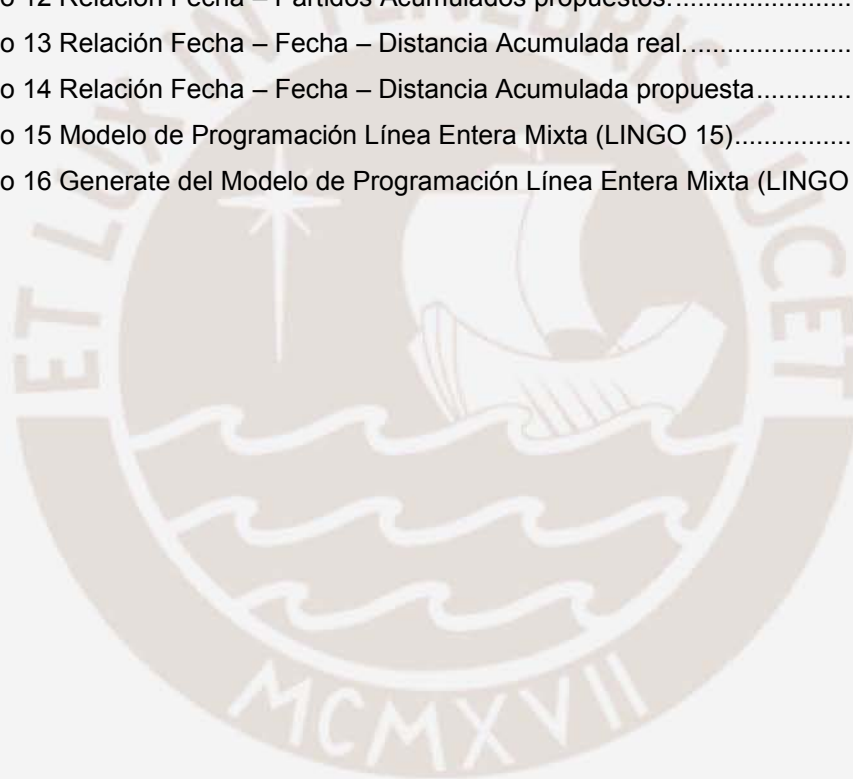


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Anexo 1 Fixture del Torneo Descentralizado 2013

<b>N°</b>	<b>Fecha</b>	<b>Local</b>	<b>Visita</b>	<b>Ciudad</b>	<b>Cat</b>
1	1	Real Garcilaso	Sport Huancayo	Cusco	1
2	1	Inti Gas	León de Huánuco	Ayacucho	2
3	1	UTC	Alianza Lima	Cajamarca	1
4	1	Melgar	Cienciano	Arequipa	3
5	1	Pacífico	Juan Aurich	Callao	1
6	1	Sporting Cristal	San Martín	Lima	2
7	1	Universitario	César Vallejo	Lima	1
8	1	Unión Comercio	José Galvez	Moyobamba	2
9	2	Cienciano	Real Garcilaso	Cusco	2
10	2	Alianza Lima	Pacífico	Lima	2
11	2	José Galvez	Inti Gas	Chimbote	1
12	2	César Vallejo	Unión Comercio	Trujillo	2
13	2	León de Huánuco	UTC	Huánuco	1
14	2	Juan Aurich	Melgar	Chiclayo	1
15	2	Sport Huancayo	Sporting Cristal	Huancayo	1
16	2	San Martín	Universitario	Callao	2
17	3	UTC	Inti Gas	Cajamarca	1
18	3	Unión Comercio	San Martín	Moyobamba	1
19	3	Melgar	Alianza Lima	Arequipa	1
20	3	José Galvez	César Vallejo	Chimbote	2
21	3	Real Garcilaso	Juan Aurich	Cusco	1
22	3	Pacífico	León de Huánuco	Callao	1
23	3	Sporting Cristal	Cienciano	Lima	1
24	3	Universitario	Sport Huancayo	Lima	1
25	4	Juan Aurich	Sporting Cristal	Chiclayo	1
26	4	San Martín	José Galvez	Callao	1
27	4	Sport Huancayo	Unión Comercio	Huancayo	1
28	4	Inti Gas	Pacífico	Ayacucho	1
29	4	UTC	César Vallejo	Cajamarca	2
30	4	León de Huánuco	Melgar	Huánuco	1
31	4	Alianza Lima	Real Garcilaso	Lima	1
32	4	Cienciano	Universitario	Cusco	1
33	5	Unión Comercio	Cienciano	Moyobamba	1
34	5	Melgar	Inti Gas	Arequipa	1
35	5	Real Garcilaso	León de Huánuco	Cusco	1
36	5	José Galvez	Sport Huancayo	Chimbote	1
37	5	César Vallejo	San Martín	Trujillo	1
38	5	Sporting Cristal	Alianza Lima	Lima	3
39	5	Pacífico	UTC	Callao	1
40	5	Universitario	Juan Aurich	Lima	1
41	6	Alianza Lima	Universitario	Lima	3

42	6	Pacífico	San Martín	Callao	2
43	6	Cienciano	José Galvez	Cusco	1
44	6	Sport Huancayo	César Vallejo	Huancayo	1
45	6	Juan Aurich	Unión Comercio	Chiclayo	2
46	6	UTC	Melgar	Cajamarca	1
47	6	Inti Gas	Real Garcilaso	Ayacucho	1
48	6	León de Huánuco	Sporting Cristal	Huánuco	1
49	7	Melgar	Pacífico	Arequipa	1
50	7	Unión Comercio	Alianza Lima	Moyobamba	1
51	7	César Vallejo	Cienciano	Trujillo	1
52	7	José Galvez	Juan Aurich	Chimbote	2
53	7	Real Garcilaso	UTC	Cusco	1
54	7	San Martín	Sport Huancayo	Callao	1
55	7	Universitario	León de Huánuco	Lima	1
56	7	Sporting Cristal	Inti Gas	Lima	1
57	8	Juan Aurich	César Vallejo	Chiclayo	2
58	8	Melgar	Unión Comercio	Arequipa	1
59	8	Alianza Lima	José Galvez	Lima	1
60	8	Cienciano	San Martín	Cusco	1
61	8	León de Huánuco	Sport Huancayo	Huánuco	2
62	8	UTC	Sporting Cristal	Cajamarca	1
63	8	Pacífico	Real Garcilaso	Callao	1
64	8	Inti Gas	Universitario	Ayacucho	1
65	9	Sport Huancayo	Cienciano	Huancayo	1
66	9	César Vallejo	Alianza Lima	Trujillo	1
67	9	Real Garcilaso	Melgar	Cusco	2
68	9	San Martín	Juan Aurich	Callao	1
69	9	Unión Comercio	Inti Gas	Moyobamba	1
70	9	Sporting Cristal	Pacífico	Lima	2
71	9	Universitario	utc	Lima	1
72	9	José Galvez	León de Huánuco	Chimbote	1
73	10	UTC	José Galvez	Cajamarca	2
74	10	León de Huánuco	César Vallejo	Huánuco	1
75	10	Alianza Lima	San Martín	Lima	2
76	10	Inti Gas	Cienciano	Ayacucho	1
77	10	Pacífico	Unión Comercio	Callao	1
78	10	Melgar	Sporting Cristal	Arequipa	1
79	10	Real Garcilaso	Universitario	Cusco	1
80	10	Juan Aurich	Sport Huancayo	Chiclayo	1
81	11	Universitario	Melgar	Lima	1
82	11	Unión Comercio	UTC	Moyobamba	2
83	11	César Vallejo	Inti Gas	Trujillo	1
84	11	San Martín	León de Huánuco	Callao	1
85	11	Sport Huancayo	Alianza Lima	Huancayo	1
86	11	José Galvez	Pacífico	Chimbote	1

87	11	Cienciano	Juan Aurich	Cusco	1
88	11	Sporting Cristal	Real Garcilaso	Lima	1
89	12	Sporting Cristal	Universitario	Lima	3
90	12	Pacífico	César Vallejo	Callao	1
91	12	Inti Gas	San Martín	Ayacucho	1
92	12	UTC	Sport Huancayo	Cajamarca	1
93	12	Real Garcilaso	Unión Comercio	Cusco	1
94	12	Alianza Lima	Cienciano	Lima	1
95	12	Melgar	José Galvez	Arequipa	1
96	12	León de Huánuco	Juan Aurich	Huánuco	1
97	13	Sport Huancayo	Inti Gas	Huancayo	2
98	13	César Vallejo	Melgar	Trujillo	1
99	13	Universitario	Pacífico	Lima	2
100	13	Unión Comercio	Sporting Cristal	Moyobamba	1
101	13	San Martín	UTC	Callao	1
102	13	José Galvez	Real Garcilaso	Chimbote	1
103	13	Cienciano	León de Huánuco	Cusco	1
104	13	Juan Aurich	Alianza Lima	Chiclayo	1
105	14	UTC	Cienciano	Cajamarca	1
106	14	León de Huánuco	Alianza Lima	Huánuco	1
107	14	Inti Gas	Juan Aurich	Ayacucho	1
108	14	Pacífico	Sport Huancayo	Callao	1
109	14	Melgar	San Martín	Arequipa	1
110	14	Sporting Cristal	José Galvez	Lima	1
111	14	Real Garcilaso	César Vallejo	Cusco	1
112	14	Universitario	Unión Comercio	Lima	1
113	15	Juan Aurich	UTC	Chiclayo	2
114	15	Cienciano	Pacífico	Cusco	1
115	15	Unión Comercio	León de Huánuco	Moyobamba	1
116	15	Alianza Lima	Inti Gas	Lima	1
117	15	San Martín	Real Garcilaso	Callao	1
118	15	César Vallejo	Sporting Cristal	Trujillo	1
119	15	Sport Huancayo	Melgar	Huancayo	1
120	15	José Galvez	Universitario	Chimbote	1
121	16	Sport Huancayo	Real Garcilaso	Huancayo	1
122	16	León de Huánuco	Inti Gas	Huánuco	2
123	16	Alianza Lima	UTC	Lima	1
124	16	Cienciano	Melgar	Cusco	3
125	16	Juan Aurich	Pacífico	Chiclayo	1
126	16	San Martín	Sporting Cristal	Callao	2
127	16	César Vallejo	Universitario	Trujillo	1
128	16	José Galvez	Unión Comercio	Chimbote	2
129	17	Real Garcilaso	Cienciano	Cusco	2
130	17	Pacífico	Alianza Lima	Callao	2
131	17	Inti Gas	José Galvez	Ayacucho	1

132	17	Unión Comercio	César Vallejo	Moyobamba	2
133	17	UTC	León de Huánuco	Cajamarca	1
134	17	Melgar	Juan Aurich	Arequipa	1
135	17	Sporting Cristal	Sport Huancayo	Lima	1
136	17	Universitario	San Martín	Lima	2
137	18	Inti Gas	UTC	Ayacucho	1
138	18	San Martín	Unión Comercio	Callao	1
139	18	Alianza Lima	Melgar	Lima	1
140	18	César Vallejo	José Galvez	Trujillo	2
141	18	Juan Aurich	Real Garcilaso	Chiclayo	1
142	18	León de Huánuco	Pacífico	Huánuco	1
143	18	Cienciano	Sporting Cristal	Cusco	1
144	18	Sport Huancayo	Universitario	Huancayo	1
145	19	Sporting Cristal	Juan Aurich	Lima	1
146	19	José Galvez	San Martín	Chimbote	1
147	19	Unión Comercio	Sport Huancayo	Moyobamba	1
148	19	Pacífico	Inti Gas	Callao	1
149	19	César Vallejo	UTC	Trujillo	2
150	19	Melgar	León de Huánuco	Arequipa	1
151	19	Real Garcilaso	Alianza Lima	Cusco	1
152	19	Universitario	Cienciano	Lima	1
153	20	Cienciano	Unión Comercio	Cusco	1
154	20	Inti Gas	Melgar	Ayacucho	1
155	20	León de Huánuco	Real Garcilaso	Huánuco	1
156	20	Sport Huancayo	José Galvez	Huancayo	1
157	20	San Martín	César Vallejo	Callao	1
158	20	Alianza Lima	Sporting Cristal	Lima	3
159	20	UTC	Pacífico	Cajamarca	1
160	20	Juan Aurich	Universitario	Chiclayo	1
161	21	Universitario	Alianza Lima	Lima	3
162	21	San Martín	Pacífico	Callao	2
163	21	José Galvez	Cienciano	Chimbote	1
164	21	César Vallejo	Sport Huancayo	Trujillo	1
165	21	Unión Comercio	Juan Aurich	Moyobamba	2
166	21	Melgar	UTC	Arequipa	1
167	21	Real Garcilaso	Inti Gas	Cusco	1
168	21	Sporting Cristal	León de Huánuco	Lima	1
169	22	Pacífico	Melgar	Callao	1
170	22	Alianza Lima	Unión Comercio	Lima	1
171	22	Cienciano	César Vallejo	Cusco	1
172	22	Juan Aurich	José Galvez	Chiclayo	2
173	22	UTC	Real Garcilaso	Cajamarca	1
174	22	Sport Huancayo	San Martín	Huancayo	1
175	22	León de Huánuco	Universitario	Huánuco	1
176	22	Inti Gas	Sporting Cristal	Ayacucho	1

177	23	César Vallejo	Juan Aurich	Trujillo	2
178	23	Unión Comercio	Melgar	Moyobamba	1
179	23	José Galvez	Alianza Lima	Chimbote	1
180	23	San Martín	Cienciano	Callao	1
181	23	Sport Huancayo	León de Huánuco	Huancayo	2
182	23	Sporting Cristal	UTC	Lima	1
183	23	Real Garcilaso	Pacífico	Cusco	1
184	23	Universitario	Inti Gas	Lima	1
185	24	Cienciano	Sport Huancayo	Cusco	1
186	24	Alianza Lima	César Vallejo	Lima	1
187	24	Melgar	Real Garcilaso	Arequipa	2
188	24	Juan Aurich	San Martín	Chiclayo	1
189	24	Inti Gas	Unión Comercio	Ayacucho	1
190	24	Pacífico	Sporting Cristal	Callao	2
191	24	UTC	Universitario	Cajamarca	1
192	24	León de Huánuco	José Galvez	Huánuco	1
193	25	José Galvez	UTC	Chimbote	2
194	25	César Vallejo	León de Huánuco	Trujillo	1
195	25	San Martín	Alianza Lima	Callao	2
196	25	Cienciano	Inti Gas	Cusco	1
197	25	Unión Comercio	Pacífico	Moyobamba	1
198	25	Sporting Cristal	Melgar	Lima	1
199	25	Universitario	Real Garcilaso	Lima	1
200	25	Sport Huancayo	Juan Aurich	Huancayo	1
201	26	Melgar	Universitario	Arequipa	1
202	26	UTC	Unión Comercio	Cajamarca	2
203	26	Inti Gas	César Vallejo	Ayacucho	1
204	26	León de Huánuco	San Martín	Huánuco	1
205	26	Alianza Lima	Sport Huancayo	Lima	1
206	26	Pacífico	José Galvez	Callao	1
207	26	Juan Aurich	Cienciano	Chiclayo	1
208	26	Real Garcilaso	Sporting Cristal	Cusco	1
209	27	Universitario	Sporting Cristal	Lima	3
210	27	César Vallejo	Pacífico	Trujillo	1
211	27	San Martín	Inti Gas	Callao	1
212	27	Sport Huancayo	UTC	Huancayo	1
213	27	Unión Comercio	Real Garcilaso	Moyobamba	1
214	27	Cienciano	Alianza Lima	Cusco	1
215	27	José Galvez	Melgar	Chimbote	1
216	27	Juan Aurich	León de Huánuco	Chiclayo	1
217	28	Inti Gas	Sport Huancayo	Ayacucho	2
218	28	Melgar	César Vallejo	Arequipa	1
219	28	Pacífico	Universitario	Callao	2
220	28	Sporting Cristal	Unión Comercio	Lima	1
221	28	UTC	San Martín	Cajamarca	1

222	28	Real Garcilaso	José Galvez	Cusco	1
223	28	León de Huánuco	Cienciano	Huánuco	1
224	28	Alianza Lima	Juan Aurich	Lima	1
225	29	Cienciano	UTC	Cusco	1
226	29	Alianza Lima	León de Huánuco	Lima	1
227	29	Juan Aurich	Inti Gas	Chiclayo	1
228	29	Sport Huancayo	Pacífico	Huancayo	1
229	29	San Martín	Melgar	Callao	1
230	29	José Gálvez	Sporting Cristal	Chimbote	1
231	29	César Vallejo	Real Garcilaso	Trujillo	1
232	29	Unión Comercio	Universitario	Moyobamba	1
233	30	UTC	Juan Aurich	Cajamarca	2
234	30	Pacífico	Cienciano	Callao	1
235	30	León de Huánuco	Unión Comercio	Huánuco	1
236	30	Inti Gas	Alianza Lima	Ayacucho	1
237	30	Real Garcilaso	San Martín	Cusco	1
238	30	Sporting Cristal	César Vallejo	Lima	1
239	30	Melgar	Sport Huancayo	Arequipa	1
240	30	Universitario	José Gálvez	Lima	1

Fuente: Asociación Peruana de Árbitros de Fútbol  
Elaboración propia



Anexo 2 Categoría de ternas arbitrales

<b>N°</b>	<b>Árbitro Principal</b>	<b>Categoría</b>
1	David Morales	C
2	Diego Haro	B
3	Eduardo Chirinos	C
4	Fernando Legario	C
5	Fredy Arellanos	C
6	Giuliano Rodríguez	C
7	Henry Gambetta	A
8	Iván Chang	C
9	José Martínez	C
10	Julio Álvarez	C
11	Luis Garay	C
12	Luis Seminario	B
13	Manuel Garay	B
14	Michael Espinoza	C
15	Miguel Ángel Santivañez	A
16	Ramón Blanco	C
17	Renzo Castañeda	C
18	Robert Rafael	C
19	Roberto Mauro	C
20	Romel López	C
21	Víctor Hugo Carrillo	A
22	Victor Hugo Rivera	B
23	Yovanny Quevedo	B

Elaboración propia



Anexo 3 Asignaciones reales del Torneo Descentralizado 2013.

N°	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
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2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
4	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
8	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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12	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
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18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
19	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
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27	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
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30	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
32	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
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34	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
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37	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
39	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

40	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
45	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
49	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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56	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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69	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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218	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
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Anexo 4 Asignaciones propuestas del Torneo Descentralizado 2013.

N°	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
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172	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
173	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
174	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
175	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

176	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
177	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
178	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
179	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
181	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
182	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
183	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
184	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
185	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
186	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
187	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
188	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
189	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
190	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
192	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
193	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
194	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
197	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
198	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
199	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
200	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
201	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
202	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
203	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
204	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
206	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
207	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
208	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
209	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
210	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
211	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
212	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
213	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
214	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
215	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
216	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
217	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
218	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
219	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
220	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0

221	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
222	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
223	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
224	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
225	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
226	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
227	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
228	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
229	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
230	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
231	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
232	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
233	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
234	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
235	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
236	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
237	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
238	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
239	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
240	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0

Elaboración propia



Anexo 5 Asignaciones reales por fecha

N°	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	0	1	1	1	1	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	1	0	0
2	1	0	0	0	0	0	1	1	0	0	1	0	1	0	1	0	0	1	0	0	0	0	1
3	0	0	1	0	1	0	1	0	0	1	0	0	1	0	0	1	0	0	0	1	1	0	0
4	0	0	1	1	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	1	0	1
5	0	1	1	0	0	0	1	1	0	0	0	1	1	0	1	0	0	1	0	0	0	0	0
6	0	0	0	1	0	0	1	1	0	0	1	0	0	0	0	1	0	0	0	1	1	0	1
7	1	0	0	0	1	0	1	1	0	0	1	1	0	0	1	0	0	0	0	0	1	0	0
8	0	0	1	1	0	0	1	1	0	1	0	0	1	1	1	0	0	0	0	0	0	0	0
9	1	0	0	0	0	1	1	0	0	0	1	1	0	1	0	0	0	1	0	0	0	0	1
10	0	0	0	0	1	1	1	0	0	1	1	0	0	0	1	1	0	0	0	1	0	0	0
11	0	0	1	1	0	0	0	1	0	0	1	0	0	0	1	0	1	1	0	0	1	0	0
12	0	0	0	1	0	0	1	1	0	1	0	1	0	1	1	0	0	0	0	0	1	0	0
13	0	1	0	0	0	0	1	1	0	0	0	0	0	1	1	0	1	0	0	1	1	0	0
14	0	1	1	0	1	0	1	0	0	1	0	1	0	0	1	0	0	0	0	0	1	0	0
15	0	0	0	1	0	0	0	1	0	1	1	0	1	1	1	0	0	0	0	1	0	0	0
16	0	0	1	1	0	0	0	0	0	0	0	1	1	1	0	0	0	1	0	0	1	0	1
17	0	1	1	0	1	0	0	0	1	1	0	0	0	0	1	0	1	0	1	0	0	0	0
18	0	1	0	0	1	0	0	0	1	0	1	1	1	0	1	0	0	0	0	1	0	0	0
19	0	1	1	1	0	1	0	0	1	0	0	0	0	1	0	1	0	0	1	0	0	0	0
20	1	0	0	1	1	0	0	0	0	0	0	1	0	1	0	0	0	0	1	1	0	0	1
21	0	0	0	0	1	0	0	1	0	1	1	0	0	0	1	1	0	1	0	1	0	0	0
22	0	0	0	0	0	1	1	0	1	0	0	1	0	0	1	0	0	0	1	1	0	0	1
23	0	0	0	0	1	1	1	1	0	1	1	1	0	0	1	0	0	0	0	0	0	0	0
24	0	0	1	1	0	0	1	1	0	0	0	0	1	0	0	1	0	1	0	0	0	0	1
25	1	0	1	0	1	0	0	0	0	1	0	1	1	0	1	0	1	0	0	0	0	0	0
26	0	0	0	0	0	0	1	1	0	0	1	0	1	1	0	0	0	1	0	1	0	1	0
27	0	0	1	1	0	0	1	0	0	0	0	0	1	0	1	0	1	0	1	0	1	0	0
28	0	1	0	0	1	0	0	0	0	0	1	0	0	1	0	0	0	1	0	1	1	0	1
29	0	1	1	0	1	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	1	0	1
30	0	1	1	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	1	1	1	0	0
<b>Total</b>	<b>5</b>	<b>10</b>	<b>15</b>	<b>12</b>	<b>14</b>	<b>5</b>	<b>16</b>	<b>13</b>	<b>4</b>	<b>10</b>	<b>15</b>	<b>13</b>	<b>13</b>	<b>11</b>	<b>20</b>	<b>6</b>	<b>5</b>	<b>9</b>	<b>7</b>	<b>12</b>	<b>14</b>	<b>1</b>	<b>10</b>

Elaboración propia

Anexo 6 Asignaciones propuestas por fecha.

N°	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	1	0	0	1	0	0	0	0	1	0	0	1	1	0	1	0	0	0	0	1	0	1	0
2	1	0	1	0	0	0	1	0	1	1	0	0	1	0	0	0	0	0	0	0	0	1	1
3	0	1	1	0	0	1	0	1	0	0	1	0	0	1	0	0	1	0	0	0	0	0	1
4	1	0	0	0	1	0	0	0	0	0	0	1	1	0	0	1	0	1	1	0	1	0	0
5	1	0	0	1	0	1	0	0	0	0	1	0	0	0	1	0	1	0	0	1	0	1	0
6	0	1	0	0	0	0	1	0	1	1	0	1	1	1	0	1	0	0	0	0	0	0	0
7	0	0	1	0	1	1	0	1	0	0	0	0	0	0	0	0	1	1	0	0	1	0	1
8	0	0	0	0	0	0	1	0	1	1	1	0	0	0	1	1	0	0	1	0	0	1	0
9	1	0	0	1	0	0	0	0	0	0	1	1	1	0	0	0	0	1	1	1	0	0	0
10	0	1	0	0	1	1	0	1	0	1	0	0	0	1	0	1	0	0	0	0	1	0	0
11	1	0	1	0	0	0	0	0	1	0	1	0	0	1	0	0	1	0	0	1	0	0	1
12	1	0	0	0	0	0	1	0	0	1	0	0	1	0	1	0	0	1	0	1	0	1	0
13	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	1	1	0	1	0	1	0	1
14	0	0	1	0	1	1	0	1	1	0	0	0	0	0	0	1	0	0	0	1	0	0	1
15	1	0	0	0	0	1	0	1	0	1	1	0	1	1	1	0	0	0	0	0	0	0	0
16	0	1	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	1	1	0	1	1	0
17	0	1	0	1	1	0	1	0	0	0	0	1	0	0	1	0	1	0	0	1	0	0	0
18	1	0	1	0	0	1	0	0	0	0	0	1	0	1	0	1	0	1	0	0	0	0	1
19	0	1	0	0	1	0	0	1	0	1	1	0	1	0	0	0	0	1	1	0	0	0	0
20	0	0	1	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	1	1	1	0
21	1	0	0	0	1	1	1	0	0	0	0	0	1	1	1	0	0	0	0	0	1	0	0
22	0	1	0	1	0	0	0	0	0	0	1	1	0	0	0	1	0	0	1	0	0	1	1
23	0	0	0	0	1	0	1	1	0	1	1	0	0	0	0	0	0	1	0	1	0	0	1
24	0	1	1	0	0	0	0	0	1	0	0	0	1	0	1	0	1	0	0	0	1	1	0
25	1	0	0	0	0	1	1	0	0	0	0	1	0	1	0	0	1	1	0	1	0	0	0
26	0	1	0	1	1	0	0	0	0	0	1	0	0	0	0	1	0	0	1	0	0	1	1
27	0	0	1	0	0	1	0	1	0	1	0	0	0	0	1	0	0	1	1	0	1	0	0
28	1	0	0	0	0	0	0	0	1	0	1	1	1	1	0	0	0	0	1	0	0	0	1
29	0	0	1	1	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	1	0	1	0
30	0	1	0	0	1	0	0	1	1	1	0	0	0	1	1	0	0	0	0	1	0	0	0
<b>Total</b>	<b>12</b>	<b>11</b>	<b>10</b>	<b>9</b>	<b>11</b>	<b>11</b>	<b>10</b>	<b>10</b>	<b>11</b>	<b>10</b>	<b>11</b>	<b>10</b>	<b>11</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>12</b>	<b>9</b>	<b>11</b>	<b>11</b>

Elaboración propia

Anexo 7 Coincidencias Terna – Equipo Reales

N° Terna	Alianza Lima	César Vallejo	Cienciano	Inti Gas	José Gálvez	Juan Aurich	León de Huánuco	Melgar	Pacífico	Real Garcilaso	San Martín	Sport Huancayo	Sporting Cristal	Unión Comercio	Universitario	UTC
1	0	1	1	0	1	0	0	1	2	0	0	2	0	2	0	0
2	2	1	0	1	3	2	0	2	1	1	1	1	0	2	2	1
3	1	2	2	1	1	2	2	4	1	3	3	2	1	1	2	2
4	1	2	2	0	2	1	1	2	1	3	2	2	2	1	1	1
5	3	3	0	3	0	3	3	2	1	2	0	2	4	0	1	1
6	0	0	0	2	1	0	1	0	1	1	0	1	0	1	0	2
7	3	1	1	3	1	1	2	2	2	2	1	3	3	2	3	2
8	2	3	1	1	1	2	1	3	1	3	1	1	0	1	3	2
9	0	0	0	1	2	1	1	0	1	0	0	1	0	1	0	0
10	2	0	2	1	2	0	2	1	2	0	2	1	2	1	1	1
11	1	3	2	2	1	3	0	1	1	2	3	3	1	2	4	1
12	2	2	0	2	1	2	2	2	2	2	1	0	2	2	2	2
13	2	3	2	0	1	2	1	1	2	1	2	1	4	0	2	2
14	2	2	1	2	2	1	2	1	1	1	2	0	1	0	1	3
15	3	3	4	3	2	3	1	3	0	3	3	2	1	3	3	3
16	0	0	1	1	0	0	2	1	1	1	0	2	1	1	1	0
17	1	1	0	0	1	0	1	0	1	2	0	0	0	2	0	1
18	0	0	3	1	3	1	1	1	1	1	2	0	1	2	0	1
19	1	0	0	1	1	0	2	0	1	1	2	2	1	2	0	0
20	1	1	2	2	0	2	1	1	2	0	2	2	2	2	2	2
21	1	2	3	2	2	2	2	1	3	1	1	1	3	1	2	1
22	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0
23	2	0	2	1	2	1	2	1	2	0	2	1	1	1	0	2

Elaboración propia

Anexo 8 Coincidencias Terna – Equipo Propuestas.

N° Terna	Alianza Lima	César Vallejo	Cienciano	Inti Gas	José Gálvez	Juan Aurich	León de Huánuco	Melgar	Pacífico	Real Garcilaso	San Martín	Sport Huancayo	Sporting Cristal	Unión Comercio	Universitario	UTC
1	1	1	1	1	2	3	2	3	1	2	2	1	1	1	1	1
2	2	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1
3	1	1	3	1	1	1	1	2	1	1	1	2	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	2
5	1	3	3	1	1	1	2	1	1	1	1	1	1	1	1	2
6	1	1	1	2	1	1	1	2	2	2	1	2	2	1	1	1
7	2	1	2	1	1	1	2	1	1	1	1	1	1	1	2	1
8	1	1	1	1	1	2	1	1	2	1	1	1	1	2	1	2
9	1	3	1	2	1	2	1	1	3	1	1	1	1	1	1	1
10	1	1	1	1	3	1	2	1	2	1	1	1	1	1	1	1
11	1	1	1	2	2	1	1	1	1	2	2	1	2	2	1	1
12	1	1	1	1	3	1	1	1	1	1	2	1	1	2	1	1
13	1	2	1	1	1	2	1	1	3	1	1	1	1	2	1	2
14	1	1	1	1	1	1	1	1	1	2	1	2	2	1	1	2
15	2	1	1	1	1	1	1	2	1	1	1	1	2	1	2	1
16	1	1	2	1	1	1	1	1	1	2	1	2	1	1	2	1
17	1	2	1	3	1	1	1	1	1	1	1	1	1	1	2	1
18	1	1	1	1	1	2	2	1	1	2	1	1	1	1	1	2
19	1	1	2	1	1	1	1	2	1	1	1	2	1	1	1	2
20	2	2	1	2	1	1	1	1	1	1	2	2	1	3	2	1
21	2	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1
22	2	1	1	2	1	2	1	2	1	1	2	1	1	1	2	1
23	2	1	1	1	2	1	3	1	1	1	1	1	2	1	2	1

Elaboración propia



Anexo 9 Distancia real recorrida por fecha por terna

N° Fecha	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	0	2726	2018	2210	1086	0	0	0	0	0	0	1722	0	0	0	0	0	0	0	0	0	0	0
2	1122	0	0	0	0	0	0	2210	0	0	0	0	820	0	1540	0	0	860	0	0	0	0	596
3	0	0	1722	0	2018	0	2210	0	0	0	0	0	860	0	0	0	0	0	0	2726	0	0	0
4	0	0	1722	0	1540	0	0	0	0	0	596	820	2210	0	0	0	0	0	0	0	0	0	1086
5	0	0	860	0	0	0	2018	1122	0	0	0	0	0	0	2210	0	0	2726	0	0	0	0	0
6	0	0	0	1722	0	0	0	1540	0	0	1086	0	0	0	0	820	0	0	0	596	0	0	2210
7	2018	0	0	0	0	0	1122	2210	0	0	860	2726	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	1540	0	0	820	1086	0	2018	0	0	2210	1722	0	0	0	0	0	0	0	0	0
9	596	0	0	0	0	2726	0	0	0	0	1122	0	0	860	0	0	0	2210	0	0	0	0	0
10	0	0	0	0	820	1722	2018	0	0	0	1540	0	0	0	2210	0	0	0	0	1086	0	0	0
11	0	0	0	0	0	0	0	596	0	0	0	0	0	0	2210	0	2726	860	0	0	1122	0	0
12	0	0	0	0	0	0	2210	820	0	1722	0	2018	0	0	1086	0	0	0	0	0	0	0	0
13	0	1540	0	0	0	0	596	1122	0	0	0	0	0	0	2726	0	860	0	0	0	2210	0	0
14	0	0	2018	0	0	0	820	0	0	0	0	2210	0	0	1722	0	0	0	0	0	1086	0	0
15	0	0	0	2726	0	0	0	860	0	2210	0	0	1122	0	596	0	0	0	0	1540	0	0	0
16	0	0	1122	596	0	0	0	0	0	0	0	820	1540	2210	0	0	0	0	0	0	860	0	0
17	0	2018	2210	0	1722	0	0	0	1086	0	0	0	0	0	2726	0	0	0	0	0	0	0	0
18	0	1122	0	0	1540	0	0	0	820	0	596	0	0	0	1086	0	0	0	0	2210	0	0	0
19	0	2210	0	0	0	0	0	0	2726	0	0	0	0	1122	0	2018	0	0	860	0	0	0	0
20	596	0	0	0	0	0	0	0	0	0	0	1722	0	1540	0	0	0	0	820	1086	0	0	2210
21	0	0	0	0	1122	0	0	2018	0	0	2726	0	0	0	0	2210	0	860	0	0	0	0	0
22	0	0	0	0	0	1722	596	0	1540	0	0	1086	0	0	2210	0	0	0	0	820	0	0	0
23	0	0	0	0	0	596	0	2210	0	860	0	1122	0	0	2726	0	0	0	0	0	0	0	0

<b>24</b>	0	0	2018	0	0	0	1086	0	0	0	0	0	1722	0	0	2210	0	1540	0	0	0	0	820
<b>25</b>	2726	0	0	0	0	0	0	0	0	2210	0	0	596	0	860	0	1122	0	0	0	0	0	0
<b>26</b>	0	0	0	0	0	0	0	2018	0	0	1086	0	2210	820	0	0	0	1722	0	0	0	1540	0
<b>27</b>	0	0	1540	860	0	0	0	0	0	0	0	0	1122	0	2210	0	2726	0	0	0	596	0	0
<b>28</b>	0	1086	0	0	0	0	0	0	0	0	0	0	0	2210	0	0	0	820	0	0	2018	0	1722
<b>29</b>	0	0	2726	0	1122	0	0	0	0	0	2210	0	0	0	1540	0	0	0	596	0	860	0	0
<b>30</b>	0	0	2018	0	0	0	0	0	0	0	0	0	0	1086	2210	0	0	0	820	1722	0	0	0
<b>Total</b>	<b>7058</b>	<b>10702</b>	<b>19974</b>	<b>9654</b>	<b>10970</b>	<b>6766</b>	<b>13496</b>	<b>17812</b>	<b>6172</b>	<b>9020</b>	<b>11822</b>	<b>14246</b>	<b>14412</b>	<b>11570</b>	<b>29868</b>	<b>7258</b>	<b>7434</b>	<b>11598</b>	<b>3096</b>	<b>11786</b>	<b>8752</b>	<b>1540</b>	<b>8644</b>

Elaboración propia



Anexo 10 Distancia propuesta recorrida por fecha por terna.

N° Fecha	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	0	0	0	1722	0	0	0	0	0	0	0	2726	1086	0	2018	0	0	0	0	2210	0	0	0
2	860	0	820	0	0	0	2210	0	596	1540	0	0	1122	0	0	0	0	0	0	0	0	0	0
3	0	860	0	0	0	1722	0	2210	0	0	2726	0	0	0	0	0	0	0	0	0	0	0	2018
4	820	0	0	0	0	0	0	0	0	0	0	1722	0	0	0	2210	0	1540	1086	0	596	0	0
5	860	0	0	2210	0	1122	0	0	0	0	0	0	0	0	0	0	0	0	0	2726	0	2018	0
6	0	1540	0	0	0	0	0	0	1086	820	0	2210	0	1722	0	596	0	0	0	0	0	0	0
7	0	0	2018	0	2726	0	0	0	0	0	0	0	0	0	0	0	0	2210	0	0	1122	0	860
8	0	0	0	0	0	0	820	0	2210	0	1722	0	0	0	0	1086	0	0	2018	0	0	1540	0
9	0	0	0	2726	0	0	0	0	0	0	860	2210	0	0	0	0	0	0	0	596	1122	0	0
10	0	0	0	0	820	1540	0	0	0	1086	0	0	0	2210	0	2018	0	0	0	0	1722	0	0
11	0	0	2210	0	0	0	0	0	860	0	0	0	0	596	0	0	1122	0	0	0	0	0	2726
12	2210	0	0	0	0	0	1086	0	0	0	0	0	2018	0	0	0	0	820	0	1722	0	0	0
13	0	596	0	0	0	0	0	0	0	0	0	2726	0	0	0	860	1122	0	2210	0	1540	0	0
14	0	0	2018	0	2210	0	0	1722	1086	0	0	0	0	0	0	0	0	0	0	0	0	0	820
15	0	0	0	0	0	2210	0	860	0	2726	0	0	1540	1122	596	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	2210	0	1540	0	0	0	0	0	0	0	0	596	1122	0	820	860	0
17	0	2210	0	0	1722	0	0	0	0	0	0	0	0	0	2726	0	1086	0	0	2018	0	0	0
18	2210	0	596	0	0	0	0	0	0	0	0	820	0	1086	0	1540	0	0	0	0	0	0	1122
19	0	2210	0	0	0	0	0	0	0	860	2726	0	1122	0	0	0	0	2018	0	0	0	0	0
20	0	0	596	1540	1086	0	0	0	1722	0	0	0	0	0	0	0	2210	0	0	0	0	820	0
21	2018	0	0	0	1122	2210	0	0	0	0	0	0	2726	860	0	0	0	0	0	0	0	0	0

<b>22</b>	0	820	0	2210	0	0	0	0	0	0	0	1540	0	0	0	0	0	0	1722	0	0	596	1086
<b>23</b>	0	0	0	0	0	0	1122	2726	0	2210	0	0	0	0	0	0	0	860	0	0	0	0	596
<b>24</b>	0	0	1086	0	0	0	0	0	0	0	0	0	2210	0	820	0	1540	0	0	0	2018	1722	0
<b>25</b>	1122	0	0	0	0	0	860	0	0	0	0	0	0	596	0	0	0	2210	0	2726	0	0	0
<b>26</b>	0	1722	0	0	1540	0	0	0	0	0	1086	0	0	0	0	820	0	0	0	0	0	2018	2210
<b>27</b>	0	0	2210	0	0	2726	0	1540	0	596	0	0	0	0	0	0	0	1122	860	0	0	0	0
<b>28</b>	0	0	0	0	0	0	0	0	2018	0	2210	1086	0	0	0	0	0	1722	0	0	0	0	820
<b>29</b>	0	0	1122	0	0	596	2726	0	0	0	0	0	0	0	0	2210	0	0	0	860	0	1540	0
<b>30</b>	0	2018	0	0	0	0	0	0	820	0	0	0	0	0	2210	1722	0	0	0	1086	0	0	0
<b>Total</b>	<b>10101</b>	<b>11978</b>	<b>12679</b>	<b>10412</b>	<b>11231</b>	<b>12132</b>	<b>11041</b>	<b>9066</b>	<b>11947</b>	<b>9848</b>	<b>11341</b>	<b>15052</b>	<b>11837</b>	<b>10416</b>	<b>7897</b>	<b>11356</b>	<b>7097</b>	<b>11394</b>	<b>11355</b>	<b>14490</b>	<b>7839</b>	<b>11136</b>	<b>12281</b>

Elaboración propia



Anexo 11 Relación Fecha – Partidos Acumulados reales

N° Fecha	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	0	1	1	1	1	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	1	0	0
2	1	1	1	1	1	0	1	1	0	0	1	1	2	0	2	0	0	1	0	0	1	0	1
3	1	1	2	1	2	0	2	1	0	1	1	1	3	0	2	1	0	1	0	1	2	0	1
4	1	1	3	2	3	0	2	1	0	1	2	2	4	0	2	1	0	1	0	1	3	0	2
5	1	2	4	2	3	0	3	2	0	1	2	3	5	0	3	1	0	2	0	1	3	0	2
6	1	2	4	3	3	0	4	3	0	1	3	3	5	0	3	2	0	2	0	2	4	0	3
7	2	2	4	3	4	0	5	4	0	1	4	4	5	0	4	2	0	2	0	2	5	0	3
8	2	2	5	4	4	0	6	5	0	2	4	4	6	1	5	2	0	2	0	2	5	0	3
9	3	2	5	4	4	1	7	5	0	2	5	5	6	2	5	2	0	3	0	2	5	0	4
10	3	2	5	4	5	2	8	5	0	3	6	5	6	2	6	3	0	3	0	3	5	0	4
11	3	2	6	5	5	2	8	6	0	3	7	5	6	2	7	3	1	4	0	3	6	0	4
12	3	2	6	6	5	2	9	7	0	4	7	6	6	3	8	3	1	4	0	3	7	0	4
13	3	3	6	6	5	2	10	8	0	4	7	6	6	4	9	3	2	4	0	4	8	0	4
14	3	4	7	6	6	2	11	8	0	5	7	7	6	4	10	3	2	4	0	4	9	0	4
15	3	4	7	7	6	2	11	9	0	6	8	7	7	5	11	3	2	4	0	5	9	0	4
16	3	4	8	8	6	2	11	9	0	6	8	8	8	6	11	3	2	5	0	5	10	0	5
17	3	5	9	8	7	2	11	9	1	7	8	8	8	6	12	3	3	5	1	5	10	0	5
18	3	6	9	8	8	2	11	9	2	7	9	9	9	6	13	3	3	5	1	6	10	0	5
19	3	7	10	9	8	3	11	9	3	7	9	9	9	7	13	4	3	5	2	6	10	0	5
20	4	7	10	10	9	3	11	9	3	7	9	10	9	8	13	4	3	5	3	7	10	0	6
21	4	7	10	10	10	3	11	10	3	8	10	10	9	8	14	5	3	6	3	8	10	0	6

<b>22</b>	4	7	10	10	10	4	12	10	4	8	10	11	9	8	15	5	3	6	4	9	10	0	7
<b>23</b>	4	7	10	10	11	5	13	11	4	9	11	12	9	8	16	5	3	6	4	9	10	0	7
<b>24</b>	4	7	11	11	11	5	14	12	4	9	11	12	10	8	16	6	3	7	4	9	10	0	8
<b>25</b>	5	7	12	11	12	5	14	12	4	10	11	13	11	8	17	6	4	7	4	9	10	0	8
<b>26</b>	5	7	12	11	12	5	15	13	4	10	12	13	12	9	17	6	4	8	4	10	10	1	8
<b>27</b>	5	7	13	12	12	5	16	13	4	10	12	13	13	9	18	6	5	8	5	10	11	1	8
<b>28</b>	5	8	13	12	13	5	16	13	4	10	13	13	13	10	18	6	5	9	5	11	12	1	9
<b>29</b>	5	9	14	12	14	5	16	13	4	10	14	13	13	10	19	6	5	9	6	11	13	1	10
<b>30</b>	5	10	15	12	14	5	16	13	4	10	15	13	13	11	20	6	5	9	7	12	14	1	10
<b>Pendiente</b>	<b>0.156</b>	<b>0.304</b>	<b>0.441</b>	<b>0.426</b>	<b>0.445</b>	<b>0.21</b>	<b>0.531</b>	<b>0.461</b>	<b>0.189</b>	<b>0.401</b>	<b>0.457</b>	<b>0.467</b>	<b>0.364</b>	<b>0.416</b>	<b>0.676</b>	<b>0.211</b>	<b>0.198</b>	<b>0.289</b>	<b>0.228</b>	<b>0.415</b>	<b>0.389</b>	<b>0.028</b>	<b>0.296</b>

Elaboración propia

Anexo 12 Relación Fecha – Partidos Acumulados propuestos.

N° Fecha	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	1	0	0	1	0	0	0	0	1	0	0	1	1	0	1	0	0	0	0	1	0	1	0
2	2	0	1	1	0	0	1	0	2	1	0	1	2	0	1	0	0	0	0	1	0	2	1
3	2	1	2	1	0	1	1	1	2	1	1	1	2	1	1	0	1	0	0	1	0	2	2
4	3	1	2	1	1	1	1	1	2	1	1	2	3	1	1	1	1	1	1	1	1	2	2
5	4	1	2	2	1	2	1	1	2	1	2	2	3	1	2	1	2	1	1	2	1	3	2
6	4	2	2	2	1	2	2	1	3	2	2	3	4	2	2	2	2	1	1	2	1	3	2
7	4	2	3	2	2	3	2	2	3	2	2	3	4	2	2	2	3	2	1	2	2	3	3
8	4	2	3	2	2	3	3	2	4	3	3	3	4	2	3	3	3	2	2	2	2	4	3
9	5	2	3	3	2	3	3	2	4	3	4	4	5	2	3	3	3	3	3	3	2	4	3
10	5	3	3	3	3	4	3	3	4	4	4	4	5	3	3	4	3	3	3	3	3	4	3
11	6	3	4	3	3	4	3	3	5	4	5	4	5	4	3	4	4	3	3	4	3	4	4
12	7	3	4	3	3	4	4	3	5	5	5	4	6	4	4	4	4	4	3	5	3	5	4
13	7	4	4	4	3	4	4	3	5	5	5	5	6	4	4	5	5	4	4	5	4	5	5
14	7	4	5	4	4	5	4	4	6	5	5	5	6	4	4	6	5	4	4	6	4	5	6
15	8	4	5	4	4	6	4	5	6	6	6	5	7	5	5	6	5	4	4	6	4	5	6
16	8	5	5	4	4	6	5	6	7	6	6	5	7	5	5	6	5	5	5	6	5	6	6
17	8	6	5	5	5	6	6	6	7	6	6	6	7	5	6	6	6	5	5	7	5	6	6
18	9	6	6	5	5	7	6	6	7	6	6	7	7	6	6	7	6	6	5	7	5	6	7
19	9	7	6	5	6	7	6	7	7	7	7	7	8	6	6	7	6	7	6	7	5	6	7
20	9	7	7	6	7	7	6	7	8	7	7	7	8	6	6	7	7	7	6	8	6	7	7
21	10	7	7	6	8	8	7	7	8	7	7	7	9	7	7	7	7	7	6	8	7	7	7
22	10	8	7	7	8	8	7	7	8	7	8	8	9	7	7	8	7	7	7	8	7	8	8

<b>23</b>	10	8	7	7	9	8	8	8	8	8	9	8	9	7	7	8	7	8	7	9	7	8	9
<b>24</b>	10	9	8	7	9	8	8	8	9	8	9	8	10	7	8	8	8	8	7	9	8	9	9
<b>25</b>	11	9	8	7	9	9	9	8	9	8	9	9	10	8	8	8	9	9	7	10	8	9	9
<b>26</b>	11	10	8	8	10	9	9	8	9	8	10	9	10	8	8	9	9	9	8	10	8	10	10
<b>27</b>	11	10	9	8	10	10	9	9	9	9	10	9	10	8	9	9	9	10	9	10	9	10	10
<b>28</b>	12	10	9	8	10	10	9	9	10	9	11	10	11	9	9	9	9	10	10	10	9	10	11
<b>29</b>	12	10	10	9	10	11	10	9	10	9	11	10	11	9	9	10	10	10	10	11	9	11	11
<b>30</b>	12	11	10	9	11	11	10	10	11	10	11	10	11	10	10	10	10	10	10	12	9	11	11
<b>Pendiente</b>	0.371	0.390	0.312	0.289	0.404	0.370	0.345	0.352	0.321	0.325	0.380	0.324	0.334	0.327	0.315	0.352	0.337	0.377	0.350	0.389	0.340	0.327	0.369

Elaboración propia



Anexo 13 Relación Fecha – Fecha – Distancia Acumulada real.

N° Fecha	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	0	2726	2018	2210	1086	0	0	0	0	0	0	1722	0	0	0	0	0	0	0	0	0	0	0
2	1122	2726	2018	2210	1086	0	0	2210	0	0	0	1722	820	0	1540	0	0	860	0	0	0	0	596
3	1122	2726	3740	2210	3104	0	2210	2210	0	0	0	1722	1680	0	1540	0	0	860	0	2726	0	0	596
4	1122	2726	5462	2210	4644	0	2210	2210	0	0	596	2542	3890	0	1540	0	0	860	0	2726	0	0	1682
5	1122	2726	6322	2210	4644	0	4228	3332	0	0	596	2542	3890	0	3750	0	0	3586	0	2726	0	0	1682
6	1122	2726	6322	3932	4644	0	4228	4872	0	0	1682	2542	3890	0	3750	820	0	3586	0	3322	0	0	3892
7	3140	2726	6322	3932	4644	0	5350	7082	0	0	2542	5268	3890	0	3750	820	0	3586	0	3322	0	0	3892
8	3140	2726	6322	5472	4644	0	6170	8168	0	2018	2542	5268	6100	1722	3750	820	0	3586	0	3322	0	0	3892
9	3736	2726	6322	5472	4644	2726	6170	8168	0	2018	3664	5268	6100	2582	3750	820	0	5796	0	3322	0	0	3892
10	3736	2726	6322	5472	5464	4448	8188	8168	0	2018	5204	5268	6100	2582	5960	820	0	5796	0	4408	0	0	3892
11	3736	2726	6322	5472	5464	4448	8188	8764	0	2018	5204	5268	6100	2582	8170	820	2726	6656	0	4408	1122	0	3892
12	3736	2726	6322	5472	5464	4448	10398	9584	0	3740	5204	7286	6100	2582	9256	820	2726	6656	0	4408	1122	0	3892
13	3736	4266	6322	5472	5464	4448	10994	10706	0	3740	5204	7286	6100	2582	11982	820	3586	6656	0	4408	3332	0	3892
14	3736	4266	8340	5472	5464	4448	11814	10706	0	3740	5204	9496	6100	2582	13704	820	3586	6656	0	4408	4418	0	3892
15	3736	4266	8340	8198	5464	4448	11814	11566	0	5950	5204	9496	7222	2582	14300	820	3586	6656	0	5948	4418	0	3892
16	3736	4266	9462	8794	5464	4448	11814	11566	0	5950	5204	10316	8762	4792	14300	820	3586	6656	0	5948	5278	0	3892
17	3736	6284	11672	8794	7186	4448	11814	11566	1086	5950	5204	10316	8762	4792	17026	820	3586	6656	0	5948	5278	0	3892
18	3736	7406	11672	8794	8726	4448	11814	11566	1906	5950	5800	10316	8762	4792	18112	820	3586	6656	0	8158	5278	0	3892
19	3736	9616	11672	8794	8726	4448	11814	11566	4632	5950	5800	10316	8762	5914	18112	2838	3586	6656	860	8158	5278	0	3892
20	4332	9616	11672	8794	8726	4448	11814	11566	4632	5950	5800	12038	8762	7454	18112	2838	3586	6656	1680	9244	5278	0	6102
21	4332	9616	11672	8794	9848	4448	11814	13584	4632	5950	8526	12038	8762	7454	18112	5048	3586	7516	1680	9244	5278	0	6102

<b>22</b>	4332	9616	11672	8794	9848	6170	12410	13584	6172	5950	8526	13124	8762	7454	20322	5048	3586	7516	1680	10064	5278	0	6102
<b>23</b>	4332	9616	11672	8794	9848	6766	12410	15794	6172	6810	8526	14246	8762	7454	23048	5048	3586	7516	1680	10064	5278	0	6102
<b>24</b>	4332	9616	13690	8794	9848	6766	13496	15794	6172	6810	8526	14246	10484	7454	23048	7258	3586	9056	1680	10064	5278	0	6922
<b>25</b>	7058	9616	13690	8794	9848	6766	13496	15794	6172	9020	8526	14246	11080	7454	23908	7258	4708	9056	1680	10064	5278	0	6922
<b>26</b>	7058	9616	13690	8794	9848	6766	13496	17812	6172	9020	9612	14246	13290	8274	23908	7258	4708	10778	1680	10064	5278	1540	6922
<b>27</b>	7058	9616	15230	9654	9848	6766	13496	17812	6172	9020	9612	14246	14412	8274	26118	7258	7434	10778	1680	10064	5874	1540	6922
<b>28</b>	7058	10702	15230	9654	9848	6766	13496	17812	6172	9020	9612	14246	14412	10484	26118	7258	7434	11598	1680	10064	7892	1540	8644
<b>29</b>	7058	10702	17956	9654	10970	6766	13496	17812	6172	9020	11822	14246	14412	10484	27658	7258	7434	11598	2276	10064	8752	1540	8644
<b>30</b>	7058	10702	19974	9654	10970	6766	13496	17812	6172	9020	11822	14246	14412	11570	29868	7258	7434	11598	3096	11786	8752	1540	8644
<b>Pendiente</b>	<b>214</b>	<b>359</b>	<b>505</b>	<b>302</b>	<b>325</b>	<b>273</b>	<b>474</b>	<b>596</b>	<b>278</b>	<b>360</b>	<b>383</b>	<b>520</b>	<b>442</b>	<b>391</b>	<b>1034</b>	<b>286</b>	<b>255</b>	<b>355</b>	<b>88</b>	<b>380</b>	<b>305</b>	<b>40</b>	<b>252</b>

Elaboración propia



Anexo 14 Relación Fecha – Fecha – Distancia Acumulada propuesta

N° Fecha	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	0	0	0	1722	0	0	0	0	0	0	0	2726	1086	0	2018	0	0	0	0	2210	0	0	0
2	860	0	820	1722	0	0	2210	0	596	1540	0	2726	2208	0	2018	0	0	0	0	2210	0	0	0
3	860	860	820	1722	0	1722	2210	2210	596	1540	2726	2726	2208	0	2018	0	0	0	0	2210	0	0	2018
4	1680	860	820	1722	0	1722	2210	2210	596	1540	2726	4448	2208	0	2018	2210	0	1540	1086	2210	596	0	2018
5	2540	860	820	3932	0	2844	2210	2210	596	1540	2726	4448	2208	0	2018	2210	0	1540	1086	4936	596	2018	2018
6	2540	2400	820	3932	0	2844	2210	2210	1682	2360	2726	6658	2208	1722	2018	2806	0	1540	1086	4936	596	2018	2018
7	2540	2400	2838	3932	2726	2844	2210	2210	1682	2360	2726	6658	2208	1722	2018	2806	0	3750	1086	4936	1718	2018	2878
8	2540	2400	2838	3932	2726	2844	3030	2210	3892	2360	4448	6658	2208	1722	2018	3892	0	3750	3104	4936	1718	3558	2878
9	2540	2400	2838	6658	2726	2844	3030	2210	3892	2360	5308	8868	2208	1722	2018	3892	0	3750	3700	6058	1718	3558	2878
10	2540	2400	2838	6658	3546	4384	3030	2210	3892	3446	5308	8868	2208	3932	2018	5910	0	3750	3700	6058	3440	3558	2878
11	2540	2400	5048	6658	3546	4384	3030	2210	4752	3446	5308	8868	2208	4528	2018	5910	1122	3750	3700	6058	3440	3558	5604
12	4750	2400	5048	6658	3546	4384	4116	2210	4752	3446	5308	8868	4226	4528	2018	5910	1122	4570	3700	7780	3440	3558	5604
13	4750	2996	5048	6658	3546	4384	4116	2210	4752	3446	5308	11594	4226	4528	2018	6770	2244	4570	5910	7780	4980	3558	5604
14	4750	2996	7066	6658	5756	4384	4116	3932	5838	3446	5308	11594	4226	4528	2018	6770	2244	4570	5910	7780	4980	3558	6424
15	4750	2996	7066	6658	5756	6594	4116	4792	5838	6172	5308	11594	5766	5650	2614	6770	2244	4570	5910	7780	4980	3558	6424
16	4750	2996	7066	6658	5756	6594	6326	4792	7378	6172	5308	11594	5766	5650	2614	6770	2244	5166	7032	7780	5800	4418	6424
17	4750	5206	7066	6658	7478	6594	6326	4792	7378	6172	5308	11594	5766	5650	5340	6770	3330	5166	7032	9798	5800	4418	6424
18	6960	5206	7662	6658	7478	6594	6326	4792	7378	6172	5308	12414	5766	6736	5340	8310	3330	5166	7032	9798	5800	4418	7546
19	6960	7416	7662	6658	7478	6594	6326	4792	7378	7032	8034	12414	6888	6736	5340	8310	3330	7184	7032	9798	5800	4418	7546
20	6960	7416	8258	8198	8564	6594	6326	4792	9100	7032	8034	12414	6888	6736	5340	8310	5540	7184	7032	9798	5800	5238	7546
21	8978	7416	8258	8198	9686	8804	6326	4792	9100	7032	8034	12414	9614	7596	5340	8310	5540	7184	7032	9798	5800	5238	7546
22	8978	8236	8258	10408	9686	8804	6326	4792	9100	7032	8034	13954	9614	7596	5340	8310	5540	7184	8754	9798	5800	5834	8632

<b>23</b>	8978	8236	8258	10408	9686	8804	7448	7518	9100	9242	8034	13954	9614	7596	5340	8310	5540	8044	8754	9798	5800	5834	9228
<b>24</b>	8978	8236	9344	10408	9686	8804	7448	7518	9100	9242	8034	13954	11824	7596	6160	8310	7080	8044	8754	9798	7818	7556	9228
<b>25</b>	10100	8236	9344	10408	9686	8804	8308	7518	9100	9242	8034	13954	11824	8192	6160	8310	7080	10254	8754	12524	7818	7556	9228
<b>26</b>	10100	9958	9344	10408	11226	8804	8308	7518	9100	9242	9120	13954	11824	8192	6160	9130	7080	10254	8754	12524	7818	9574	11438
<b>27</b>	10100	9958	11554	10408	11226	11530	8308	9058	9100	9838	9120	13954	11824	8192	6160	9130	7080	11376	9614	12524	7818	9574	11438
<b>28</b>	10100	9958	11554	10408	11226	11530	8308	9058	11118	9838	11330	15040	11824	8192	6160	9130	7080	11376	11336	12524	7818	9574	12258
<b>29</b>	10100	9958	12676	10408	11226	12126	11034	9058	11118	9838	11330	15040	11824	8192	6160	11340	7080	11376	11336	13384	7818	11114	12258
<b>30</b>	10100	11976	12676	10408	11226	12126	11034	9058	11938	9838	11330	15040	11824	10402	7882	11340	7080	11376	11336	14470	7818	11114	12258
<b>Pendiente</b>	<b>377</b>	<b>394</b>	<b>429</b>	<b>322</b>	<b>460</b>	<b>391</b>	<b>310</b>	<b>297</b>	<b>404</b>	<b>356</b>	<b>330</b>	<b>435</b>	<b>432</b>	<b>348</b>	<b>206</b>	<b>348</b>	<b>316</b>	<b>394</b>	<b>401</b>	<b>393</b>	<b>306</b>	<b>345</b>	<b>415</b>

Elaboración propia



## Anexo 15 Modelo de Programación Línea Entera Mixta (LINGO 15)

MODEL:

DATA:

NTA=23;  
NE=16;  
NF=30;  
NP=240;  
DD=2;  
SS=4;  
NN=2;

ENDDATA

SETS:

!sets primitivos;

Terna/1..NTA/:CatTA, PagaLTA, PagaPTA, MinpTA, MaxpTA, DMaxTA, DMinTA, PagaTotal;

Equipo/1..NE/;;

Fecha/1..NF/;;

Partido/1..NP/:CatP, DistP, LimP, ProvP;

ContadorN/1..NN/;;

ContadorS/1..SS/;;

ContadorD/1..DD/;;

!sets derivados;

LlavePP(Partido, Partido):;

TAE(terna, equipo):MaxTAE, MinTAE;

TAP(terna, partido):X; !SAT, NAT;

TAEF(terna, equipo, fecha):;

TAF(terna, fecha):;

TAPP(terna, partido, partido):;

PF(partido, fecha):PartFec;

PE(partido, equipo):EQP;

PContN(partido, ContadorN):;

PContS(partido, ContadorS):;

PContD(partido, ContadorD):;

!TATA(terna, terna):Dif;

ENDSETS

DATA:

DistP=

1105	543	861	1009	0	0	0	1363	1105	0	430	561
	410	770	298	0	861	1363	1009	430	1105	0	0
	0	770	0	298	543	861	410	0	1105	1363	1009
	1105	430	561	0	0	0	0	0	1105	298	770
	861	543	410	1009	1363	561	430	1105	0	0	0
	770	1009	0	1105	410	861	0	543	298	561	1105
	0	1363	0	0	430	861	410	0	543	0	1009
	1105	770	0	1363	561	0	298	430	1105	0	0
	0	543	861	1105	0	1009	410	298	561	0	1363
	0	430	1105	770	861	410	543	0	1009	0	1105
	0	770	1105	1363	0	0	561	298	430	298	410

0	1105	770	0	561	430	1105	0	543	1363	861
1009	0	0	543	0	0	561	770	410	1105	298
0	430	1363	0	561	1009	1105	0	1105	543	410
298	0	0	861	770	0	0	430	561	1363	1009
1105	0	0	0	1105	770	861	298	410	543	561
1363	430	0	298	0	1105	0	1105	0	1009	770
543	0	861	410	430	561	0	1105	1363	0	0
298	1009	861	543	410	0	0	770	1105	0	561
0	298	1363	1105	430	770	543	1009	0	0	861
1105	410	0	1105	0	770	298	0	430	561	1363
861	0	410	543	1105	0	1009	0;			

CatP=

1	2	1	3	1	2	1	2	2	2	1	2
	1	1	1	2	1	1	1	2	1	1	1
	1	1	1	1	1	2	1	1	1	1	1
	1	1	1	3	1	1	3	2	1	1	2
	1	1	1	1	1	1	2	1	1	1	1
	2	1	1	1	2	1	1	1	1	1	2
	1	1	2	1	1	2	1	2	1	1	1
	1	1	1	2	1	1	1	1	1	1	3
	1	1	1	1	1	1	1	2	1	2	1
	1	1	1	1	1	1	1	1	1	1	1
	1	2	1	1	1	1	1	1	1	1	2
	1	3	1	2	1	2	2	2	1	2	1
	1	1	2	1	1	1	2	1	1	1	1
	1	1	1	1	2	1	1	1	1	1	1
	1	1	3	1	1	3	2	1	1	2	1
	1	1	1	1	1	2	1	1	1	1	2
	1	1	1	2	1	1	1	1	1	2	1
	1	2	1	1	2	1	2	1	1	1	1
	1	1	2	1	1	1	1	1	3	1	1
	1	1	1	1	1	1	2	1	2	1	1
	1	1	1	1	1	1	1	1	1	1	1
	2	1	1	1	1	1	1	1;			

LimP=0

0	0	0	0	1	1	1	0	0	1	0
0	0	0	0	1	0	0	0	0	0	1
1	1	0	1	0	0	0	0	1	0	0
0	0	0	0	1	1	1	1	1	0	0
0	0	0	0	0	0	0	0	0	1	1
1	0	0	1	0	0	0	1	0	0	0
0	1	0	1	1	0	0	0	1	0	1
0	0	0	1	0	0	1	0	0	0	1
1	1	0	0	0	1	0	0	0	0	1
0	1	0	0	0	0	0	0	1	0	1
0	1	0	0	0	0	1	0	0	0	0
0	0	1	1	0	1	1	0	0	0	0
0	1	0	0	1	0	0	0	1	0	0
0	0	1	1	0	0	1	1	0	0	0
0	0	1	1	1	0	0	0	0	0	0
0	0	0	1	0	1	0	1	0	1	0
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1	0	0	0	0	0	1	1	0	0	1
0	1	0	0	0	0	0	0	0	1	1
0	0	0	1	0	0	1	0	1	0	0
0	0	1	0	0	0	1	0	1;		

ProvP=1	1	1	1	0	0	0	1	1	0	1
1	1	1	1	0	1	1	1	1	1	0
0	0	1	0	1	1	1	1	0	1	1
1	1	1	1	0	0	0	0	0	1	1
1	1	1	1	1	1	1	1	1	0	0
0	1	1	0	1	1	1	0	1	1	1
1	0	1	0	0	1	1	1	0	1	0
1	1	1	0	1	1	0	1	1	1	0
0	0	1	1	1	0	1	1	1	1	0
1	0	1	1	1	1	1	1	0	1	0
1	0	1	1	1	0	0	1	1	1	1
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1	1	0	0	1	0	0	1	1	1	1
1	0	1	1	0	1	1	1	0	1	1
1	1	0	0	1	1	0	0	1	1	1
1	1	0	0	0	1	1	1	1	1	1
1	1	1	0	1	0	1	0	1	0	1
1	1	0	1	1	1	1	0	1	1	0
0	1	1	1	1	1	0	0	1	1	0
1	0	1	1	1	1	1	1	1	0	0
1	1	1	0	1	0	1	1	0	1	1
1	1	0	1	1	1	0	1	0;		

CatTA=1	2	1	1	1	1	3	1	1	1	1
2	2	1	3	1	1	1	1	1	3	2
2;										

!ESP=12;  
!N=2;  
MaxTAE=3;  
MinTAE=1;  
!MetaTA=10;  
!S=2;  
!D=2;  
KM=3000; !cambio;

PagaLTA=											
4300	4600	4300	4300	4300	4300	5800	4300	4300	4300	4300	4600
	4600	4300	5800	4300	4300	4300	4300	4300	5800	4600	4600;
PagaPTA=											
7000	7300	7000	7000	7000	7000	8500	7000	7000	7000	7000	7300
	7300	7000	8500	7000	7000	7000	7000	7000	8500	7300	7300;

MinpTA=8;  
MaxpTA=13;  
DMaxTA=15250;  
DMinTA=6750;

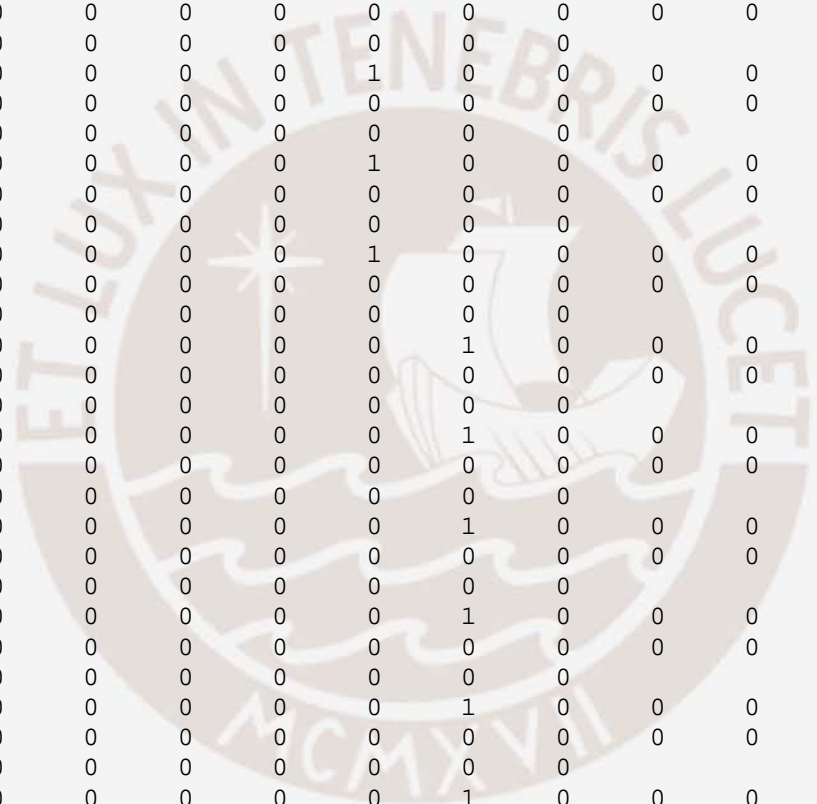
PartFec=											
1	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0				



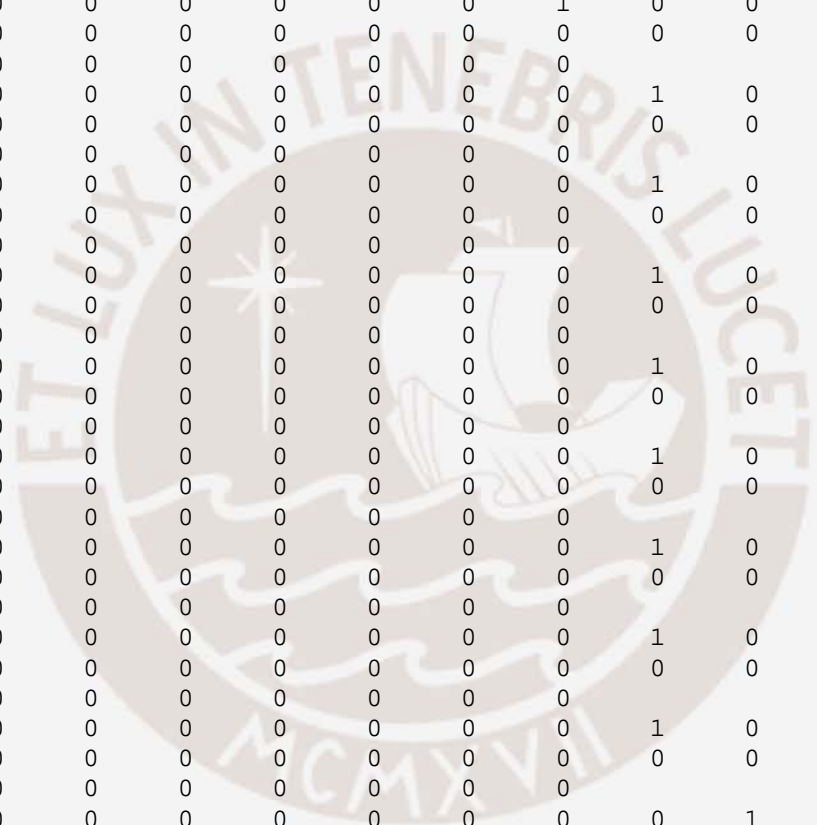




0	0	0	0	1	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	1	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	1	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
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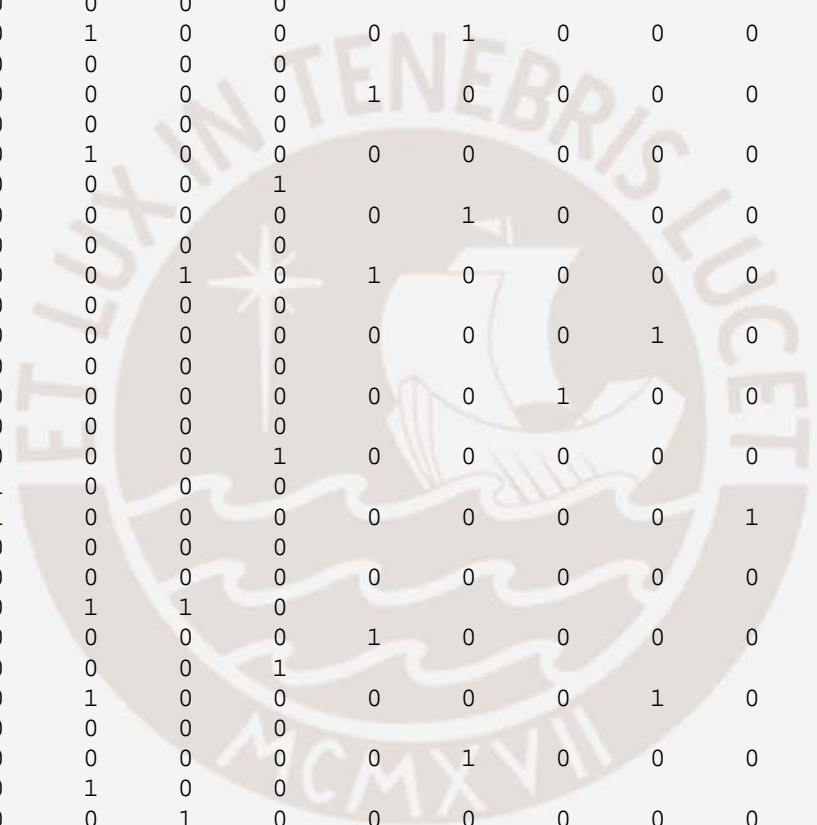
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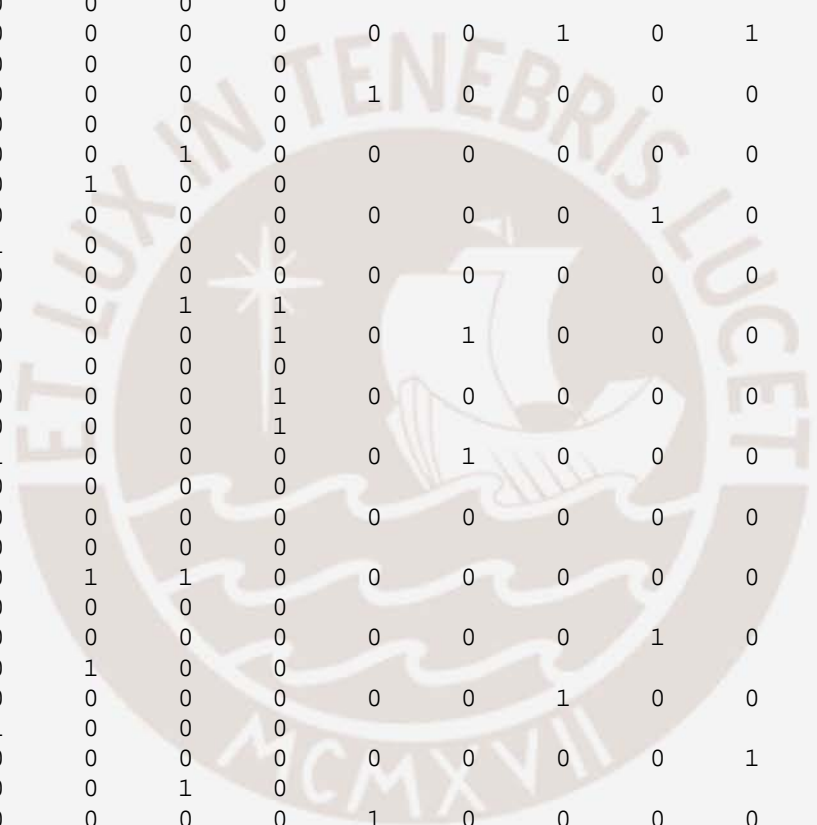




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0	0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0	1
0	0	0	1	0	0	1	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	1
0	0	0	0	0	0	0	0	0	0	0	1
0	0	1	0	0	0	0	0	1	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0	0
0	0	0	0	1	0	0	1	0	0	0	0
0	0	0	0	0	0	1	1	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0

1	0	0	0	0	0	0	0	0	1	0	0
0	0	1	0	0	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0	0
0	0	1	0	0	0	0	0	0	0	0	0
0	0	0	1	0	0	1	0	0	0	0	0
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0	0	0	0	0	1	0	0	0	0	0	1
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0	0	0	0	1	0	0	0	1	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0
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0	0	1	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	1	1	0	0	0	0	0
0	0	0	0	0	0	0	0	0	1	0	0
0	0	0	0	1	0	0	0	0	0	1	1
0	0	0	0	0	0	0	1	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0	0
0	1	0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	0	0	0	1	0	0	0
0	0	1	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	1	0	0	0
0	0	1	0	0	0	0	0	0	0	0	0

1	0	0	0	1	0	0	0	0	0	0	0
0	0	1	0	0	0	0	0	0	0	1	0
0	0	0	0	0	0	1	0	0	0	0	1
0	0	0	0	0	0	0	0	0	0	0	0
0	1	0	0	1	0	0	0	1	1	0	0
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0	0	0	0	0	1	0	0	0	0	1	0
0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0	0
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0	0	1	1	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	1	0	0	0
0	0	1	0	0	0	0	0	1	0	0	0
0	1	0	0	0	0	0	0	0	1	0	0
0	0	0	1	0	0	0	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	0	0	0	0	1	0	0
0	0	0	0	0	1	0	0	0	0	0	1
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0	0	0	0	0	0	1	0	0	0	1	0
1	0	0	0	0	0	0	0	0	0	0	1
0	0	0	0	0	1	0	0	1	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0



0	0	1	0	0	1	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	1	0	0
0	1	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	1	0	0
0	0	0	0	0	0	0	0	0	0	1	0
0	0	0	0	0	0	0	0	0	0	0	1
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0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	0	0	0	0	0	0	0	0	0
0	0	0	0	0	1	0	0	1	0	0	0
0	0	0	0	0	0	1	1	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	1
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0	0	0	0	0	0	0	0	1	0	0	0
0	0	0	1	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	1	0	0	0
0	0	0	0	0	1	0	0	0	1	0	0
0	0	0	0	0	0	0	1	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
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0	0	1	0	0	0	0	0	0	0	1	0
0	1	0	0	0	0	0	0	0	1	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	1	1	0	1	0	0	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	1	0	0	0
0	0	1	0	0	0	0	0	1	0	0	0
0	0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	1	0	0	0	0	0	0	1	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	1	1	0	1	0	0	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	1	0	0	0
0	0	1	0	0	0	0	0	0	1	0	0
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0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	1	0	0	0	0	0	1	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	1	0	0	0	0	0	1	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	1	0	0	0	0	0
	0	1	0	0							
1	0	0	1	0	0	0	0	0	0	0	0
	0	0	0	0							
0	0	0	0	0	0	0	0	0	1	1	0
	0	0	0	0							
0	1	0	0	0	0	0	0	0	0	0	0
	1	0	0	0							
0	0	0	0	0	0	0	1	0	0	0	1
	0	0	0	0							
0	0	0	0	1	0	0	0	0	0	0	0
	0	0	1	0;							

ENDDATA

```

!función objetivo;
!variable dist por revisar (se podria usar variable @max);

MIN= @sum(Terna(I):PagaTotal(I));

!Restricciones;

!Restricción 1: Cada partido requiere solo de una terna;
@for(partido(J):@sum(TAP(I,J):X(I,J))=1);

!Restricción 2: Cada terna solo puede dirigir a lo más un partido por
fecha;
@for(TAF(I,K):@sum(Partido(J):PartFec(J,K)*X(I,J))<=1);

!Restricción 3: Cada terna debe de ser asignada a una cantidad mayor al
mínimo;
@for(terna(I):@sum(TAP(I,J):X(I,J))>=MinpTA(I));

!Restricción 4: Cada terna debe de ser asignada a una cantidad menor al
máximo;
@for(terna(I):@sum(TAP(I,J):X(I,J))<=MaxpTA(I));

!Restricción 5 Cada terna tiene Km minimos para recorre;
@for(terna(I):@sum(Partido(J):DistP(J)*2*X(I,J))>=DMinTA(I));

!Restricción 6 Cada terna tiene Km maximos para recorre;
@for(terna(I):@sum(Partido(J):DistP(J)*2*X(I,J))<=DMaxTA(I));

!Restricción 5: Coincidencias mínimas Terna vs equipo;
@for(TAE(I,K):@sum(partido(J):EQP(J,K)*X(I,J))>=MinTAE(I,K));

```

!Restricción 6: Coincidencias máximas terna vs equipo;

@for(TAE(I,K):@sum(partido(J):EQP(J,K)\*X(I,J))<=MaxTAE(I,K));

!Restricción 8: Paga total;

@for(terna(I):@sum(partido(J):X(I,J)\*PagaLTA(I)\*LimP(J)+X(I,J)\*ProvP(J)\*PagaPTA(I))=PagaTotal(I));

!Restricción 9: Categoría de partido vs categoría de arbitro::

@for(TAP(I,J):X(I,J)\*CatP(J)<=CatTA(I));

!Restricción 10: en N partidos una terna a lo más debe de dirigir una vez a un mismo equipo;

@for(TAEF(I,K,L)|L#LE#(NF-NN+1):@sum(PContN(J,N):EQP(J,K)\*PartFec(J,L+N-1)\*X(I,J))<=1);

!Restricción 11: En SS partidos como máximo una terna podrá estar sin dirigir;

@for(TAF(I,L)|L#LE#(NF-SS+1):@sum(PContS(J,S):PartFec(J,L+S-1)\*X(I,J))>=1);

!Restricción 12: En DD fechas una terna no debe de superar los KM kilometros;

@for(TAF(I,L)|L#LE#(NF-DD+1):@sum(PContD(J,D):PartFec(J,L+D-1)\*2\*DistP(J)\*X(I,J))<=KM);

!Restricción 13: Una terna no debe ser asignada a los 2 partidos de una llave;

@For(TAPP(I,J,K)|J#EQ#1#AND#K#EQ#121:X(I,J)+X(I,K)<=1);  
@For(TAPP(I,J,K)|J#EQ#2#AND#K#EQ#122:X(I,J)+X(I,K)<=1);  
@For(TAPP(I,J,K)|J#EQ#3#AND#K#EQ#123:X(I,J)+X(I,K)<=1);  
@For(TAPP(I,J,K)|J#EQ#4#AND#K#EQ#124:X(I,J)+X(I,K)<=1);  
@For(TAPP(I,J,K)|J#EQ#5#AND#K#EQ#125:X(I,J)+X(I,K)<=1);  
@For(TAPP(I,J,K)|J#EQ#6#AND#K#EQ#126:X(I,J)+X(I,K)<=1);  
@For(TAPP(I,J,K)|J#EQ#7#AND#K#EQ#127:X(I,J)+X(I,K)<=1);  
@For(TAPP(I,J,K)|J#EQ#8#AND#K#EQ#128:X(I,J)+X(I,K)<=1);  
@For(TAPP(I,J,K)|J#EQ#9#AND#K#EQ#129:X(I,J)+X(I,K)<=1);  
@For(TAPP(I,J,K)|J#EQ#10#AND#K#EQ#130:X(I,J)+X(I,K)<=1);  
@For(TAPP(I,J,K)|J#EQ#11#AND#K#EQ#131:X(I,J)+X(I,K)<=1);  
@For(TAPP(I,J,K)|J#EQ#12#AND#K#EQ#132:X(I,J)+X(I,K)<=1);  
@For(TAPP(I,J,K)|J#EQ#13#AND#K#EQ#133:X(I,J)+X(I,K)<=1);  
@For(TAPP(I,J,K)|J#EQ#14#AND#K#EQ#134:X(I,J)+X(I,K)<=1);







## Anexo 16 Generate del Modelo de Programación Línea Entera Mixta (LINGO 15)

MODEL:

```

[_1] MIN= PAGATOTAL_1 + PAGATOTAL_2 + PAGATOTAL_3 + PAGATOTAL_4 +
PAGATOTAL_5 +
  PAGATOTAL_6 + PAGATOTAL_7 + PAGATOTAL_8 + PAGATOTAL_9 + PAGATOTAL_10
+
  PAGATOTAL_11 + PAGATOTAL_12 + PAGATOTAL_13 + PAGATOTAL_14 +
PAGATOTAL_15 +
  PAGATOTAL_16 + PAGATOTAL_17 + PAGATOTAL_18 + PAGATOTAL_19 +
PAGATOTAL_20 +
  PAGATOTAL_21 + PAGATOTAL_22 + PAGATOTAL_23;
[_2] X_1_1 + X_2_1 + X_3_1 + X_4_1 + X_5_1 + X_6_1 + X_7_1 + X_8_1 +
X_9_1 + X_10_1
  + X_11_1 + X_12_1 + X_13_1 + X_14_1 + X_15_1 + X_16_1 + X_17_1 +
X_18_1 + X_19_1 +
  X_20_1 + X_21_1 + X_22_1 + X_23_1 = 1;
[_3] X_1_2 + X_2_2 + X_3_2 + X_4_2 + X_5_2 + X_6_2 + X_7_2 + X_8_2 +
X_9_2 + X_10_2
  + X_11_2 + X_12_2 + X_13_2 + X_14_2 + X_15_2 + X_16_2 + X_17_2 +
X_18_2 + X_19_2 +
  X_20_2 + X_21_2 + X_22_2 + X_23_2 = 1;
[_4] X_1_3 + X_2_3 + X_3_3 + X_4_3 + X_5_3 + X_6_3 + X_7_3 + X_8_3 +
X_9_3 + X_10_3
  + X_11_3 + X_12_3 + X_13_3 + X_14_3 + X_15_3 + X_16_3 + X_17_3 +
X_18_3 + X_19_3 +
  X_20_3 + X_21_3 + X_22_3 + X_23_3 = 1;
[_5] X_1_4 + X_2_4 + X_3_4 + X_4_4 + X_5_4 + X_6_4 + X_7_4 + X_8_4 +
X_9_4 + X_10_4
  + X_11_4 + X_12_4 + X_13_4 + X_14_4 + X_15_4 + X_16_4 + X_17_4 +
X_18_4 + X_19_4 +
  X_20_4 + X_21_4 + X_22_4 + X_23_4 = 1;
[_6] X_1_5 + X_2_5 + X_3_5 + X_4_5 + X_5_5 + X_6_5 + X_7_5 + X_8_5 +
X_9_5 + X_10_5
  + X_11_5 + X_12_5 + X_13_5 + X_14_5 + X_15_5 + X_16_5 + X_17_5 +
X_18_5 + X_19_5 +
  X_20_5 + X_21_5 + X_22_5 + X_23_5 = 1;
[_7] X_1_6 + X_2_6 + X_3_6 + X_4_6 + X_5_6 + X_6_6 + X_7_6 + X_8_6 +
X_9_6 + X_10_6
  + X_11_6 + X_12_6 + X_13_6 + X_14_6 + X_15_6 + X_16_6 + X_17_6 +
X_18_6 + X_19_6 +
  X_20_6 + X_21_6 + X_22_6 + X_23_6 = 1;
[_8] X_1_7 + X_2_7 + X_3_7 + X_4_7 + X_5_7 + X_6_7 + X_7_7 + X_8_7 +
X_9_7 + X_10_7
  + X_11_7 + X_12_7 + X_13_7 + X_14_7 + X_15_7 + X_16_7 + X_17_7 +
X_18_7 + X_19_7 +
  X_20_7 + X_21_7 + X_22_7 + X_23_7 = 1;
[_9] X_1_8 + X_2_8 + X_3_8 + X_4_8 + X_5_8 + X_6_8 + X_7_8 + X_8_8 +
X_9_8 + X_10_8
  + X_11_8 + X_12_8 + X_13_8 + X_14_8 + X_15_8 + X_16_8 + X_17_8 +
X_18_8 + X_19_8 +
  X_20_8 + X_21_8 + X_22_8 + X_23_8 = 1;
[_10] X_1_9 + X_2_9 + X_3_9 + X_4_9 + X_5_9 + X_6_9 + X_7_9 + X_8_9 +
X_9_9 +

```

$$\begin{aligned}
& X_{10\_9} + X_{11\_9} + X_{12\_9} + X_{13\_9} + X_{14\_9} + X_{15\_9} + X_{16\_9} + X_{17\_9} \\
& + X_{18\_9} + \\
& X_{19\_9} + X_{20\_9} + X_{21\_9} + X_{22\_9} + X_{23\_9} = 1; \\
[_{11}] & X_{1\_10} + X_{2\_10} + X_{3\_10} + X_{4\_10} + X_{5\_10} + X_{6\_10} + X_{7\_10} + \\
& X_{8\_10} + \\
& X_{9\_10} + X_{10\_10} + X_{11\_10} + X_{12\_10} + X_{13\_10} + X_{14\_10} + X_{15\_10} + \\
& X_{16\_10} + \\
& X_{17\_10} + X_{18\_10} + X_{19\_10} + X_{20\_10} + X_{21\_10} + X_{22\_10} + X_{23\_10} = \\
& 1; \\
[_{12}] & X_{1\_11} + X_{2\_11} + X_{3\_11} + X_{4\_11} + X_{5\_11} + X_{6\_11} + X_{7\_11} + \\
& X_{8\_11} + \\
& X_{9\_11} + X_{10\_11} + X_{11\_11} + X_{12\_11} + X_{13\_11} + X_{14\_11} + X_{15\_11} + \\
& X_{16\_11} + \\
& X_{17\_11} + X_{18\_11} + X_{19\_11} + X_{20\_11} + X_{21\_11} + X_{22\_11} + X_{23\_11} = \\
& 1; \\
[_{13}] & X_{1\_12} + X_{2\_12} + X_{3\_12} + X_{4\_12} + X_{5\_12} + X_{6\_12} + X_{7\_12} + \\
& X_{8\_12} + \\
& X_{9\_12} + X_{10\_12} + X_{11\_12} + X_{12\_12} + X_{13\_12} + X_{14\_12} + X_{15\_12} + \\
& X_{16\_12} + \\
& X_{17\_12} + X_{18\_12} + X_{19\_12} + X_{20\_12} + X_{21\_12} + X_{22\_12} + X_{23\_12} = \\
& 1; \\
[_{14}] & X_{1\_13} + X_{2\_13} + X_{3\_13} + X_{4\_13} + X_{5\_13} + X_{6\_13} + X_{7\_13} + \\
& X_{8\_13} + \\
& X_{9\_13} + X_{10\_13} + X_{11\_13} + X_{12\_13} + X_{13\_13} + X_{14\_13} + X_{15\_13} + \\
& X_{16\_13} + \\
& X_{17\_13} + X_{18\_13} + X_{19\_13} + X_{20\_13} + X_{21\_13} + X_{22\_13} + X_{23\_13} = \\
& 1; \\
[_{15}] & X_{1\_14} + X_{2\_14} + X_{3\_14} + X_{4\_14} + X_{5\_14} + X_{6\_14} + X_{7\_14} + \\
& X_{8\_14} + \\
& X_{9\_14} + X_{10\_14} + X_{11\_14} + X_{12\_14} + X_{13\_14} + X_{14\_14} + X_{15\_14} + \\
& X_{16\_14} + \\
& X_{17\_14} + X_{18\_14} + X_{19\_14} + X_{20\_14} + X_{21\_14} + X_{22\_14} + X_{23\_14} = \\
& 1; \\
[_{16}] & X_{1\_15} + X_{2\_15} + X_{3\_15} + X_{4\_15} + X_{5\_15} + X_{6\_15} + X_{7\_15} + \\
& X_{8\_15} + \\
& X_{9\_15} + X_{10\_15} + X_{11\_15} + X_{12\_15} + X_{13\_15} + X_{14\_15} + X_{15\_15} + \\
& X_{16\_15} + \\
& X_{17\_15} + X_{18\_15} + X_{19\_15} + X_{20\_15} + X_{21\_15} + X_{22\_15} + X_{23\_15} = \\
& 1; \\
[_{17}] & X_{1\_16} + X_{2\_16} + X_{3\_16} + X_{4\_16} + X_{5\_16} + X_{6\_16} + X_{7\_16} + \\
& X_{8\_16} + \\
& X_{9\_16} + X_{10\_16} + X_{11\_16} + X_{12\_16} + X_{13\_16} + X_{14\_16} + X_{15\_16} + \\
& X_{16\_16} + \\
& X_{17\_16} + X_{18\_16} + X_{19\_16} + X_{20\_16} + X_{21\_16} + X_{22\_16} + X_{23\_16} = \\
& 1; \\
[_{18}] & X_{1\_17} + X_{2\_17} + X_{3\_17} + X_{4\_17} + X_{5\_17} + X_{6\_17} + X_{7\_17} + \\
& X_{8\_17} + \\
& X_{9\_17} + X_{10\_17} + X_{11\_17} + X_{12\_17} + X_{13\_17} + X_{14\_17} + X_{15\_17} + \\
& X_{16\_17} + \\
& X_{17\_17} + X_{18\_17} + X_{19\_17} + X_{20\_17} + X_{21\_17} + X_{22\_17} + X_{23\_17} = \\
& 1; \\
[_{19}] & X_{1\_18} + X_{2\_18} + X_{3\_18} + X_{4\_18} + X_{5\_18} + X_{6\_18} + X_{7\_18} + \\
& X_{8\_18} + \\
& X_{9\_18} + X_{10\_18} + X_{11\_18} + X_{12\_18} + X_{13\_18} + X_{14\_18} + X_{15\_18} + \\
& X_{16\_18} + \\
& X_{17\_18} + X_{18\_18} + X_{19\_18} + X_{20\_18} + X_{21\_18} + X_{22\_18} + X_{23\_18} = \\
& 1;
\end{aligned}$$

$$\begin{aligned}
&[_{20}] X_{1\_19} + X_{2\_19} + X_{3\_19} + X_{4\_19} + X_{5\_19} + X_{6\_19} + X_{7\_19} + \\
&X_{8\_19} + \\
&X_{9\_19} + X_{10\_19} + X_{11\_19} + X_{12\_19} + X_{13\_19} + X_{14\_19} + X_{15\_19} + \\
&X_{16\_19} + \\
&X_{17\_19} + X_{18\_19} + X_{19\_19} + X_{20\_19} + X_{21\_19} + X_{22\_19} + X_{23\_19} = \\
&1;
\end{aligned}$$

$$\begin{aligned}
&[_{21}] X_{1\_20} + X_{2\_20} + X_{3\_20} + X_{4\_20} + X_{5\_20} + X_{6\_20} + X_{7\_20} + \\
&X_{8\_20} + \\
&X_{9\_20} + X_{10\_20} + X_{11\_20} + X_{12\_20} + X_{13\_20} + X_{14\_20} + X_{15\_20} + \\
&X_{16\_20} + \\
&X_{17\_20} + X_{18\_20} + X_{19\_20} + X_{20\_20} + X_{21\_20} + X_{22\_20} + X_{23\_20} = \\
&1;
\end{aligned}$$

$$\begin{aligned}
&[_{22}] X_{1\_21} + X_{2\_21} + X_{3\_21} + X_{4\_21} + X_{5\_21} + X_{6\_21} + X_{7\_21} + \\
&X_{8\_21} + \\
&X_{9\_21} + X_{10\_21} + X_{11\_21} + X_{12\_21} + X_{13\_21} + X_{14\_21} + X_{15\_21} + \\
&X_{16\_21} + \\
&X_{17\_21} + X_{18\_21} + X_{19\_21} + X_{20\_21} + X_{21\_21} + X_{22\_21} + X_{23\_21} = \\
&1;
\end{aligned}$$

$$\begin{aligned}
&[_{23}] X_{1\_22} + X_{2\_22} + X_{3\_22} + X_{4\_22} + X_{5\_22} + X_{6\_22} + X_{7\_22} + \\
&X_{8\_22} + \\
&X_{9\_22} + X_{10\_22} + X_{11\_22} + X_{12\_22} + X_{13\_22} + X_{14\_22} + X_{15\_22} + \\
&X_{16\_22} + \\
&X_{17\_22} + X_{18\_22} + X_{19\_22} + X_{20\_22} + X_{21\_22} + X_{22\_22} + X_{23\_22} = \\
&1;
\end{aligned}$$

$$\begin{aligned}
&[_{24}] X_{1\_23} + X_{2\_23} + X_{3\_23} + X_{4\_23} + X_{5\_23} + X_{6\_23} + X_{7\_23} + \\
&X_{8\_23} + \\
&X_{9\_23} + X_{10\_23} + X_{11\_23} + X_{12\_23} + X_{13\_23} + X_{14\_23} + X_{15\_23} + \\
&X_{16\_23} + \\
&X_{17\_23} + X_{18\_23} + X_{19\_23} + X_{20\_23} + X_{21\_23} + X_{22\_23} + X_{23\_23} = \\
&1;
\end{aligned}$$

$$\begin{aligned}
&[_{25}] X_{1\_24} + X_{2\_24} + X_{3\_24} + X_{4\_24} + X_{5\_24} + X_{6\_24} + X_{7\_24} + \\
&X_{8\_24} + \\
&X_{9\_24} + X_{10\_24} + X_{11\_24} + X_{12\_24} + X_{13\_24} + X_{14\_24} + X_{15\_24} + \\
&X_{16\_24} + \\
&X_{17\_24} + X_{18\_24} + X_{19\_24} + X_{20\_24} + X_{21\_24} + X_{22\_24} + X_{23\_24} = \\
&1;
\end{aligned}$$

$$\begin{aligned}
&[_{26}] X_{1\_25} + X_{2\_25} + X_{3\_25} + X_{4\_25} + X_{5\_25} + X_{6\_25} + X_{7\_25} + \\
&X_{8\_25} + \\
&X_{9\_25} + X_{10\_25} + X_{11\_25} + X_{12\_25} + X_{13\_25} + X_{14\_25} + X_{15\_25} + \\
&X_{16\_25} + \\
&X_{17\_25} + X_{18\_25} + X_{19\_25} + X_{20\_25} + X_{21\_25} + X_{22\_25} + X_{23\_25} = \\
&1;
\end{aligned}$$

$$\begin{aligned}
&[_{27}] X_{1\_26} + X_{2\_26} + X_{3\_26} + X_{4\_26} + X_{5\_26} + X_{6\_26} + X_{7\_26} + \\
&X_{8\_26} + \\
&X_{9\_26} + X_{10\_26} + X_{11\_26} + X_{12\_26} + X_{13\_26} + X_{14\_26} + X_{15\_26} + \\
&X_{16\_26} + \\
&X_{17\_26} + X_{18\_26} + X_{19\_26} + X_{20\_26} + X_{21\_26} + X_{22\_26} + X_{23\_26} = \\
&1;
\end{aligned}$$

$$\begin{aligned}
&[_{28}] X_{1\_27} + X_{2\_27} + X_{3\_27} + X_{4\_27} + X_{5\_27} + X_{6\_27} + X_{7\_27} + \\
&X_{8\_27} + \\
&X_{9\_27} + X_{10\_27} + X_{11\_27} + X_{12\_27} + X_{13\_27} + X_{14\_27} + X_{15\_27} + \\
&X_{16\_27} + \\
&X_{17\_27} + X_{18\_27} + X_{19\_27} + X_{20\_27} + X_{21\_27} + X_{22\_27} + X_{23\_27} = \\
&1;
\end{aligned}$$

$$\begin{aligned}
&[_{29}] X_{1\_28} + X_{2\_28} + X_{3\_28} + X_{4\_28} + X_{5\_28} + X_{6\_28} + X_{7\_28} + \\
&X_{8\_28} +
\end{aligned}$$

$$\begin{aligned}
& X_{9\_28} + X_{10\_28} + X_{11\_28} + X_{12\_28} + X_{13\_28} + X_{14\_28} + X_{15\_28} + \\
& X_{16\_28} + \\
& X_{17\_28} + X_{18\_28} + X_{19\_28} + X_{20\_28} + X_{21\_28} + X_{22\_28} + X_{23\_28} = \\
& 1; \\
& [_{30}] X_{1\_29} + X_{2\_29} + X_{3\_29} + X_{4\_29} + X_{5\_29} + X_{6\_29} + X_{7\_29} + \\
& X_{8\_29} + \\
& X_{9\_29} + X_{10\_29} + X_{11\_29} + X_{12\_29} + X_{13\_29} + X_{14\_29} + X_{15\_29} + \\
& X_{16\_29} + \\
& X_{17\_29} + X_{18\_29} + X_{19\_29} + X_{20\_29} + X_{21\_29} + X_{22\_29} + X_{23\_29} = \\
& 1; \\
& [_{31}] X_{1\_30} + X_{2\_30} + X_{3\_30} + X_{4\_30} + X_{5\_30} + X_{6\_30} + X_{7\_30} + \\
& X_{8\_30} + \\
& X_{9\_30} + X_{10\_30} + X_{11\_30} + X_{12\_30} + X_{13\_30} + X_{14\_30} + X_{15\_30} + \\
& X_{16\_30} + \\
& X_{17\_30} + X_{18\_30} + X_{19\_30} + X_{20\_30} + X_{21\_30} + X_{22\_30} + X_{23\_30} = \\
& 1; \\
& [_{32}] X_{1\_31} + X_{2\_31} + X_{3\_31} + X_{4\_31} + X_{5\_31} + X_{6\_31} + X_{7\_31} + \\
& X_{8\_31} + \\
& X_{9\_31} + X_{10\_31} + X_{11\_31} + X_{12\_31} + X_{13\_31} + X_{14\_31} + X_{15\_31} + \\
& X_{16\_31} + \\
& X_{17\_31} + X_{18\_31} + X_{19\_31} + X_{20\_31} + X_{21\_31} + X_{22\_31} + X_{23\_31} = \\
& 1; \\
& [_{33}] X_{1\_32} + X_{2\_32} + X_{3\_32} + X_{4\_32} + X_{5\_32} + X_{6\_32} + X_{7\_32} + \\
& X_{8\_32} + \\
& X_{9\_32} + X_{10\_32} + X_{11\_32} + X_{12\_32} + X_{13\_32} + X_{14\_32} + X_{15\_32} + \\
& X_{16\_32} + \\
& X_{17\_32} + X_{18\_32} + X_{19\_32} + X_{20\_32} + X_{21\_32} + X_{22\_32} + X_{23\_32} = \\
& 1; \\
& [_{34}] X_{1\_33} + X_{2\_33} + X_{3\_33} + X_{4\_33} + X_{5\_33} + X_{6\_33} + X_{7\_33} + \\
& X_{8\_33} + \\
& X_{9\_33} + X_{10\_33} + X_{11\_33} + X_{12\_33} + X_{13\_33} + X_{14\_33} + X_{15\_33} + \\
& X_{16\_33} + \\
& X_{17\_33} + X_{18\_33} + X_{19\_33} + X_{20\_33} + X_{21\_33} + X_{22\_33} + X_{23\_33} = \\
& 1; \\
& [_{35}] X_{1\_34} + X_{2\_34} + X_{3\_34} + X_{4\_34} + X_{5\_34} + X_{6\_34} + X_{7\_34} + \\
& X_{8\_34} + \\
& X_{9\_34} + X_{10\_34} + X_{11\_34} + X_{12\_34} + X_{13\_34} + X_{14\_34} + X_{15\_34} + \\
& X_{16\_34} + \\
& X_{17\_34} + X_{18\_34} + X_{19\_34} + X_{20\_34} + X_{21\_34} + X_{22\_34} + X_{23\_34} = \\
& 1; \\
& [_{36}] X_{1\_35} + X_{2\_35} + X_{3\_35} + X_{4\_35} + X_{5\_35} + X_{6\_35} + X_{7\_35} + \\
& X_{8\_35} + \\
& X_{9\_35} + X_{10\_35} + X_{11\_35} + X_{12\_35} + X_{13\_35} + X_{14\_35} + X_{15\_35} + \\
& X_{16\_35} + \\
& X_{17\_35} + X_{18\_35} + X_{19\_35} + X_{20\_35} + X_{21\_35} + X_{22\_35} + X_{23\_35} = \\
& 1; \\
& [_{37}] X_{1\_36} + X_{2\_36} + X_{3\_36} + X_{4\_36} + X_{5\_36} + X_{6\_36} + X_{7\_36} + \\
& X_{8\_36} + \\
& X_{9\_36} + X_{10\_36} + X_{11\_36} + X_{12\_36} + X_{13\_36} + X_{14\_36} + X_{15\_36} + \\
& X_{16\_36} + \\
& X_{17\_36} + X_{18\_36} + X_{19\_36} + X_{20\_36} + X_{21\_36} + X_{22\_36} + X_{23\_36} = \\
& 1; \\
& [_{38}] X_{1\_37} + X_{2\_37} + X_{3\_37} + X_{4\_37} + X_{5\_37} + X_{6\_37} + X_{7\_37} + \\
& X_{8\_37} + \\
& X_{9\_37} + X_{10\_37} + X_{11\_37} + X_{12\_37} + X_{13\_37} + X_{14\_37} + X_{15\_37} + \\
& X_{16\_37} +
\end{aligned}$$

$$\begin{aligned}
& X_{17\_37} + X_{18\_37} + X_{19\_37} + X_{20\_37} + X_{21\_37} + X_{22\_37} + X_{23\_37} = \\
& 1; \\
& [_{39}] X_{1\_38} + X_{2\_38} + X_{3\_38} + X_{4\_38} + X_{5\_38} + X_{6\_38} + X_{7\_38} + \\
& X_{8\_38} + \\
& X_{9\_38} + X_{10\_38} + X_{11\_38} + X_{12\_38} + X_{13\_38} + X_{14\_38} + X_{15\_38} + \\
& X_{16\_38} + \\
& X_{17\_38} + X_{18\_38} + X_{19\_38} + X_{20\_38} + X_{21\_38} + X_{22\_38} + X_{23\_38} = \\
& 1; \\
& [_{40}] X_{1\_39} + X_{2\_39} + X_{3\_39} + X_{4\_39} + X_{5\_39} + X_{6\_39} + X_{7\_39} + \\
& X_{8\_39} + \\
& X_{9\_39} + X_{10\_39} + X_{11\_39} + X_{12\_39} + X_{13\_39} + X_{14\_39} + X_{15\_39} + \\
& X_{16\_39} + \\
& X_{17\_39} + X_{18\_39} + X_{19\_39} + X_{20\_39} + X_{21\_39} + X_{22\_39} + X_{23\_39} = \\
& 1; \\
& [_{41}] X_{1\_40} + X_{2\_40} + X_{3\_40} + X_{4\_40} + X_{5\_40} + X_{6\_40} + X_{7\_40} + \\
& X_{8\_40} + \\
& X_{9\_40} + X_{10\_40} + X_{11\_40} + X_{12\_40} + X_{13\_40} + X_{14\_40} + X_{15\_40} + \\
& X_{16\_40} + \\
& X_{17\_40} + X_{18\_40} + X_{19\_40} + X_{20\_40} + X_{21\_40} + X_{22\_40} + X_{23\_40} = \\
& 1; \\
& [_{42}] X_{1\_41} + X_{2\_41} + X_{3\_41} + X_{4\_41} + X_{5\_41} + X_{6\_41} + X_{7\_41} + \\
& X_{8\_41} + \\
& X_{9\_41} + X_{10\_41} + X_{11\_41} + X_{12\_41} + X_{13\_41} + X_{14\_41} + X_{15\_41} + \\
& X_{16\_41} + \\
& X_{17\_41} + X_{18\_41} + X_{19\_41} + X_{20\_41} + X_{21\_41} + X_{22\_41} + X_{23\_41} = \\
& 1; \\
& [_{43}] X_{1\_42} + X_{2\_42} + X_{3\_42} + X_{4\_42} + X_{5\_42} + X_{6\_42} + X_{7\_42} + \\
& X_{8\_42} + \\
& X_{9\_42} + X_{10\_42} + X_{11\_42} + X_{12\_42} + X_{13\_42} + X_{14\_42} + X_{15\_42} + \\
& X_{16\_42} + \\
& X_{17\_42} + X_{18\_42} + X_{19\_42} + X_{20\_42} + X_{21\_42} + X_{22\_42} + X_{23\_42} = \\
& 1; \\
& [_{44}] X_{1\_43} + X_{2\_43} + X_{3\_43} + X_{4\_43} + X_{5\_43} + X_{6\_43} + X_{7\_43} + \\
& X_{8\_43} + \\
& X_{9\_43} + X_{10\_43} + X_{11\_43} + X_{12\_43} + X_{13\_43} + X_{14\_43} + X_{15\_43} + \\
& X_{16\_43} + \\
& X_{17\_43} + X_{18\_43} + X_{19\_43} + X_{20\_43} + X_{21\_43} + X_{22\_43} + X_{23\_43} = \\
& 1; \\
& [_{45}] X_{1\_44} + X_{2\_44} + X_{3\_44} + X_{4\_44} + X_{5\_44} + X_{6\_44} + X_{7\_44} + \\
& X_{8\_44} + \\
& X_{9\_44} + X_{10\_44} + X_{11\_44} + X_{12\_44} + X_{13\_44} + X_{14\_44} + X_{15\_44} + \\
& X_{16\_44} + \\
& X_{17\_44} + X_{18\_44} + X_{19\_44} + X_{20\_44} + X_{21\_44} + X_{22\_44} + X_{23\_44} = \\
& 1; \\
& [_{46}] X_{1\_45} + X_{2\_45} + X_{3\_45} + X_{4\_45} + X_{5\_45} + X_{6\_45} + X_{7\_45} + \\
& X_{8\_45} + \\
& X_{9\_45} + X_{10\_45} + X_{11\_45} + X_{12\_45} + X_{13\_45} + X_{14\_45} + X_{15\_45} + \\
& X_{16\_45} + \\
& X_{17\_45} + X_{18\_45} + X_{19\_45} + X_{20\_45} + X_{21\_45} + X_{22\_45} + X_{23\_45} = \\
& 1; \\
& [_{47}] X_{1\_46} + X_{2\_46} + X_{3\_46} + X_{4\_46} + X_{5\_46} + X_{6\_46} + X_{7\_46} + \\
& X_{8\_46} + \\
& X_{9\_46} + X_{10\_46} + X_{11\_46} + X_{12\_46} + X_{13\_46} + X_{14\_46} + X_{15\_46} + \\
& X_{16\_46} + \\
& X_{17\_46} + X_{18\_46} + X_{19\_46} + X_{20\_46} + X_{21\_46} + X_{22\_46} + X_{23\_46} = \\
& 1;
\end{aligned}$$

$$\begin{aligned}
& [_{48}] X_{1\_47} + X_{2\_47} + X_{3\_47} + X_{4\_47} + X_{5\_47} + X_{6\_47} + X_{7\_47} + \\
& X_{8\_47} + \\
& X_{9\_47} + X_{10\_47} + X_{11\_47} + X_{12\_47} + X_{13\_47} + X_{14\_47} + X_{15\_47} + \\
& X_{16\_47} + \\
& X_{17\_47} + X_{18\_47} + X_{19\_47} + X_{20\_47} + X_{21\_47} + X_{22\_47} + X_{23\_47} = \\
& 1;
\end{aligned}$$

$$\begin{aligned}
& [_{49}] X_{1\_48} + X_{2\_48} + X_{3\_48} + X_{4\_48} + X_{5\_48} + X_{6\_48} + X_{7\_48} + \\
& X_{8\_48} + \\
& X_{9\_48} + X_{10\_48} + X_{11\_48} + X_{12\_48} + X_{13\_48} + X_{14\_48} + X_{15\_48} + \\
& X_{16\_48} + \\
& X_{17\_48} + X_{18\_48} + X_{19\_48} + X_{20\_48} + X_{21\_48} + X_{22\_48} + X_{23\_48} = \\
& 1;
\end{aligned}$$

$$\begin{aligned}
& [_{50}] X_{1\_49} + X_{2\_49} + X_{3\_49} + X_{4\_49} + X_{5\_49} + X_{6\_49} + X_{7\_49} + \\
& X_{8\_49} + \\
& X_{9\_49} + X_{10\_49} + X_{11\_49} + X_{12\_49} + X_{13\_49} + X_{14\_49} + X_{15\_49} + \\
& X_{16\_49} + \\
& X_{17\_49} + X_{18\_49} + X_{19\_49} + X_{20\_49} + X_{21\_49} + X_{22\_49} + X_{23\_49} = \\
& 1;
\end{aligned}$$

$$\begin{aligned}
& [_{51}] X_{1\_50} + X_{2\_50} + X_{3\_50} + X_{4\_50} + X_{5\_50} + X_{6\_50} + X_{7\_50} + \\
& X_{8\_50} + \\
& X_{9\_50} + X_{10\_50} + X_{11\_50} + X_{12\_50} + X_{13\_50} + X_{14\_50} + X_{15\_50} + \\
& X_{16\_50} + \\
& X_{17\_50} + X_{18\_50} + X_{19\_50} + X_{20\_50} + X_{21\_50} + X_{22\_50} + X_{23\_50} = \\
& 1;
\end{aligned}$$

$$\begin{aligned}
& [_{52}] X_{1\_51} + X_{2\_51} + X_{3\_51} + X_{4\_51} + X_{5\_51} + X_{6\_51} + X_{7\_51} + \\
& X_{8\_51} + \\
& X_{9\_51} + X_{10\_51} + X_{11\_51} + X_{12\_51} + X_{13\_51} + X_{14\_51} + X_{15\_51} + \\
& X_{16\_51} + \\
& X_{17\_51} + X_{18\_51} + X_{19\_51} + X_{20\_51} + X_{21\_51} + X_{22\_51} + X_{23\_51} = \\
& 1;
\end{aligned}$$

$$\begin{aligned}
& [_{53}] X_{1\_52} + X_{2\_52} + X_{3\_52} + X_{4\_52} + X_{5\_52} + X_{6\_52} + X_{7\_52} + \\
& X_{8\_52} + \\
& X_{9\_52} + X_{10\_52} + X_{11\_52} + X_{12\_52} + X_{13\_52} + X_{14\_52} + X_{15\_52} + \\
& X_{16\_52} + \\
& X_{17\_52} + X_{18\_52} + X_{19\_52} + X_{20\_52} + X_{21\_52} + X_{22\_52} + X_{23\_52} = \\
& 1;
\end{aligned}$$

$$\begin{aligned}
& [_{54}] X_{1\_53} + X_{2\_53} + X_{3\_53} + X_{4\_53} + X_{5\_53} + X_{6\_53} + X_{7\_53} + \\
& X_{8\_53} + \\
& X_{9\_53} + X_{10\_53} + X_{11\_53} + X_{12\_53} + X_{13\_53} + X_{14\_53} + X_{15\_53} + \\
& X_{16\_53} + \\
& X_{17\_53} + X_{18\_53} + X_{19\_53} + X_{20\_53} + X_{21\_53} + X_{22\_53} + X_{23\_53} = \\
& 1;
\end{aligned}$$

$$\begin{aligned}
& [_{55}] X_{1\_54} + X_{2\_54} + X_{3\_54} + X_{4\_54} + X_{5\_54} + X_{6\_54} + X_{7\_54} + \\
& X_{8\_54} + \\
& X_{9\_54} + X_{10\_54} + X_{11\_54} + X_{12\_54} + X_{13\_54} + X_{14\_54} + X_{15\_54} + \\
& X_{16\_54} + \\
& X_{17\_54} + X_{18\_54} + X_{19\_54} + X_{20\_54} + X_{21\_54} + X_{22\_54} + X_{23\_54} = \\
& 1;
\end{aligned}$$

$$\begin{aligned}
& [_{56}] X_{1\_55} + X_{2\_55} + X_{3\_55} + X_{4\_55} + X_{5\_55} + X_{6\_55} + X_{7\_55} + \\
& X_{8\_55} + \\
& X_{9\_55} + X_{10\_55} + X_{11\_55} + X_{12\_55} + X_{13\_55} + X_{14\_55} + X_{15\_55} + \\
& X_{16\_55} + \\
& X_{17\_55} + X_{18\_55} + X_{19\_55} + X_{20\_55} + X_{21\_55} + X_{22\_55} + X_{23\_55} = \\
& 1;
\end{aligned}$$

$$\begin{aligned}
& [_{57}] X_{1\_56} + X_{2\_56} + X_{3\_56} + X_{4\_56} + X_{5\_56} + X_{6\_56} + X_{7\_56} + \\
& X_{8\_56} +
\end{aligned}$$

$$\begin{aligned}
& X_{9\_56} + X_{10\_56} + X_{11\_56} + X_{12\_56} + X_{13\_56} + X_{14\_56} + X_{15\_56} + \\
& X_{16\_56} + \\
& X_{17\_56} + X_{18\_56} + X_{19\_56} + X_{20\_56} + X_{21\_56} + X_{22\_56} + X_{23\_56} = \\
& 1; \\
& [_{58}] X_{1\_57} + X_{2\_57} + X_{3\_57} + X_{4\_57} + X_{5\_57} + X_{6\_57} + X_{7\_57} + \\
& X_{8\_57} + \\
& X_{9\_57} + X_{10\_57} + X_{11\_57} + X_{12\_57} + X_{13\_57} + X_{14\_57} + X_{15\_57} + \\
& X_{16\_57} + \\
& X_{17\_57} + X_{18\_57} + X_{19\_57} + X_{20\_57} + X_{21\_57} + X_{22\_57} + X_{23\_57} = \\
& 1; \\
& [_{59}] X_{1\_58} + X_{2\_58} + X_{3\_58} + X_{4\_58} + X_{5\_58} + X_{6\_58} + X_{7\_58} + \\
& X_{8\_58} + \\
& X_{9\_58} + X_{10\_58} + X_{11\_58} + X_{12\_58} + X_{13\_58} + X_{14\_58} + X_{15\_58} + \\
& X_{16\_58} + \\
& X_{17\_58} + X_{18\_58} + X_{19\_58} + X_{20\_58} + X_{21\_58} + X_{22\_58} + X_{23\_58} = \\
& 1; \\
& [_{60}] X_{1\_59} + X_{2\_59} + X_{3\_59} + X_{4\_59} + X_{5\_59} + X_{6\_59} + X_{7\_59} + \\
& X_{8\_59} + \\
& X_{9\_59} + X_{10\_59} + X_{11\_59} + X_{12\_59} + X_{13\_59} + X_{14\_59} + X_{15\_59} + \\
& X_{16\_59} + \\
& X_{17\_59} + X_{18\_59} + X_{19\_59} + X_{20\_59} + X_{21\_59} + X_{22\_59} + X_{23\_59} = \\
& 1; \\
& [_{61}] X_{1\_60} + X_{2\_60} + X_{3\_60} + X_{4\_60} + X_{5\_60} + X_{6\_60} + X_{7\_60} + \\
& X_{8\_60} + \\
& X_{9\_60} + X_{10\_60} + X_{11\_60} + X_{12\_60} + X_{13\_60} + X_{14\_60} + X_{15\_60} + \\
& X_{16\_60} + \\
& X_{17\_60} + X_{18\_60} + X_{19\_60} + X_{20\_60} + X_{21\_60} + X_{22\_60} + X_{23\_60} = \\
& 1; \\
& [_{62}] X_{1\_61} + X_{2\_61} + X_{3\_61} + X_{4\_61} + X_{5\_61} + X_{6\_61} + X_{7\_61} + \\
& X_{8\_61} + \\
& X_{9\_61} + X_{10\_61} + X_{11\_61} + X_{12\_61} + X_{13\_61} + X_{14\_61} + X_{15\_61} + \\
& X_{16\_61} + \\
& X_{17\_61} + X_{18\_61} + X_{19\_61} + X_{20\_61} + X_{21\_61} + X_{22\_61} + X_{23\_61} = \\
& 1; \\
& [_{63}] X_{1\_62} + X_{2\_62} + X_{3\_62} + X_{4\_62} + X_{5\_62} + X_{6\_62} + X_{7\_62} + \\
& X_{8\_62} + \\
& X_{9\_62} + X_{10\_62} + X_{11\_62} + X_{12\_62} + X_{13\_62} + X_{14\_62} + X_{15\_62} + \\
& X_{16\_62} + \\
& X_{17\_62} + X_{18\_62} + X_{19\_62} + X_{20\_62} + X_{21\_62} + X_{22\_62} + X_{23\_62} = \\
& 1; \\
& [_{64}] X_{1\_63} + X_{2\_63} + X_{3\_63} + X_{4\_63} + X_{5\_63} + X_{6\_63} + X_{7\_63} + \\
& X_{8\_63} + \\
& X_{9\_63} + X_{10\_63} + X_{11\_63} + X_{12\_63} + X_{13\_63} + X_{14\_63} + X_{15\_63} + \\
& X_{16\_63} + \\
& X_{17\_63} + X_{18\_63} + X_{19\_63} + X_{20\_63} + X_{21\_63} + X_{22\_63} + X_{23\_63} = \\
& 1; \\
& [_{65}] X_{1\_64} + X_{2\_64} + X_{3\_64} + X_{4\_64} + X_{5\_64} + X_{6\_64} + X_{7\_64} + \\
& X_{8\_64} + \\
& X_{9\_64} + X_{10\_64} + X_{11\_64} + X_{12\_64} + X_{13\_64} + X_{14\_64} + X_{15\_64} + \\
& X_{16\_64} + \\
& X_{17\_64} + X_{18\_64} + X_{19\_64} + X_{20\_64} + X_{21\_64} + X_{22\_64} + X_{23\_64} = \\
& 1; \\
& [_{66}] X_{1\_65} + X_{2\_65} + X_{3\_65} + X_{4\_65} + X_{5\_65} + X_{6\_65} + X_{7\_65} + \\
& X_{8\_65} + \\
& X_{9\_65} + X_{10\_65} + X_{11\_65} + X_{12\_65} + X_{13\_65} + X_{14\_65} + X_{15\_65} + \\
& X_{16\_65} +
\end{aligned}$$

$$\begin{aligned}
& X_{17\_65} + X_{18\_65} + X_{19\_65} + X_{20\_65} + X_{21\_65} + X_{22\_65} + X_{23\_65} = \\
& 1; \\
[_{67}] & X_{1\_66} + X_{2\_66} + X_{3\_66} + X_{4\_66} + X_{5\_66} + X_{6\_66} + X_{7\_66} + \\
& X_{8\_66} + \\
& X_{9\_66} + X_{10\_66} + X_{11\_66} + X_{12\_66} + X_{13\_66} + X_{14\_66} + X_{15\_66} + \\
& X_{16\_66} + \\
& X_{17\_66} + X_{18\_66} + X_{19\_66} + X_{20\_66} + X_{21\_66} + X_{22\_66} + X_{23\_66} = \\
& 1; \\
[_{68}] & X_{1\_67} + X_{2\_67} + X_{3\_67} + X_{4\_67} + X_{5\_67} + X_{6\_67} + X_{7\_67} + \\
& X_{8\_67} + \\
& X_{9\_67} + X_{10\_67} + X_{11\_67} + X_{12\_67} + X_{13\_67} + X_{14\_67} + X_{15\_67} + \\
& X_{16\_67} + \\
& X_{17\_67} + X_{18\_67} + X_{19\_67} + X_{20\_67} + X_{21\_67} + X_{22\_67} + X_{23\_67} = \\
& 1; \\
[_{69}] & X_{1\_68} + X_{2\_68} + X_{3\_68} + X_{4\_68} + X_{5\_68} + X_{6\_68} + X_{7\_68} + \\
& X_{8\_68} + \\
& X_{9\_68} + X_{10\_68} + X_{11\_68} + X_{12\_68} + X_{13\_68} + X_{14\_68} + X_{15\_68} + \\
& X_{16\_68} + \\
& X_{17\_68} + X_{18\_68} + X_{19\_68} + X_{20\_68} + X_{21\_68} + X_{22\_68} + X_{23\_68} = \\
& 1; \\
[_{70}] & X_{1\_69} + X_{2\_69} + X_{3\_69} + X_{4\_69} + X_{5\_69} + X_{6\_69} + X_{7\_69} + \\
& X_{8\_69} + \\
& X_{9\_69} + X_{10\_69} + X_{11\_69} + X_{12\_69} + X_{13\_69} + X_{14\_69} + X_{15\_69} + \\
& X_{16\_69} + \\
& X_{17\_69} + X_{18\_69} + X_{19\_69} + X_{20\_69} + X_{21\_69} + X_{22\_69} + X_{23\_69} = \\
& 1; \\
[_{71}] & X_{1\_70} + X_{2\_70} + X_{3\_70} + X_{4\_70} + X_{5\_70} + X_{6\_70} + X_{7\_70} + \\
& X_{8\_70} + \\
& X_{9\_70} + X_{10\_70} + X_{11\_70} + X_{12\_70} + X_{13\_70} + X_{14\_70} + X_{15\_70} + \\
& X_{16\_70} + \\
& X_{17\_70} + X_{18\_70} + X_{19\_70} + X_{20\_70} + X_{21\_70} + X_{22\_70} + X_{23\_70} = \\
& 1; \\
[_{72}] & X_{1\_71} + X_{2\_71} + X_{3\_71} + X_{4\_71} + X_{5\_71} + X_{6\_71} + X_{7\_71} + \\
& X_{8\_71} + \\
& X_{9\_71} + X_{10\_71} + X_{11\_71} + X_{12\_71} + X_{13\_71} + X_{14\_71} + X_{15\_71} + \\
& X_{16\_71} + \\
& X_{17\_71} + X_{18\_71} + X_{19\_71} + X_{20\_71} + X_{21\_71} + X_{22\_71} + X_{23\_71} = \\
& 1; \\
[_{73}] & X_{1\_72} + X_{2\_72} + X_{3\_72} + X_{4\_72} + X_{5\_72} + X_{6\_72} + X_{7\_72} + \\
& X_{8\_72} + \\
& X_{9\_72} + X_{10\_72} + X_{11\_72} + X_{12\_72} + X_{13\_72} + X_{14\_72} + X_{15\_72} + \\
& X_{16\_72} + \\
& X_{17\_72} + X_{18\_72} + X_{19\_72} + X_{20\_72} + X_{21\_72} + X_{22\_72} + X_{23\_72} = \\
& 1; \\
[_{74}] & X_{1\_73} + X_{2\_73} + X_{3\_73} + X_{4\_73} + X_{5\_73} + X_{6\_73} + X_{7\_73} + \\
& X_{8\_73} + \\
& X_{9\_73} + X_{10\_73} + X_{11\_73} + X_{12\_73} + X_{13\_73} + X_{14\_73} + X_{15\_73} + \\
& X_{16\_73} + \\
& X_{17\_73} + X_{18\_73} + X_{19\_73} + X_{20\_73} + X_{21\_73} + X_{22\_73} + X_{23\_73} = \\
& 1; \\
[_{75}] & X_{1\_74} + X_{2\_74} + X_{3\_74} + X_{4\_74} + X_{5\_74} + X_{6\_74} + X_{7\_74} + \\
& X_{8\_74} + \\
& X_{9\_74} + X_{10\_74} + X_{11\_74} + X_{12\_74} + X_{13\_74} + X_{14\_74} + X_{15\_74} + \\
& X_{16\_74} + \\
& X_{17\_74} + X_{18\_74} + X_{19\_74} + X_{20\_74} + X_{21\_74} + X_{22\_74} + X_{23\_74} = \\
& 1;
\end{aligned}$$



$$\begin{aligned}
& [_{76}] X_{1\_75} + X_{2\_75} + X_{3\_75} + X_{4\_75} + X_{5\_75} + X_{6\_75} + X_{7\_75} + \\
& X_{8\_75} + \\
& X_{9\_75} + X_{10\_75} + X_{11\_75} + X_{12\_75} + X_{13\_75} + X_{14\_75} + X_{15\_75} + \\
& X_{16\_75} + \\
& X_{17\_75} + X_{18\_75} + X_{19\_75} + X_{20\_75} + X_{21\_75} + X_{22\_75} + X_{23\_75} = \\
& 1; \\
& [_{77}] X_{1\_76} + X_{2\_76} + X_{3\_76} + X_{4\_76} + X_{5\_76} + X_{6\_76} + X_{7\_76} + \\
& X_{8\_76} + \\
& X_{9\_76} + X_{10\_76} + X_{11\_76} + X_{12\_76} + X_{13\_76} + X_{14\_76} + X_{15\_76} + \\
& X_{16\_76} + \\
& X_{17\_76} + X_{18\_76} + X_{19\_76} + X_{20\_76} + X_{21\_76} + X_{22\_76} + X_{23\_76} = \\
& 1; \\
& [_{78}] X_{1\_77} + X_{2\_77} + X_{3\_77} + X_{4\_77} + X_{5\_77} + X_{6\_77} + X_{7\_77} + \\
& X_{8\_77} + \\
& X_{9\_77} + X_{10\_77} + X_{11\_77} + X_{12\_77} + X_{13\_77} + X_{14\_77} + X_{15\_77} + \\
& X_{16\_77} + \\
& X_{17\_77} + X_{18\_77} + X_{19\_77} + X_{20\_77} + X_{21\_77} + X_{22\_77} + X_{23\_77} = \\
& 1; \\
& [_{79}] X_{1\_78} + X_{2\_78} + X_{3\_78} + X_{4\_78} + X_{5\_78} + X_{6\_78} + X_{7\_78} + \\
& X_{8\_78} + \\
& X_{9\_78} + X_{10\_78} + X_{11\_78} + X_{12\_78} + X_{13\_78} + X_{14\_78} + X_{15\_78} + \\
& X_{16\_78} + \\
& X_{17\_78} + X_{18\_78} + X_{19\_78} + X_{20\_78} + X_{21\_78} + X_{22\_78} + X_{23\_78} = \\
& 1; \\
& [_{80}] X_{1\_79} + X_{2\_79} + X_{3\_79} + X_{4\_79} + X_{5\_79} + X_{6\_79} + X_{7\_79} + \\
& X_{8\_79} + \\
& X_{9\_79} + X_{10\_79} + X_{11\_79} + X_{12\_79} + X_{13\_79} + X_{14\_79} + X_{15\_79} + \\
& X_{16\_79} + \\
& X_{17\_79} + X_{18\_79} + X_{19\_79} + X_{20\_79} + X_{21\_79} + X_{22\_79} + X_{23\_79} = \\
& 1; \\
& [_{81}] X_{1\_80} + X_{2\_80} + X_{3\_80} + X_{4\_80} + X_{5\_80} + X_{6\_80} + X_{7\_80} + \\
& X_{8\_80} + \\
& X_{9\_80} + X_{10\_80} + X_{11\_80} + X_{12\_80} + X_{13\_80} + X_{14\_80} + X_{15\_80} + \\
& X_{16\_80} + \\
& X_{17\_80} + X_{18\_80} + X_{19\_80} + X_{20\_80} + X_{21\_80} + X_{22\_80} + X_{23\_80} = \\
& 1; \\
& [_{82}] X_{1\_81} + X_{2\_81} + X_{3\_81} + X_{4\_81} + X_{5\_81} + X_{6\_81} + X_{7\_81} + \\
& X_{8\_81} + \\
& X_{9\_81} + X_{10\_81} + X_{11\_81} + X_{12\_81} + X_{13\_81} + X_{14\_81} + X_{15\_81} + \\
& X_{16\_81} + \\
& X_{17\_81} + X_{18\_81} + X_{19\_81} + X_{20\_81} + X_{21\_81} + X_{22\_81} + X_{23\_81} = \\
& 1; \\
& [_{83}] X_{1\_82} + X_{2\_82} + X_{3\_82} + X_{4\_82} + X_{5\_82} + X_{6\_82} + X_{7\_82} + \\
& X_{8\_82} + \\
& X_{9\_82} + X_{10\_82} + X_{11\_82} + X_{12\_82} + X_{13\_82} + X_{14\_82} + X_{15\_82} + \\
& X_{16\_82} + \\
& X_{17\_82} + X_{18\_82} + X_{19\_82} + X_{20\_82} + X_{21\_82} + X_{22\_82} + X_{23\_82} = \\
& 1; \\
& [_{84}] X_{1\_83} + X_{2\_83} + X_{3\_83} + X_{4\_83} + X_{5\_83} + X_{6\_83} + X_{7\_83} + \\
& X_{8\_83} + \\
& X_{9\_83} + X_{10\_83} + X_{11\_83} + X_{12\_83} + X_{13\_83} + X_{14\_83} + X_{15\_83} + \\
& X_{16\_83} + \\
& X_{17\_83} + X_{18\_83} + X_{19\_83} + X_{20\_83} + X_{21\_83} + X_{22\_83} + X_{23\_83} = \\
& 1; \\
& [_{85}] X_{1\_84} + X_{2\_84} + X_{3\_84} + X_{4\_84} + X_{5\_84} + X_{6\_84} + X_{7\_84} + \\
& X_{8\_84} +
\end{aligned}$$

$$\begin{aligned}
& X_{9\_84} + X_{10\_84} + X_{11\_84} + X_{12\_84} + X_{13\_84} + X_{14\_84} + X_{15\_84} + \\
& X_{16\_84} + \\
& X_{17\_84} + X_{18\_84} + X_{19\_84} + X_{20\_84} + X_{21\_84} + X_{22\_84} + X_{23\_84} = \\
& 1; \\
& [_{86}] X_{1\_85} + X_{2\_85} + X_{3\_85} + X_{4\_85} + X_{5\_85} + X_{6\_85} + X_{7\_85} + \\
& X_{8\_85} + \\
& X_{9\_85} + X_{10\_85} + X_{11\_85} + X_{12\_85} + X_{13\_85} + X_{14\_85} + X_{15\_85} + \\
& X_{16\_85} + \\
& X_{17\_85} + X_{18\_85} + X_{19\_85} + X_{20\_85} + X_{21\_85} + X_{22\_85} + X_{23\_85} = \\
& 1; \\
& [_{87}] X_{1\_86} + X_{2\_86} + X_{3\_86} + X_{4\_86} + X_{5\_86} + X_{6\_86} + X_{7\_86} + \\
& X_{8\_86} + \\
& X_{9\_86} + X_{10\_86} + X_{11\_86} + X_{12\_86} + X_{13\_86} + X_{14\_86} + X_{15\_86} + \\
& X_{16\_86} + \\
& X_{17\_86} + X_{18\_86} + X_{19\_86} + X_{20\_86} + X_{21\_86} + X_{22\_86} + X_{23\_86} = \\
& 1; \\
& [_{88}] X_{1\_87} + X_{2\_87} + X_{3\_87} + X_{4\_87} + X_{5\_87} + X_{6\_87} + X_{7\_87} + \\
& X_{8\_87} + \\
& X_{9\_87} + X_{10\_87} + X_{11\_87} + X_{12\_87} + X_{13\_87} + X_{14\_87} + X_{15\_87} + \\
& X_{16\_87} + \\
& X_{17\_87} + X_{18\_87} + X_{19\_87} + X_{20\_87} + X_{21\_87} + X_{22\_87} + X_{23\_87} = \\
& 1; \\
& [_{89}] X_{1\_88} + X_{2\_88} + X_{3\_88} + X_{4\_88} + X_{5\_88} + X_{6\_88} + X_{7\_88} + \\
& X_{8\_88} + \\
& X_{9\_88} + X_{10\_88} + X_{11\_88} + X_{12\_88} + X_{13\_88} + X_{14\_88} + X_{15\_88} + \\
& X_{16\_88} + \\
& X_{17\_88} + X_{18\_88} + X_{19\_88} + X_{20\_88} + X_{21\_88} + X_{22\_88} + X_{23\_88} = \\
& 1; \\
& [_{90}] X_{1\_89} + X_{2\_89} + X_{3\_89} + X_{4\_89} + X_{5\_89} + X_{6\_89} + X_{7\_89} + \\
& X_{8\_89} + \\
& X_{9\_89} + X_{10\_89} + X_{11\_89} + X_{12\_89} + X_{13\_89} + X_{14\_89} + X_{15\_89} + \\
& X_{16\_89} + \\
& X_{17\_89} + X_{18\_89} + X_{19\_89} + X_{20\_89} + X_{21\_89} + X_{22\_89} + X_{23\_89} = \\
& 1; \\
& [_{91}] X_{1\_90} + X_{2\_90} + X_{3\_90} + X_{4\_90} + X_{5\_90} + X_{6\_90} + X_{7\_90} + \\
& X_{8\_90} + \\
& X_{9\_90} + X_{10\_90} + X_{11\_90} + X_{12\_90} + X_{13\_90} + X_{14\_90} + X_{15\_90} + \\
& X_{16\_90} + \\
& X_{17\_90} + X_{18\_90} + X_{19\_90} + X_{20\_90} + X_{21\_90} + X_{22\_90} + X_{23\_90} = \\
& 1; \\
& [_{92}] X_{1\_91} + X_{2\_91} + X_{3\_91} + X_{4\_91} + X_{5\_91} + X_{6\_91} + X_{7\_91} + \\
& X_{8\_91} + \\
& X_{9\_91} + X_{10\_91} + X_{11\_91} + X_{12\_91} + X_{13\_91} + X_{14\_91} + X_{15\_91} + \\
& X_{16\_91} + \\
& X_{17\_91} + X_{18\_91} + X_{19\_91} + X_{20\_91} + X_{21\_91} + X_{22\_91} + X_{23\_91} = \\
& 1; \\
& [_{93}] X_{1\_92} + X_{2\_92} + X_{3\_92} + X_{4\_92} + X_{5\_92} + X_{6\_92} + X_{7\_92} + \\
& X_{8\_92} + \\
& X_{9\_92} + X_{10\_92} + X_{11\_92} + X_{12\_92} + X_{13\_92} + X_{14\_92} + X_{15\_92} + \\
& X_{16\_92} + \\
& X_{17\_92} + X_{18\_92} + X_{19\_92} + X_{20\_92} + X_{21\_92} + X_{22\_92} + X_{23\_92} = \\
& 1; \\
& [_{94}] X_{1\_93} + X_{2\_93} + X_{3\_93} + X_{4\_93} + X_{5\_93} + X_{6\_93} + X_{7\_93} + \\
& X_{8\_93} + \\
& X_{9\_93} + X_{10\_93} + X_{11\_93} + X_{12\_93} + X_{13\_93} + X_{14\_93} + X_{15\_93} + \\
& X_{16\_93} +
\end{aligned}$$

$$\begin{aligned}
& X_{17\_93} + X_{18\_93} + X_{19\_93} + X_{20\_93} + X_{21\_93} + X_{22\_93} + X_{23\_93} = \\
& 1; \\
& [_{95}] X_{1\_94} + X_{2\_94} + X_{3\_94} + X_{4\_94} + X_{5\_94} + X_{6\_94} + X_{7\_94} + \\
& X_{8\_94} + \\
& X_{9\_94} + X_{10\_94} + X_{11\_94} + X_{12\_94} + X_{13\_94} + X_{14\_94} + X_{15\_94} + \\
& X_{16\_94} + \\
& X_{17\_94} + X_{18\_94} + X_{19\_94} + X_{20\_94} + X_{21\_94} + X_{22\_94} + X_{23\_94} = \\
& 1; \\
& [_{96}] X_{1\_95} + X_{2\_95} + X_{3\_95} + X_{4\_95} + X_{5\_95} + X_{6\_95} + X_{7\_95} + \\
& X_{8\_95} + \\
& X_{9\_95} + X_{10\_95} + X_{11\_95} + X_{12\_95} + X_{13\_95} + X_{14\_95} + X_{15\_95} + \\
& X_{16\_95} + \\
& X_{17\_95} + X_{18\_95} + X_{19\_95} + X_{20\_95} + X_{21\_95} + X_{22\_95} + X_{23\_95} = \\
& 1; \\
& [_{97}] X_{1\_96} + X_{2\_96} + X_{3\_96} + X_{4\_96} + X_{5\_96} + X_{6\_96} + X_{7\_96} + \\
& X_{8\_96} + \\
& X_{9\_96} + X_{10\_96} + X_{11\_96} + X_{12\_96} + X_{13\_96} + X_{14\_96} + X_{15\_96} + \\
& X_{16\_96} + \\
& X_{17\_96} + X_{18\_96} + X_{19\_96} + X_{20\_96} + X_{21\_96} + X_{22\_96} + X_{23\_96} = \\
& 1; \\
& [_{98}] X_{1\_97} + X_{2\_97} + X_{3\_97} + X_{4\_97} + X_{5\_97} + X_{6\_97} + X_{7\_97} + \\
& X_{8\_97} + \\
& X_{9\_97} + X_{10\_97} + X_{11\_97} + X_{12\_97} + X_{13\_97} + X_{14\_97} + X_{15\_97} + \\
& X_{16\_97} + \\
& X_{17\_97} + X_{18\_97} + X_{19\_97} + X_{20\_97} + X_{21\_97} + X_{22\_97} + X_{23\_97} = \\
& 1; \\
& [_{99}] X_{1\_98} + X_{2\_98} + X_{3\_98} + X_{4\_98} + X_{5\_98} + X_{6\_98} + X_{7\_98} + \\
& X_{8\_98} + \\
& X_{9\_98} + X_{10\_98} + X_{11\_98} + X_{12\_98} + X_{13\_98} + X_{14\_98} + X_{15\_98} + \\
& X_{16\_98} + \\
& X_{17\_98} + X_{18\_98} + X_{19\_98} + X_{20\_98} + X_{21\_98} + X_{22\_98} + X_{23\_98} = \\
& 1; \\
& [_{100}] X_{1\_99} + X_{2\_99} + X_{3\_99} + X_{4\_99} + X_{5\_99} + X_{6\_99} + X_{7\_99} + \\
& X_{8\_99} + \\
& X_{9\_99} + X_{10\_99} + X_{11\_99} + X_{12\_99} + X_{13\_99} + X_{14\_99} + X_{15\_99} + \\
& X_{16\_99} + \\
& X_{17\_99} + X_{18\_99} + X_{19\_99} + X_{20\_99} + X_{21\_99} + X_{22\_99} + X_{23\_99} = \\
& 1; \\
& [_{101}] X_{1\_100} + X_{2\_100} + X_{3\_100} + X_{4\_100} + X_{5\_100} + X_{6\_100} + \\
& X_{7\_100} + \\
& X_{8\_100} + X_{9\_100} + X_{10\_100} + X_{11\_100} + X_{12\_100} + X_{13\_100} + \\
& X_{14\_100} + \\
& X_{15\_100} + X_{16\_100} + X_{17\_100} + X_{18\_100} + X_{19\_100} + X_{20\_100} + \\
& X_{21\_100} + \\
& X_{22\_100} + X_{23\_100} = 1; \\
& [_{102}] X_{1\_101} + X_{2\_101} + X_{3\_101} + X_{4\_101} + X_{5\_101} + X_{6\_101} + \\
& X_{7\_101} + \\
& X_{8\_101} + X_{9\_101} + X_{10\_101} + X_{11\_101} + X_{12\_101} + X_{13\_101} + \\
& X_{14\_101} + \\
& X_{15\_101} + X_{16\_101} + X_{17\_101} + X_{18\_101} + X_{19\_101} + X_{20\_101} + \\
& X_{21\_101} + \\
& X_{22\_101} + X_{23\_101} = 1; \\
& [_{103}] X_{1\_102} + X_{2\_102} + X_{3\_102} + X_{4\_102} + X_{5\_102} + X_{6\_102} + \\
& X_{7\_102} + \\
& X_{8\_102} + X_{9\_102} + X_{10\_102} + X_{11\_102} + X_{12\_102} + X_{13\_102} + \\
& X_{14\_102} +
\end{aligned}$$

$X_{15\_102} + X_{16\_102} + X_{17\_102} + X_{18\_102} + X_{19\_102} + X_{20\_102} + X_{21\_102} + X_{22\_102} + X_{23\_102} = 1;$   
 [\_104]  $X_{1\_103} + X_{2\_103} + X_{3\_103} + X_{4\_103} + X_{5\_103} + X_{6\_103} + X_{7\_103} + X_{8\_103} + X_{9\_103} + X_{10\_103} + X_{11\_103} + X_{12\_103} + X_{13\_103} + X_{14\_103} + X_{15\_103} + X_{16\_103} + X_{17\_103} + X_{18\_103} + X_{19\_103} + X_{20\_103} + X_{21\_103} + X_{22\_103} + X_{23\_103} = 1;$   
 [\_105]  $X_{1\_104} + X_{2\_104} + X_{3\_104} + X_{4\_104} + X_{5\_104} + X_{6\_104} + X_{7\_104} + X_{8\_104} + X_{9\_104} + X_{10\_104} + X_{11\_104} + X_{12\_104} + X_{13\_104} + X_{14\_104} + X_{15\_104} + X_{16\_104} + X_{17\_104} + X_{18\_104} + X_{19\_104} + X_{20\_104} + X_{21\_104} + X_{22\_104} + X_{23\_104} = 1;$   
 [\_106]  $X_{1\_105} + X_{2\_105} + X_{3\_105} + X_{4\_105} + X_{5\_105} + X_{6\_105} + X_{7\_105} + X_{8\_105} + X_{9\_105} + X_{10\_105} + X_{11\_105} + X_{12\_105} + X_{13\_105} + X_{14\_105} + X_{15\_105} + X_{16\_105} + X_{17\_105} + X_{18\_105} + X_{19\_105} + X_{20\_105} + X_{21\_105} + X_{22\_105} + X_{23\_105} = 1;$   
 [\_107]  $X_{1\_106} + X_{2\_106} + X_{3\_106} + X_{4\_106} + X_{5\_106} + X_{6\_106} + X_{7\_106} + X_{8\_106} + X_{9\_106} + X_{10\_106} + X_{11\_106} + X_{12\_106} + X_{13\_106} + X_{14\_106} + X_{15\_106} + X_{16\_106} + X_{17\_106} + X_{18\_106} + X_{19\_106} + X_{20\_106} + X_{21\_106} + X_{22\_106} + X_{23\_106} = 1;$   
 [\_108]  $X_{1\_107} + X_{2\_107} + X_{3\_107} + X_{4\_107} + X_{5\_107} + X_{6\_107} + X_{7\_107} + X_{8\_107} + X_{9\_107} + X_{10\_107} + X_{11\_107} + X_{12\_107} + X_{13\_107} + X_{14\_107} + X_{15\_107} + X_{16\_107} + X_{17\_107} + X_{18\_107} + X_{19\_107} + X_{20\_107} + X_{21\_107} + X_{22\_107} + X_{23\_107} = 1;$   
 [\_109]  $X_{1\_108} + X_{2\_108} + X_{3\_108} + X_{4\_108} + X_{5\_108} + X_{6\_108} + X_{7\_108} + X_{8\_108} + X_{9\_108} + X_{10\_108} + X_{11\_108} + X_{12\_108} + X_{13\_108} + X_{14\_108} + X_{15\_108} + X_{16\_108} + X_{17\_108} + X_{18\_108} + X_{19\_108} + X_{20\_108} + X_{21\_108} + X_{22\_108} + X_{23\_108} = 1;$   
 [\_110]  $X_{1\_109} + X_{2\_109} + X_{3\_109} + X_{4\_109} + X_{5\_109} + X_{6\_109} + X_{7\_109} + X_{8\_109} + X_{9\_109} + X_{10\_109} + X_{11\_109} + X_{12\_109} + X_{13\_109} + X_{14\_109} + X_{15\_109} + X_{16\_109} + X_{17\_109} + X_{18\_109} + X_{19\_109} + X_{20\_109} + X_{21\_109} + X_{22\_109} + X_{23\_109} = 1;$   
 [\_111]  $X_{1\_110} + X_{2\_110} + X_{3\_110} + X_{4\_110} + X_{5\_110} + X_{6\_110} + X_{7\_110} + X_{8\_110} + X_{9\_110} + X_{10\_110} + X_{11\_110} + X_{12\_110} + X_{13\_110} + X_{14\_110} +$

$$\begin{aligned}
& X_{15\_110} + X_{16\_110} + X_{17\_110} + X_{18\_110} + X_{19\_110} + X_{20\_110} + \\
& X_{21\_110} + \\
& X_{22\_110} + X_{23\_110} = 1; \\
& [_{112}] X_{1\_111} + X_{2\_111} + X_{3\_111} + X_{4\_111} + X_{5\_111} + X_{6\_111} + \\
& X_{7\_111} + \\
& X_{8\_111} + X_{9\_111} + X_{10\_111} + X_{11\_111} + X_{12\_111} + X_{13\_111} + \\
& X_{14\_111} + \\
& X_{15\_111} + X_{16\_111} + X_{17\_111} + X_{18\_111} + X_{19\_111} + X_{20\_111} + \\
& X_{21\_111} + \\
& X_{22\_111} + X_{23\_111} = 1; \\
& [_{113}] X_{1\_112} + X_{2\_112} + X_{3\_112} + X_{4\_112} + X_{5\_112} + X_{6\_112} + \\
& X_{7\_112} + \\
& X_{8\_112} + X_{9\_112} + X_{10\_112} + X_{11\_112} + X_{12\_112} + X_{13\_112} + \\
& X_{14\_112} + \\
& X_{15\_112} + X_{16\_112} + X_{17\_112} + X_{18\_112} + X_{19\_112} + X_{20\_112} + \\
& X_{21\_112} + \\
& X_{22\_112} + X_{23\_112} = 1; \\
& [_{114}] X_{1\_113} + X_{2\_113} + X_{3\_113} + X_{4\_113} + X_{5\_113} + X_{6\_113} + \\
& X_{7\_113} + \\
& X_{8\_113} + X_{9\_113} + X_{10\_113} + X_{11\_113} + X_{12\_113} + X_{13\_113} + \\
& X_{14\_113} + \\
& X_{15\_113} + X_{16\_113} + X_{17\_113} + X_{18\_113} + X_{19\_113} + X_{20\_113} + \\
& X_{21\_113} + \\
& X_{22\_113} + X_{23\_113} = 1; \\
& [_{115}] X_{1\_114} + X_{2\_114} + X_{3\_114} + X_{4\_114} + X_{5\_114} + X_{6\_114} + \\
& X_{7\_114} + \\
& X_{8\_114} + X_{9\_114} + X_{10\_114} + X_{11\_114} + X_{12\_114} + X_{13\_114} + \\
& X_{14\_114} + \\
& X_{15\_114} + X_{16\_114} + X_{17\_114} + X_{18\_114} + X_{19\_114} + X_{20\_114} + \\
& X_{21\_114} + \\
& X_{22\_114} + X_{23\_114} = 1; \\
& [_{116}] X_{1\_115} + X_{2\_115} + X_{3\_115} + X_{4\_115} + X_{5\_115} + X_{6\_115} + \\
& X_{7\_115} + \\
& X_{8\_115} + X_{9\_115} + X_{10\_115} + X_{11\_115} + X_{12\_115} + X_{13\_115} + \\
& X_{14\_115} + \\
& X_{15\_115} + X_{16\_115} + X_{17\_115} + X_{18\_115} + X_{19\_115} + X_{20\_115} + \\
& X_{21\_115} + \\
& X_{22\_115} + X_{23\_115} = 1; \\
& [_{117}] X_{1\_116} + X_{2\_116} + X_{3\_116} + X_{4\_116} + X_{5\_116} + X_{6\_116} + \\
& X_{7\_116} + \\
& X_{8\_116} + X_{9\_116} + X_{10\_116} + X_{11\_116} + X_{12\_116} + X_{13\_116} + \\
& X_{14\_116} + \\
& X_{15\_116} + X_{16\_116} + X_{17\_116} + X_{18\_116} + X_{19\_116} + X_{20\_116} + \\
& X_{21\_116} + \\
& X_{22\_116} + X_{23\_116} = 1; \\
& [_{118}] X_{1\_117} + X_{2\_117} + X_{3\_117} + X_{4\_117} + X_{5\_117} + X_{6\_117} + \\
& X_{7\_117} + \\
& X_{8\_117} + X_{9\_117} + X_{10\_117} + X_{11\_117} + X_{12\_117} + X_{13\_117} + \\
& X_{14\_117} + \\
& X_{15\_117} + X_{16\_117} + X_{17\_117} + X_{18\_117} + X_{19\_117} + X_{20\_117} + \\
& X_{21\_117} + \\
& X_{22\_117} + X_{23\_117} = 1; \\
& [_{119}] X_{1\_118} + X_{2\_118} + X_{3\_118} + X_{4\_118} + X_{5\_118} + X_{6\_118} + \\
& X_{7\_118} + \\
& X_{8\_118} + X_{9\_118} + X_{10\_118} + X_{11\_118} + X_{12\_118} + X_{13\_118} + \\
& X_{14\_118} +
\end{aligned}$$

$$\begin{aligned}
& X_{15\_118} + X_{16\_118} + X_{17\_118} + X_{18\_118} + X_{19\_118} + X_{20\_118} + \\
& X_{21\_118} + \\
& X_{22\_118} + X_{23\_118} = 1; \\
& [_{120}] X_{1\_119} + X_{2\_119} + X_{3\_119} + X_{4\_119} + X_{5\_119} + X_{6\_119} + \\
& X_{7\_119} + \\
& X_{8\_119} + X_{9\_119} + X_{10\_119} + X_{11\_119} + X_{12\_119} + X_{13\_119} + \\
& X_{14\_119} + \\
& X_{15\_119} + X_{16\_119} + X_{17\_119} + X_{18\_119} + X_{19\_119} + X_{20\_119} + \\
& X_{21\_119} + \\
& X_{22\_119} + X_{23\_119} = 1; \\
& [_{121}] X_{1\_120} + X_{2\_120} + X_{3\_120} + X_{4\_120} + X_{5\_120} + X_{6\_120} + \\
& X_{7\_120} + \\
& X_{8\_120} + X_{9\_120} + X_{10\_120} + X_{11\_120} + X_{12\_120} + X_{13\_120} + \\
& X_{14\_120} + \\
& X_{15\_120} + X_{16\_120} + X_{17\_120} + X_{18\_120} + X_{19\_120} + X_{20\_120} + \\
& X_{21\_120} + \\
& X_{22\_120} + X_{23\_120} = 1; \\
& [_{122}] X_{1\_121} + X_{2\_121} + X_{3\_121} + X_{4\_121} + X_{5\_121} + X_{6\_121} + \\
& X_{7\_121} + \\
& X_{8\_121} + X_{9\_121} + X_{10\_121} + X_{11\_121} + X_{12\_121} + X_{13\_121} + \\
& X_{14\_121} + \\
& X_{15\_121} + X_{16\_121} + X_{17\_121} + X_{18\_121} + X_{19\_121} + X_{20\_121} + \\
& X_{21\_121} + \\
& X_{22\_121} + X_{23\_121} = 1; \\
& [_{123}] X_{1\_122} + X_{2\_122} + X_{3\_122} + X_{4\_122} + X_{5\_122} + X_{6\_122} + \\
& X_{7\_122} + \\
& X_{8\_122} + X_{9\_122} + X_{10\_122} + X_{11\_122} + X_{12\_122} + X_{13\_122} + \\
& X_{14\_122} + \\
& X_{15\_122} + X_{16\_122} + X_{17\_122} + X_{18\_122} + X_{19\_122} + X_{20\_122} + \\
& X_{21\_122} + \\
& X_{22\_122} + X_{23\_122} = 1; \\
& [_{124}] X_{1\_123} + X_{2\_123} + X_{3\_123} + X_{4\_123} + X_{5\_123} + X_{6\_123} + \\
& X_{7\_123} + \\
& X_{8\_123} + X_{9\_123} + X_{10\_123} + X_{11\_123} + X_{12\_123} + X_{13\_123} + \\
& X_{14\_123} + \\
& X_{15\_123} + X_{16\_123} + X_{17\_123} + X_{18\_123} + X_{19\_123} + X_{20\_123} + \\
& X_{21\_123} + \\
& X_{22\_123} + X_{23\_123} = 1; \\
& [_{125}] X_{1\_124} + X_{2\_124} + X_{3\_124} + X_{4\_124} + X_{5\_124} + X_{6\_124} + \\
& X_{7\_124} + \\
& X_{8\_124} + X_{9\_124} + X_{10\_124} + X_{11\_124} + X_{12\_124} + X_{13\_124} + \\
& X_{14\_124} + \\
& X_{15\_124} + X_{16\_124} + X_{17\_124} + X_{18\_124} + X_{19\_124} + X_{20\_124} + \\
& X_{21\_124} + \\
& X_{22\_124} + X_{23\_124} = 1; \\
& [_{126}] X_{1\_125} + X_{2\_125} + X_{3\_125} + X_{4\_125} + X_{5\_125} + X_{6\_125} + \\
& X_{7\_125} + \\
& X_{8\_125} + X_{9\_125} + X_{10\_125} + X_{11\_125} + X_{12\_125} + X_{13\_125} + \\
& X_{14\_125} + \\
& X_{15\_125} + X_{16\_125} + X_{17\_125} + X_{18\_125} + X_{19\_125} + X_{20\_125} + \\
& X_{21\_125} + \\
& X_{22\_125} + X_{23\_125} = 1; \\
& [_{127}] X_{1\_126} + X_{2\_126} + X_{3\_126} + X_{4\_126} + X_{5\_126} + X_{6\_126} + \\
& X_{7\_126} + \\
& X_{8\_126} + X_{9\_126} + X_{10\_126} + X_{11\_126} + X_{12\_126} + X_{13\_126} + \\
& X_{14\_126} +
\end{aligned}$$

$$\begin{aligned}
& X_{15\_126} + X_{16\_126} + X_{17\_126} + X_{18\_126} + X_{19\_126} + X_{20\_126} + \\
& X_{21\_126} + \\
& X_{22\_126} + X_{23\_126} = 1; \\
& [_{128}] X_{1\_127} + X_{2\_127} + X_{3\_127} + X_{4\_127} + X_{5\_127} + X_{6\_127} + \\
& X_{7\_127} + \\
& X_{8\_127} + X_{9\_127} + X_{10\_127} + X_{11\_127} + X_{12\_127} + X_{13\_127} + \\
& X_{14\_127} + \\
& X_{15\_127} + X_{16\_127} + X_{17\_127} + X_{18\_127} + X_{19\_127} + X_{20\_127} + \\
& X_{21\_127} + \\
& X_{22\_127} + X_{23\_127} = 1; \\
& [_{129}] X_{1\_128} + X_{2\_128} + X_{3\_128} + X_{4\_128} + X_{5\_128} + X_{6\_128} + \\
& X_{7\_128} + \\
& X_{8\_128} + X_{9\_128} + X_{10\_128} + X_{11\_128} + X_{12\_128} + X_{13\_128} + \\
& X_{14\_128} + \\
& X_{15\_128} + X_{16\_128} + X_{17\_128} + X_{18\_128} + X_{19\_128} + X_{20\_128} + \\
& X_{21\_128} + \\
& X_{22\_128} + X_{23\_128} = 1; \\
& [_{130}] X_{1\_129} + X_{2\_129} + X_{3\_129} + X_{4\_129} + X_{5\_129} + X_{6\_129} + \\
& X_{7\_129} + \\
& X_{8\_129} + X_{9\_129} + X_{10\_129} + X_{11\_129} + X_{12\_129} + X_{13\_129} + \\
& X_{14\_129} + \\
& X_{15\_129} + X_{16\_129} + X_{17\_129} + X_{18\_129} + X_{19\_129} + X_{20\_129} + \\
& X_{21\_129} + \\
& X_{22\_129} + X_{23\_129} = 1; \\
& [_{131}] X_{1\_130} + X_{2\_130} + X_{3\_130} + X_{4\_130} + X_{5\_130} + X_{6\_130} + \\
& X_{7\_130} + \\
& X_{8\_130} + X_{9\_130} + X_{10\_130} + X_{11\_130} + X_{12\_130} + X_{13\_130} + \\
& X_{14\_130} + \\
& X_{15\_130} + X_{16\_130} + X_{17\_130} + X_{18\_130} + X_{19\_130} + X_{20\_130} + \\
& X_{21\_130} + \\
& X_{22\_130} + X_{23\_130} = 1; \\
& [_{132}] X_{1\_131} + X_{2\_131} + X_{3\_131} + X_{4\_131} + X_{5\_131} + X_{6\_131} + \\
& X_{7\_131} + \\
& X_{8\_131} + X_{9\_131} + X_{10\_131} + X_{11\_131} + X_{12\_131} + X_{13\_131} + \\
& X_{14\_131} + \\
& X_{15\_131} + X_{16\_131} + X_{17\_131} + X_{18\_131} + X_{19\_131} + X_{20\_131} + \\
& X_{21\_131} + \\
& X_{22\_131} + X_{23\_131} = 1; \\
& [_{133}] X_{1\_132} + X_{2\_132} + X_{3\_132} + X_{4\_132} + X_{5\_132} + X_{6\_132} + \\
& X_{7\_132} + \\
& X_{8\_132} + X_{9\_132} + X_{10\_132} + X_{11\_132} + X_{12\_132} + X_{13\_132} + \\
& X_{14\_132} + \\
& X_{15\_132} + X_{16\_132} + X_{17\_132} + X_{18\_132} + X_{19\_132} + X_{20\_132} + \\
& X_{21\_132} + \\
& X_{22\_132} + X_{23\_132} = 1; \\
& [_{134}] X_{1\_133} + X_{2\_133} + X_{3\_133} + X_{4\_133} + X_{5\_133} + X_{6\_133} + \\
& X_{7\_133} + \\
& X_{8\_133} + X_{9\_133} + X_{10\_133} + X_{11\_133} + X_{12\_133} + X_{13\_133} + \\
& X_{14\_133} + \\
& X_{15\_133} + X_{16\_133} + X_{17\_133} + X_{18\_133} + X_{19\_133} + X_{20\_133} + \\
& X_{21\_133} + \\
& X_{22\_133} + X_{23\_133} = 1; \\
& [_{135}] X_{1\_134} + X_{2\_134} + X_{3\_134} + X_{4\_134} + X_{5\_134} + X_{6\_134} + \\
& X_{7\_134} + \\
& X_{8\_134} + X_{9\_134} + X_{10\_134} + X_{11\_134} + X_{12\_134} + X_{13\_134} + \\
& X_{14\_134} +
\end{aligned}$$

$$\begin{aligned}
& X_{15\_134} + X_{16\_134} + X_{17\_134} + X_{18\_134} + X_{19\_134} + X_{20\_134} + \\
& X_{21\_134} + \\
& X_{22\_134} + X_{23\_134} = 1; \\
& [_{136}] X_{1\_135} + X_{2\_135} + X_{3\_135} + X_{4\_135} + X_{5\_135} + X_{6\_135} + \\
& X_{7\_135} + \\
& X_{8\_135} + X_{9\_135} + X_{10\_135} + X_{11\_135} + X_{12\_135} + X_{13\_135} + \\
& X_{14\_135} + \\
& X_{15\_135} + X_{16\_135} + X_{17\_135} + X_{18\_135} + X_{19\_135} + X_{20\_135} + \\
& X_{21\_135} + \\
& X_{22\_135} + X_{23\_135} = 1; \\
& [_{137}] X_{1\_136} + X_{2\_136} + X_{3\_136} + X_{4\_136} + X_{5\_136} + X_{6\_136} + \\
& X_{7\_136} + \\
& X_{8\_136} + X_{9\_136} + X_{10\_136} + X_{11\_136} + X_{12\_136} + X_{13\_136} + \\
& X_{14\_136} + \\
& X_{15\_136} + X_{16\_136} + X_{17\_136} + X_{18\_136} + X_{19\_136} + X_{20\_136} + \\
& X_{21\_136} + \\
& X_{22\_136} + X_{23\_136} = 1; \\
& [_{138}] X_{1\_137} + X_{2\_137} + X_{3\_137} + X_{4\_137} + X_{5\_137} + X_{6\_137} + \\
& X_{7\_137} + \\
& X_{8\_137} + X_{9\_137} + X_{10\_137} + X_{11\_137} + X_{12\_137} + X_{13\_137} + \\
& X_{14\_137} + \\
& X_{15\_137} + X_{16\_137} + X_{17\_137} + X_{18\_137} + X_{19\_137} + X_{20\_137} + \\
& X_{21\_137} + \\
& X_{22\_137} + X_{23\_137} = 1; \\
& [_{139}] X_{1\_138} + X_{2\_138} + X_{3\_138} + X_{4\_138} + X_{5\_138} + X_{6\_138} + \\
& X_{7\_138} + \\
& X_{8\_138} + X_{9\_138} + X_{10\_138} + X_{11\_138} + X_{12\_138} + X_{13\_138} + \\
& X_{14\_138} + \\
& X_{15\_138} + X_{16\_138} + X_{17\_138} + X_{18\_138} + X_{19\_138} + X_{20\_138} + \\
& X_{21\_138} + \\
& X_{22\_138} + X_{23\_138} = 1; \\
& [_{140}] X_{1\_139} + X_{2\_139} + X_{3\_139} + X_{4\_139} + X_{5\_139} + X_{6\_139} + \\
& X_{7\_139} + \\
& X_{8\_139} + X_{9\_139} + X_{10\_139} + X_{11\_139} + X_{12\_139} + X_{13\_139} + \\
& X_{14\_139} + \\
& X_{15\_139} + X_{16\_139} + X_{17\_139} + X_{18\_139} + X_{19\_139} + X_{20\_139} + \\
& X_{21\_139} + \\
& X_{22\_139} + X_{23\_139} = 1; \\
& [_{141}] X_{1\_140} + X_{2\_140} + X_{3\_140} + X_{4\_140} + X_{5\_140} + X_{6\_140} + \\
& X_{7\_140} + \\
& X_{8\_140} + X_{9\_140} + X_{10\_140} + X_{11\_140} + X_{12\_140} + X_{13\_140} + \\
& X_{14\_140} + \\
& X_{15\_140} + X_{16\_140} + X_{17\_140} + X_{18\_140} + X_{19\_140} + X_{20\_140} + \\
& X_{21\_140} + \\
& X_{22\_140} + X_{23\_140} = 1; \\
& [_{142}] X_{1\_141} + X_{2\_141} + X_{3\_141} + X_{4\_141} + X_{5\_141} + X_{6\_141} + \\
& X_{7\_141} + \\
& X_{8\_141} + X_{9\_141} + X_{10\_141} + X_{11\_141} + X_{12\_141} + X_{13\_141} + \\
& X_{14\_141} + \\
& X_{15\_141} + X_{16\_141} + X_{17\_141} + X_{18\_141} + X_{19\_141} + X_{20\_141} + \\
& X_{21\_141} + \\
& X_{22\_141} + X_{23\_141} = 1; \\
& [_{143}] X_{1\_142} + X_{2\_142} + X_{3\_142} + X_{4\_142} + X_{5\_142} + X_{6\_142} + \\
& X_{7\_142} + \\
& X_{8\_142} + X_{9\_142} + X_{10\_142} + X_{11\_142} + X_{12\_142} + X_{13\_142} + \\
& X_{14\_142} +
\end{aligned}$$



$$\begin{aligned}
& X_{15\_142} + X_{16\_142} + X_{17\_142} + X_{18\_142} + X_{19\_142} + X_{20\_142} + \\
& X_{21\_142} + \\
& X_{22\_142} + X_{23\_142} = 1; \\
& [_{144}] X_{1\_143} + X_{2\_143} + X_{3\_143} + X_{4\_143} + X_{5\_143} + X_{6\_143} + \\
& X_{7\_143} + \\
& X_{8\_143} + X_{9\_143} + X_{10\_143} + X_{11\_143} + X_{12\_143} + X_{13\_143} + \\
& X_{14\_143} + \\
& X_{15\_143} + X_{16\_143} + X_{17\_143} + X_{18\_143} + X_{19\_143} + X_{20\_143} + \\
& X_{21\_143} + \\
& X_{22\_143} + X_{23\_143} = 1; \\
& [_{145}] X_{1\_144} + X_{2\_144} + X_{3\_144} + X_{4\_144} + X_{5\_144} + X_{6\_144} + \\
& X_{7\_144} + \\
& X_{8\_144} + X_{9\_144} + X_{10\_144} + X_{11\_144} + X_{12\_144} + X_{13\_144} + \\
& X_{14\_144} + \\
& X_{15\_144} + X_{16\_144} + X_{17\_144} + X_{18\_144} + X_{19\_144} + X_{20\_144} + \\
& X_{21\_144} + \\
& X_{22\_144} + X_{23\_144} = 1; \\
& [_{146}] X_{1\_145} + X_{2\_145} + X_{3\_145} + X_{4\_145} + X_{5\_145} + X_{6\_145} + \\
& X_{7\_145} + \\
& X_{8\_145} + X_{9\_145} + X_{10\_145} + X_{11\_145} + X_{12\_145} + X_{13\_145} + \\
& X_{14\_145} + \\
& X_{15\_145} + X_{16\_145} + X_{17\_145} + X_{18\_145} + X_{19\_145} + X_{20\_145} + \\
& X_{21\_145} + \\
& X_{22\_145} + X_{23\_145} = 1; \\
& [_{147}] X_{1\_146} + X_{2\_146} + X_{3\_146} + X_{4\_146} + X_{5\_146} + X_{6\_146} + \\
& X_{7\_146} + \\
& X_{8\_146} + X_{9\_146} + X_{10\_146} + X_{11\_146} + X_{12\_146} + X_{13\_146} + \\
& X_{14\_146} + \\
& X_{15\_146} + X_{16\_146} + X_{17\_146} + X_{18\_146} + X_{19\_146} + X_{20\_146} + \\
& X_{21\_146} + \\
& X_{22\_146} + X_{23\_146} = 1; \\
& [_{148}] X_{1\_147} + X_{2\_147} + X_{3\_147} + X_{4\_147} + X_{5\_147} + X_{6\_147} + \\
& X_{7\_147} + \\
& X_{8\_147} + X_{9\_147} + X_{10\_147} + X_{11\_147} + X_{12\_147} + X_{13\_147} + \\
& X_{14\_147} + \\
& X_{15\_147} + X_{16\_147} + X_{17\_147} + X_{18\_147} + X_{19\_147} + X_{20\_147} + \\
& X_{21\_147} + \\
& X_{22\_147} + X_{23\_147} = 1; \\
& [_{149}] X_{1\_148} + X_{2\_148} + X_{3\_148} + X_{4\_148} + X_{5\_148} + X_{6\_148} + \\
& X_{7\_148} + \\
& X_{8\_148} + X_{9\_148} + X_{10\_148} + X_{11\_148} + X_{12\_148} + X_{13\_148} + \\
& X_{14\_148} + \\
& X_{15\_148} + X_{16\_148} + X_{17\_148} + X_{18\_148} + X_{19\_148} + X_{20\_148} + \\
& X_{21\_148} + \\
& X_{22\_148} + X_{23\_148} = 1; \\
& [_{150}] X_{1\_149} + X_{2\_149} + X_{3\_149} + X_{4\_149} + X_{5\_149} + X_{6\_149} + \\
& X_{7\_149} + \\
& X_{8\_149} + X_{9\_149} + X_{10\_149} + X_{11\_149} + X_{12\_149} + X_{13\_149} + \\
& X_{14\_149} + \\
& X_{15\_149} + X_{16\_149} + X_{17\_149} + X_{18\_149} + X_{19\_149} + X_{20\_149} + \\
& X_{21\_149} + \\
& X_{22\_149} + X_{23\_149} = 1; \\
& [_{151}] X_{1\_150} + X_{2\_150} + X_{3\_150} + X_{4\_150} + X_{5\_150} + X_{6\_150} + \\
& X_{7\_150} + \\
& X_{8\_150} + X_{9\_150} + X_{10\_150} + X_{11\_150} + X_{12\_150} + X_{13\_150} + \\
& X_{14\_150} +
\end{aligned}$$

$X_{15\_150} + X_{16\_150} + X_{17\_150} + X_{18\_150} + X_{19\_150} + X_{20\_150} + X_{21\_150} + X_{22\_150} + X_{23\_150} = 1;$   
 [\_152]  $X_{1\_151} + X_{2\_151} + X_{3\_151} + X_{4\_151} + X_{5\_151} + X_{6\_151} + X_{7\_151} + X_{8\_151} + X_{9\_151} + X_{10\_151} + X_{11\_151} + X_{12\_151} + X_{13\_151} + X_{14\_151} + X_{15\_151} + X_{16\_151} + X_{17\_151} + X_{18\_151} + X_{19\_151} + X_{20\_151} + X_{21\_151} + X_{22\_151} + X_{23\_151} = 1;$   
 [\_153]  $X_{1\_152} + X_{2\_152} + X_{3\_152} + X_{4\_152} + X_{5\_152} + X_{6\_152} + X_{7\_152} + X_{8\_152} + X_{9\_152} + X_{10\_152} + X_{11\_152} + X_{12\_152} + X_{13\_152} + X_{14\_152} + X_{15\_152} + X_{16\_152} + X_{17\_152} + X_{18\_152} + X_{19\_152} + X_{20\_152} + X_{21\_152} + X_{22\_152} + X_{23\_152} = 1;$   
 [\_154]  $X_{1\_153} + X_{2\_153} + X_{3\_153} + X_{4\_153} + X_{5\_153} + X_{6\_153} + X_{7\_153} + X_{8\_153} + X_{9\_153} + X_{10\_153} + X_{11\_153} + X_{12\_153} + X_{13\_153} + X_{14\_153} + X_{15\_153} + X_{16\_153} + X_{17\_153} + X_{18\_153} + X_{19\_153} + X_{20\_153} + X_{21\_153} + X_{22\_153} + X_{23\_153} = 1;$   
 [\_155]  $X_{1\_154} + X_{2\_154} + X_{3\_154} + X_{4\_154} + X_{5\_154} + X_{6\_154} + X_{7\_154} + X_{8\_154} + X_{9\_154} + X_{10\_154} + X_{11\_154} + X_{12\_154} + X_{13\_154} + X_{14\_154} + X_{15\_154} + X_{16\_154} + X_{17\_154} + X_{18\_154} + X_{19\_154} + X_{20\_154} + X_{21\_154} + X_{22\_154} + X_{23\_154} = 1;$   
 [\_156]  $X_{1\_155} + X_{2\_155} + X_{3\_155} + X_{4\_155} + X_{5\_155} + X_{6\_155} + X_{7\_155} + X_{8\_155} + X_{9\_155} + X_{10\_155} + X_{11\_155} + X_{12\_155} + X_{13\_155} + X_{14\_155} + X_{15\_155} + X_{16\_155} + X_{17\_155} + X_{18\_155} + X_{19\_155} + X_{20\_155} + X_{21\_155} + X_{22\_155} + X_{23\_155} = 1;$   
 [\_157]  $X_{1\_156} + X_{2\_156} + X_{3\_156} + X_{4\_156} + X_{5\_156} + X_{6\_156} + X_{7\_156} + X_{8\_156} + X_{9\_156} + X_{10\_156} + X_{11\_156} + X_{12\_156} + X_{13\_156} + X_{14\_156} + X_{15\_156} + X_{16\_156} + X_{17\_156} + X_{18\_156} + X_{19\_156} + X_{20\_156} + X_{21\_156} + X_{22\_156} + X_{23\_156} = 1;$   
 [\_158]  $X_{1\_157} + X_{2\_157} + X_{3\_157} + X_{4\_157} + X_{5\_157} + X_{6\_157} + X_{7\_157} + X_{8\_157} + X_{9\_157} + X_{10\_157} + X_{11\_157} + X_{12\_157} + X_{13\_157} + X_{14\_157} + X_{15\_157} + X_{16\_157} + X_{17\_157} + X_{18\_157} + X_{19\_157} + X_{20\_157} + X_{21\_157} + X_{22\_157} + X_{23\_157} = 1;$   
 [\_159]  $X_{1\_158} + X_{2\_158} + X_{3\_158} + X_{4\_158} + X_{5\_158} + X_{6\_158} + X_{7\_158} + X_{8\_158} + X_{9\_158} + X_{10\_158} + X_{11\_158} + X_{12\_158} + X_{13\_158} + X_{14\_158} +$

$X_{15\_158} + X_{16\_158} + X_{17\_158} + X_{18\_158} + X_{19\_158} + X_{20\_158} + X_{21\_158} + X_{22\_158} + X_{23\_158} = 1;$   
 [\_160]  $X_{1\_159} + X_{2\_159} + X_{3\_159} + X_{4\_159} + X_{5\_159} + X_{6\_159} + X_{7\_159} + X_{8\_159} + X_{9\_159} + X_{10\_159} + X_{11\_159} + X_{12\_159} + X_{13\_159} + X_{14\_159} + X_{15\_159} + X_{16\_159} + X_{17\_159} + X_{18\_159} + X_{19\_159} + X_{20\_159} + X_{21\_159} + X_{22\_159} + X_{23\_159} = 1;$   
 [\_161]  $X_{1\_160} + X_{2\_160} + X_{3\_160} + X_{4\_160} + X_{5\_160} + X_{6\_160} + X_{7\_160} + X_{8\_160} + X_{9\_160} + X_{10\_160} + X_{11\_160} + X_{12\_160} + X_{13\_160} + X_{14\_160} + X_{15\_160} + X_{16\_160} + X_{17\_160} + X_{18\_160} + X_{19\_160} + X_{20\_160} + X_{21\_160} + X_{22\_160} + X_{23\_160} = 1;$   
 [\_162]  $X_{1\_161} + X_{2\_161} + X_{3\_161} + X_{4\_161} + X_{5\_161} + X_{6\_161} + X_{7\_161} + X_{8\_161} + X_{9\_161} + X_{10\_161} + X_{11\_161} + X_{12\_161} + X_{13\_161} + X_{14\_161} + X_{15\_161} + X_{16\_161} + X_{17\_161} + X_{18\_161} + X_{19\_161} + X_{20\_161} + X_{21\_161} + X_{22\_161} + X_{23\_161} = 1;$   
 [\_163]  $X_{1\_162} + X_{2\_162} + X_{3\_162} + X_{4\_162} + X_{5\_162} + X_{6\_162} + X_{7\_162} + X_{8\_162} + X_{9\_162} + X_{10\_162} + X_{11\_162} + X_{12\_162} + X_{13\_162} + X_{14\_162} + X_{15\_162} + X_{16\_162} + X_{17\_162} + X_{18\_162} + X_{19\_162} + X_{20\_162} + X_{21\_162} + X_{22\_162} + X_{23\_162} = 1;$   
 [\_164]  $X_{1\_163} + X_{2\_163} + X_{3\_163} + X_{4\_163} + X_{5\_163} + X_{6\_163} + X_{7\_163} + X_{8\_163} + X_{9\_163} + X_{10\_163} + X_{11\_163} + X_{12\_163} + X_{13\_163} + X_{14\_163} + X_{15\_163} + X_{16\_163} + X_{17\_163} + X_{18\_163} + X_{19\_163} + X_{20\_163} + X_{21\_163} + X_{22\_163} + X_{23\_163} = 1;$   
 [\_165]  $X_{1\_164} + X_{2\_164} + X_{3\_164} + X_{4\_164} + X_{5\_164} + X_{6\_164} + X_{7\_164} + X_{8\_164} + X_{9\_164} + X_{10\_164} + X_{11\_164} + X_{12\_164} + X_{13\_164} + X_{14\_164} + X_{15\_164} + X_{16\_164} + X_{17\_164} + X_{18\_164} + X_{19\_164} + X_{20\_164} + X_{21\_164} + X_{22\_164} + X_{23\_164} = 1;$   
 [\_166]  $X_{1\_165} + X_{2\_165} + X_{3\_165} + X_{4\_165} + X_{5\_165} + X_{6\_165} + X_{7\_165} + X_{8\_165} + X_{9\_165} + X_{10\_165} + X_{11\_165} + X_{12\_165} + X_{13\_165} + X_{14\_165} + X_{15\_165} + X_{16\_165} + X_{17\_165} + X_{18\_165} + X_{19\_165} + X_{20\_165} + X_{21\_165} + X_{22\_165} + X_{23\_165} = 1;$   
 [\_167]  $X_{1\_166} + X_{2\_166} + X_{3\_166} + X_{4\_166} + X_{5\_166} + X_{6\_166} + X_{7\_166} + X_{8\_166} + X_{9\_166} + X_{10\_166} + X_{11\_166} + X_{12\_166} + X_{13\_166} + X_{14\_166} +$

$$\begin{aligned}
& X_{15\_166} + X_{16\_166} + X_{17\_166} + X_{18\_166} + X_{19\_166} + X_{20\_166} + \\
& X_{21\_166} + \\
& X_{22\_166} + X_{23\_166} = 1; \\
& [_{168}] X_{1\_167} + X_{2\_167} + X_{3\_167} + X_{4\_167} + X_{5\_167} + X_{6\_167} + \\
& X_{7\_167} + \\
& X_{8\_167} + X_{9\_167} + X_{10\_167} + X_{11\_167} + X_{12\_167} + X_{13\_167} + \\
& X_{14\_167} + \\
& X_{15\_167} + X_{16\_167} + X_{17\_167} + X_{18\_167} + X_{19\_167} + X_{20\_167} + \\
& X_{21\_167} + \\
& X_{22\_167} + X_{23\_167} = 1; \\
& [_{169}] X_{1\_168} + X_{2\_168} + X_{3\_168} + X_{4\_168} + X_{5\_168} + X_{6\_168} + \\
& X_{7\_168} + \\
& X_{8\_168} + X_{9\_168} + X_{10\_168} + X_{11\_168} + X_{12\_168} + X_{13\_168} + \\
& X_{14\_168} + \\
& X_{15\_168} + X_{16\_168} + X_{17\_168} + X_{18\_168} + X_{19\_168} + X_{20\_168} + \\
& X_{21\_168} + \\
& X_{22\_168} + X_{23\_168} = 1; \\
& [_{170}] X_{1\_169} + X_{2\_169} + X_{3\_169} + X_{4\_169} + X_{5\_169} + X_{6\_169} + \\
& X_{7\_169} + \\
& X_{8\_169} + X_{9\_169} + X_{10\_169} + X_{11\_169} + X_{12\_169} + X_{13\_169} + \\
& X_{14\_169} + \\
& X_{15\_169} + X_{16\_169} + X_{17\_169} + X_{18\_169} + X_{19\_169} + X_{20\_169} + \\
& X_{21\_169} + \\
& X_{22\_169} + X_{23\_169} = 1; \\
& [_{171}] X_{1\_170} + X_{2\_170} + X_{3\_170} + X_{4\_170} + X_{5\_170} + X_{6\_170} + \\
& X_{7\_170} + \\
& X_{8\_170} + X_{9\_170} + X_{10\_170} + X_{11\_170} + X_{12\_170} + X_{13\_170} + \\
& X_{14\_170} + \\
& X_{15\_170} + X_{16\_170} + X_{17\_170} + X_{18\_170} + X_{19\_170} + X_{20\_170} + \\
& X_{21\_170} + \\
& X_{22\_170} + X_{23\_170} = 1; \\
& [_{172}] X_{1\_171} + X_{2\_171} + X_{3\_171} + X_{4\_171} + X_{5\_171} + X_{6\_171} + \\
& X_{7\_171} + \\
& X_{8\_171} + X_{9\_171} + X_{10\_171} + X_{11\_171} + X_{12\_171} + X_{13\_171} + \\
& X_{14\_171} + \\
& X_{15\_171} + X_{16\_171} + X_{17\_171} + X_{18\_171} + X_{19\_171} + X_{20\_171} + \\
& X_{21\_171} + \\
& X_{22\_171} + X_{23\_171} = 1; \\
& [_{173}] X_{1\_172} + X_{2\_172} + X_{3\_172} + X_{4\_172} + X_{5\_172} + X_{6\_172} + \\
& X_{7\_172} + \\
& X_{8\_172} + X_{9\_172} + X_{10\_172} + X_{11\_172} + X_{12\_172} + X_{13\_172} + \\
& X_{14\_172} + \\
& X_{15\_172} + X_{16\_172} + X_{17\_172} + X_{18\_172} + X_{19\_172} + X_{20\_172} + \\
& X_{21\_172} + \\
& X_{22\_172} + X_{23\_172} = 1; \\
& [_{174}] X_{1\_173} + X_{2\_173} + X_{3\_173} + X_{4\_173} + X_{5\_173} + X_{6\_173} + \\
& X_{7\_173} + \\
& X_{8\_173} + X_{9\_173} + X_{10\_173} + X_{11\_173} + X_{12\_173} + X_{13\_173} + \\
& X_{14\_173} + \\
& X_{15\_173} + X_{16\_173} + X_{17\_173} + X_{18\_173} + X_{19\_173} + X_{20\_173} + \\
& X_{21\_173} + \\
& X_{22\_173} + X_{23\_173} = 1; \\
& [_{175}] X_{1\_174} + X_{2\_174} + X_{3\_174} + X_{4\_174} + X_{5\_174} + X_{6\_174} + \\
& X_{7\_174} + \\
& X_{8\_174} + X_{9\_174} + X_{10\_174} + X_{11\_174} + X_{12\_174} + X_{13\_174} + \\
& X_{14\_174} +
\end{aligned}$$

$X_{15\_174} + X_{16\_174} + X_{17\_174} + X_{18\_174} + X_{19\_174} + X_{20\_174} + X_{21\_174} + X_{22\_174} + X_{23\_174} = 1;$   
 [\_176]  $X_{1\_175} + X_{2\_175} + X_{3\_175} + X_{4\_175} + X_{5\_175} + X_{6\_175} + X_{7\_175} + X_{8\_175} + X_{9\_175} + X_{10\_175} + X_{11\_175} + X_{12\_175} + X_{13\_175} + X_{14\_175} + X_{15\_175} + X_{16\_175} + X_{17\_175} + X_{18\_175} + X_{19\_175} + X_{20\_175} + X_{21\_175} + X_{22\_175} + X_{23\_175} = 1;$   
 [\_177]  $X_{1\_176} + X_{2\_176} + X_{3\_176} + X_{4\_176} + X_{5\_176} + X_{6\_176} + X_{7\_176} + X_{8\_176} + X_{9\_176} + X_{10\_176} + X_{11\_176} + X_{12\_176} + X_{13\_176} + X_{14\_176} + X_{15\_176} + X_{16\_176} + X_{17\_176} + X_{18\_176} + X_{19\_176} + X_{20\_176} + X_{21\_176} + X_{22\_176} + X_{23\_176} = 1;$   
 [\_178]  $X_{1\_177} + X_{2\_177} + X_{3\_177} + X_{4\_177} + X_{5\_177} + X_{6\_177} + X_{7\_177} + X_{8\_177} + X_{9\_177} + X_{10\_177} + X_{11\_177} + X_{12\_177} + X_{13\_177} + X_{14\_177} + X_{15\_177} + X_{16\_177} + X_{17\_177} + X_{18\_177} + X_{19\_177} + X_{20\_177} + X_{21\_177} + X_{22\_177} + X_{23\_177} = 1;$   
 [\_179]  $X_{1\_178} + X_{2\_178} + X_{3\_178} + X_{4\_178} + X_{5\_178} + X_{6\_178} + X_{7\_178} + X_{8\_178} + X_{9\_178} + X_{10\_178} + X_{11\_178} + X_{12\_178} + X_{13\_178} + X_{14\_178} + X_{15\_178} + X_{16\_178} + X_{17\_178} + X_{18\_178} + X_{19\_178} + X_{20\_178} + X_{21\_178} + X_{22\_178} + X_{23\_178} = 1;$   
 [\_180]  $X_{1\_179} + X_{2\_179} + X_{3\_179} + X_{4\_179} + X_{5\_179} + X_{6\_179} + X_{7\_179} + X_{8\_179} + X_{9\_179} + X_{10\_179} + X_{11\_179} + X_{12\_179} + X_{13\_179} + X_{14\_179} + X_{15\_179} + X_{16\_179} + X_{17\_179} + X_{18\_179} + X_{19\_179} + X_{20\_179} + X_{21\_179} + X_{22\_179} + X_{23\_179} = 1;$   
 [\_181]  $X_{1\_180} + X_{2\_180} + X_{3\_180} + X_{4\_180} + X_{5\_180} + X_{6\_180} + X_{7\_180} + X_{8\_180} + X_{9\_180} + X_{10\_180} + X_{11\_180} + X_{12\_180} + X_{13\_180} + X_{14\_180} + X_{15\_180} + X_{16\_180} + X_{17\_180} + X_{18\_180} + X_{19\_180} + X_{20\_180} + X_{21\_180} + X_{22\_180} + X_{23\_180} = 1;$   
 [\_182]  $X_{1\_181} + X_{2\_181} + X_{3\_181} + X_{4\_181} + X_{5\_181} + X_{6\_181} + X_{7\_181} + X_{8\_181} + X_{9\_181} + X_{10\_181} + X_{11\_181} + X_{12\_181} + X_{13\_181} + X_{14\_181} + X_{15\_181} + X_{16\_181} + X_{17\_181} + X_{18\_181} + X_{19\_181} + X_{20\_181} + X_{21\_181} + X_{22\_181} + X_{23\_181} = 1;$   
 [\_183]  $X_{1\_182} + X_{2\_182} + X_{3\_182} + X_{4\_182} + X_{5\_182} + X_{6\_182} + X_{7\_182} + X_{8\_182} + X_{9\_182} + X_{10\_182} + X_{11\_182} + X_{12\_182} + X_{13\_182} + X_{14\_182} +$

$X_{15\_182} + X_{16\_182} + X_{17\_182} + X_{18\_182} + X_{19\_182} + X_{20\_182} + X_{21\_182} + X_{22\_182} + X_{23\_182} = 1;$   
 [\_184]  $X_{1\_183} + X_{2\_183} + X_{3\_183} + X_{4\_183} + X_{5\_183} + X_{6\_183} + X_{7\_183} + X_{8\_183} + X_{9\_183} + X_{10\_183} + X_{11\_183} + X_{12\_183} + X_{13\_183} + X_{14\_183} + X_{15\_183} + X_{16\_183} + X_{17\_183} + X_{18\_183} + X_{19\_183} + X_{20\_183} + X_{21\_183} + X_{22\_183} + X_{23\_183} = 1;$   
 [\_185]  $X_{1\_184} + X_{2\_184} + X_{3\_184} + X_{4\_184} + X_{5\_184} + X_{6\_184} + X_{7\_184} + X_{8\_184} + X_{9\_184} + X_{10\_184} + X_{11\_184} + X_{12\_184} + X_{13\_184} + X_{14\_184} + X_{15\_184} + X_{16\_184} + X_{17\_184} + X_{18\_184} + X_{19\_184} + X_{20\_184} + X_{21\_184} + X_{22\_184} + X_{23\_184} = 1;$   
 [\_186]  $X_{1\_185} + X_{2\_185} + X_{3\_185} + X_{4\_185} + X_{5\_185} + X_{6\_185} + X_{7\_185} + X_{8\_185} + X_{9\_185} + X_{10\_185} + X_{11\_185} + X_{12\_185} + X_{13\_185} + X_{14\_185} + X_{15\_185} + X_{16\_185} + X_{17\_185} + X_{18\_185} + X_{19\_185} + X_{20\_185} + X_{21\_185} + X_{22\_185} + X_{23\_185} = 1;$   
 [\_187]  $X_{1\_186} + X_{2\_186} + X_{3\_186} + X_{4\_186} + X_{5\_186} + X_{6\_186} + X_{7\_186} + X_{8\_186} + X_{9\_186} + X_{10\_186} + X_{11\_186} + X_{12\_186} + X_{13\_186} + X_{14\_186} + X_{15\_186} + X_{16\_186} + X_{17\_186} + X_{18\_186} + X_{19\_186} + X_{20\_186} + X_{21\_186} + X_{22\_186} + X_{23\_186} = 1;$   
 [\_188]  $X_{1\_187} + X_{2\_187} + X_{3\_187} + X_{4\_187} + X_{5\_187} + X_{6\_187} + X_{7\_187} + X_{8\_187} + X_{9\_187} + X_{10\_187} + X_{11\_187} + X_{12\_187} + X_{13\_187} + X_{14\_187} + X_{15\_187} + X_{16\_187} + X_{17\_187} + X_{18\_187} + X_{19\_187} + X_{20\_187} + X_{21\_187} + X_{22\_187} + X_{23\_187} = 1;$   
 [\_189]  $X_{1\_188} + X_{2\_188} + X_{3\_188} + X_{4\_188} + X_{5\_188} + X_{6\_188} + X_{7\_188} + X_{8\_188} + X_{9\_188} + X_{10\_188} + X_{11\_188} + X_{12\_188} + X_{13\_188} + X_{14\_188} + X_{15\_188} + X_{16\_188} + X_{17\_188} + X_{18\_188} + X_{19\_188} + X_{20\_188} + X_{21\_188} + X_{22\_188} + X_{23\_188} = 1;$   
 [\_190]  $X_{1\_189} + X_{2\_189} + X_{3\_189} + X_{4\_189} + X_{5\_189} + X_{6\_189} + X_{7\_189} + X_{8\_189} + X_{9\_189} + X_{10\_189} + X_{11\_189} + X_{12\_189} + X_{13\_189} + X_{14\_189} + X_{15\_189} + X_{16\_189} + X_{17\_189} + X_{18\_189} + X_{19\_189} + X_{20\_189} + X_{21\_189} + X_{22\_189} + X_{23\_189} = 1;$   
 [\_191]  $X_{1\_190} + X_{2\_190} + X_{3\_190} + X_{4\_190} + X_{5\_190} + X_{6\_190} + X_{7\_190} + X_{8\_190} + X_{9\_190} + X_{10\_190} + X_{11\_190} + X_{12\_190} + X_{13\_190} + X_{14\_190} +$

$$\begin{aligned}
& X_{15\_190} + X_{16\_190} + X_{17\_190} + X_{18\_190} + X_{19\_190} + X_{20\_190} + \\
& X_{21\_190} + \\
& X_{22\_190} + X_{23\_190} = 1; \\
& [_{192}] X_{1\_191} + X_{2\_191} + X_{3\_191} + X_{4\_191} + X_{5\_191} + X_{6\_191} + \\
& X_{7\_191} + \\
& X_{8\_191} + X_{9\_191} + X_{10\_191} + X_{11\_191} + X_{12\_191} + X_{13\_191} + \\
& X_{14\_191} + \\
& X_{15\_191} + X_{16\_191} + X_{17\_191} + X_{18\_191} + X_{19\_191} + X_{20\_191} + \\
& X_{21\_191} + \\
& X_{22\_191} + X_{23\_191} = 1; \\
& [_{193}] X_{1\_192} + X_{2\_192} + X_{3\_192} + X_{4\_192} + X_{5\_192} + X_{6\_192} + \\
& X_{7\_192} + \\
& X_{8\_192} + X_{9\_192} + X_{10\_192} + X_{11\_192} + X_{12\_192} + X_{13\_192} + \\
& X_{14\_192} + \\
& X_{15\_192} + X_{16\_192} + X_{17\_192} + X_{18\_192} + X_{19\_192} + X_{20\_192} + \\
& X_{21\_192} + \\
& X_{22\_192} + X_{23\_192} = 1; \\
& [_{194}] X_{1\_193} + X_{2\_193} + X_{3\_193} + X_{4\_193} + X_{5\_193} + X_{6\_193} + \\
& X_{7\_193} + \\
& X_{8\_193} + X_{9\_193} + X_{10\_193} + X_{11\_193} + X_{12\_193} + X_{13\_193} + \\
& X_{14\_193} + \\
& X_{15\_193} + X_{16\_193} + X_{17\_193} + X_{18\_193} + X_{19\_193} + X_{20\_193} + \\
& X_{21\_193} + \\
& X_{22\_193} + X_{23\_193} = 1; \\
& [_{195}] X_{1\_194} + X_{2\_194} + X_{3\_194} + X_{4\_194} + X_{5\_194} + X_{6\_194} + \\
& X_{7\_194} + \\
& X_{8\_194} + X_{9\_194} + X_{10\_194} + X_{11\_194} + X_{12\_194} + X_{13\_194} + \\
& X_{14\_194} + \\
& X_{15\_194} + X_{16\_194} + X_{17\_194} + X_{18\_194} + X_{19\_194} + X_{20\_194} + \\
& X_{21\_194} + \\
& X_{22\_194} + X_{23\_194} = 1; \\
& [_{196}] X_{1\_195} + X_{2\_195} + X_{3\_195} + X_{4\_195} + X_{5\_195} + X_{6\_195} + \\
& X_{7\_195} + \\
& X_{8\_195} + X_{9\_195} + X_{10\_195} + X_{11\_195} + X_{12\_195} + X_{13\_195} + \\
& X_{14\_195} + \\
& X_{15\_195} + X_{16\_195} + X_{17\_195} + X_{18\_195} + X_{19\_195} + X_{20\_195} + \\
& X_{21\_195} + \\
& X_{22\_195} + X_{23\_195} = 1; \\
& [_{197}] X_{1\_196} + X_{2\_196} + X_{3\_196} + X_{4\_196} + X_{5\_196} + X_{6\_196} + \\
& X_{7\_196} + \\
& X_{8\_196} + X_{9\_196} + X_{10\_196} + X_{11\_196} + X_{12\_196} + X_{13\_196} + \\
& X_{14\_196} + \\
& X_{15\_196} + X_{16\_196} + X_{17\_196} + X_{18\_196} + X_{19\_196} + X_{20\_196} + \\
& X_{21\_196} + \\
& X_{22\_196} + X_{23\_196} = 1; \\
& [_{198}] X_{1\_197} + X_{2\_197} + X_{3\_197} + X_{4\_197} + X_{5\_197} + X_{6\_197} + \\
& X_{7\_197} + \\
& X_{8\_197} + X_{9\_197} + X_{10\_197} + X_{11\_197} + X_{12\_197} + X_{13\_197} + \\
& X_{14\_197} + \\
& X_{15\_197} + X_{16\_197} + X_{17\_197} + X_{18\_197} + X_{19\_197} + X_{20\_197} + \\
& X_{21\_197} + \\
& X_{22\_197} + X_{23\_197} = 1; \\
& [_{199}] X_{1\_198} + X_{2\_198} + X_{3\_198} + X_{4\_198} + X_{5\_198} + X_{6\_198} + \\
& X_{7\_198} + \\
& X_{8\_198} + X_{9\_198} + X_{10\_198} + X_{11\_198} + X_{12\_198} + X_{13\_198} + \\
& X_{14\_198} +
\end{aligned}$$

$$\begin{aligned}
& X_{15\_198} + X_{16\_198} + X_{17\_198} + X_{18\_198} + X_{19\_198} + X_{20\_198} + \\
& X_{21\_198} + \\
& X_{22\_198} + X_{23\_198} = 1; \\
& [_{200}] X_{1\_199} + X_{2\_199} + X_{3\_199} + X_{4\_199} + X_{5\_199} + X_{6\_199} + \\
& X_{7\_199} + \\
& X_{8\_199} + X_{9\_199} + X_{10\_199} + X_{11\_199} + X_{12\_199} + X_{13\_199} + \\
& X_{14\_199} + \\
& X_{15\_199} + X_{16\_199} + X_{17\_199} + X_{18\_199} + X_{19\_199} + X_{20\_199} + \\
& X_{21\_199} + \\
& X_{22\_199} + X_{23\_199} = 1; \\
& [_{201}] X_{1\_200} + X_{2\_200} + X_{3\_200} + X_{4\_200} + X_{5\_200} + X_{6\_200} + \\
& X_{7\_200} + \\
& X_{8\_200} + X_{9\_200} + X_{10\_200} + X_{11\_200} + X_{12\_200} + X_{13\_200} + \\
& X_{14\_200} + \\
& X_{15\_200} + X_{16\_200} + X_{17\_200} + X_{18\_200} + X_{19\_200} + X_{20\_200} + \\
& X_{21\_200} + \\
& X_{22\_200} + X_{23\_200} = 1; \\
& [_{202}] X_{1\_201} + X_{2\_201} + X_{3\_201} + X_{4\_201} + X_{5\_201} + X_{6\_201} + \\
& X_{7\_201} + \\
& X_{8\_201} + X_{9\_201} + X_{10\_201} + X_{11\_201} + X_{12\_201} + X_{13\_201} + \\
& X_{14\_201} + \\
& X_{15\_201} + X_{16\_201} + X_{17\_201} + X_{18\_201} + X_{19\_201} + X_{20\_201} + \\
& X_{21\_201} + \\
& X_{22\_201} + X_{23\_201} = 1; \\
& [_{203}] X_{1\_202} + X_{2\_202} + X_{3\_202} + X_{4\_202} + X_{5\_202} + X_{6\_202} + \\
& X_{7\_202} + \\
& X_{8\_202} + X_{9\_202} + X_{10\_202} + X_{11\_202} + X_{12\_202} + X_{13\_202} + \\
& X_{14\_202} + \\
& X_{15\_202} + X_{16\_202} + X_{17\_202} + X_{18\_202} + X_{19\_202} + X_{20\_202} + \\
& X_{21\_202} + \\
& X_{22\_202} + X_{23\_202} = 1; \\
& [_{204}] X_{1\_203} + X_{2\_203} + X_{3\_203} + X_{4\_203} + X_{5\_203} + X_{6\_203} + \\
& X_{7\_203} + \\
& X_{8\_203} + X_{9\_203} + X_{10\_203} + X_{11\_203} + X_{12\_203} + X_{13\_203} + \\
& X_{14\_203} + \\
& X_{15\_203} + X_{16\_203} + X_{17\_203} + X_{18\_203} + X_{19\_203} + X_{20\_203} + \\
& X_{21\_203} + \\
& X_{22\_203} + X_{23\_203} = 1; \\
& [_{205}] X_{1\_204} + X_{2\_204} + X_{3\_204} + X_{4\_204} + X_{5\_204} + X_{6\_204} + \\
& X_{7\_204} + \\
& X_{8\_204} + X_{9\_204} + X_{10\_204} + X_{11\_204} + X_{12\_204} + X_{13\_204} + \\
& X_{14\_204} + \\
& X_{15\_204} + X_{16\_204} + X_{17\_204} + X_{18\_204} + X_{19\_204} + X_{20\_204} + \\
& X_{21\_204} + \\
& X_{22\_204} + X_{23\_204} = 1; \\
& [_{206}] X_{1\_205} + X_{2\_205} + X_{3\_205} + X_{4\_205} + X_{5\_205} + X_{6\_205} + \\
& X_{7\_205} + \\
& X_{8\_205} + X_{9\_205} + X_{10\_205} + X_{11\_205} + X_{12\_205} + X_{13\_205} + \\
& X_{14\_205} + \\
& X_{15\_205} + X_{16\_205} + X_{17\_205} + X_{18\_205} + X_{19\_205} + X_{20\_205} + \\
& X_{21\_205} + \\
& X_{22\_205} + X_{23\_205} = 1; \\
& [_{207}] X_{1\_206} + X_{2\_206} + X_{3\_206} + X_{4\_206} + X_{5\_206} + X_{6\_206} + \\
& X_{7\_206} + \\
& X_{8\_206} + X_{9\_206} + X_{10\_206} + X_{11\_206} + X_{12\_206} + X_{13\_206} + \\
& X_{14\_206} +
\end{aligned}$$



$$\begin{aligned}
& X_{15\_206} + X_{16\_206} + X_{17\_206} + X_{18\_206} + X_{19\_206} + X_{20\_206} + \\
& X_{21\_206} + \\
& X_{22\_206} + X_{23\_206} = 1; \\
& [_{208}] X_{1\_207} + X_{2\_207} + X_{3\_207} + X_{4\_207} + X_{5\_207} + X_{6\_207} + \\
& X_{7\_207} + \\
& X_{8\_207} + X_{9\_207} + X_{10\_207} + X_{11\_207} + X_{12\_207} + X_{13\_207} + \\
& X_{14\_207} + \\
& X_{15\_207} + X_{16\_207} + X_{17\_207} + X_{18\_207} + X_{19\_207} + X_{20\_207} + \\
& X_{21\_207} + \\
& X_{22\_207} + X_{23\_207} = 1; \\
& [_{209}] X_{1\_208} + X_{2\_208} + X_{3\_208} + X_{4\_208} + X_{5\_208} + X_{6\_208} + \\
& X_{7\_208} + \\
& X_{8\_208} + X_{9\_208} + X_{10\_208} + X_{11\_208} + X_{12\_208} + X_{13\_208} + \\
& X_{14\_208} + \\
& X_{15\_208} + X_{16\_208} + X_{17\_208} + X_{18\_208} + X_{19\_208} + X_{20\_208} + \\
& X_{21\_208} + \\
& X_{22\_208} + X_{23\_208} = 1; \\
& [_{210}] X_{1\_209} + X_{2\_209} + X_{3\_209} + X_{4\_209} + X_{5\_209} + X_{6\_209} + \\
& X_{7\_209} + \\
& X_{8\_209} + X_{9\_209} + X_{10\_209} + X_{11\_209} + X_{12\_209} + X_{13\_209} + \\
& X_{14\_209} + \\
& X_{15\_209} + X_{16\_209} + X_{17\_209} + X_{18\_209} + X_{19\_209} + X_{20\_209} + \\
& X_{21\_209} + \\
& X_{22\_209} + X_{23\_209} = 1; \\
& [_{211}] X_{1\_210} + X_{2\_210} + X_{3\_210} + X_{4\_210} + X_{5\_210} + X_{6\_210} + \\
& X_{7\_210} + \\
& X_{8\_210} + X_{9\_210} + X_{10\_210} + X_{11\_210} + X_{12\_210} + X_{13\_210} + \\
& X_{14\_210} + \\
& X_{15\_210} + X_{16\_210} + X_{17\_210} + X_{18\_210} + X_{19\_210} + X_{20\_210} + \\
& X_{21\_210} + \\
& X_{22\_210} + X_{23\_210} = 1; \\
& [_{212}] X_{1\_211} + X_{2\_211} + X_{3\_211} + X_{4\_211} + X_{5\_211} + X_{6\_211} + \\
& X_{7\_211} + \\
& X_{8\_211} + X_{9\_211} + X_{10\_211} + X_{11\_211} + X_{12\_211} + X_{13\_211} + \\
& X_{14\_211} + \\
& X_{15\_211} + X_{16\_211} + X_{17\_211} + X_{18\_211} + X_{19\_211} + X_{20\_211} + \\
& X_{21\_211} + \\
& X_{22\_211} + X_{23\_211} = 1; \\
& [_{213}] X_{1\_212} + X_{2\_212} + X_{3\_212} + X_{4\_212} + X_{5\_212} + X_{6\_212} + \\
& X_{7\_212} + \\
& X_{8\_212} + X_{9\_212} + X_{10\_212} + X_{11\_212} + X_{12\_212} + X_{13\_212} + \\
& X_{14\_212} + \\
& X_{15\_212} + X_{16\_212} + X_{17\_212} + X_{18\_212} + X_{19\_212} + X_{20\_212} + \\
& X_{21\_212} + \\
& X_{22\_212} + X_{23\_212} = 1; \\
& [_{214}] X_{1\_213} + X_{2\_213} + X_{3\_213} + X_{4\_213} + X_{5\_213} + X_{6\_213} + \\
& X_{7\_213} + \\
& X_{8\_213} + X_{9\_213} + X_{10\_213} + X_{11\_213} + X_{12\_213} + X_{13\_213} + \\
& X_{14\_213} + \\
& X_{15\_213} + X_{16\_213} + X_{17\_213} + X_{18\_213} + X_{19\_213} + X_{20\_213} + \\
& X_{21\_213} + \\
& X_{22\_213} + X_{23\_213} = 1; \\
& [_{215}] X_{1\_214} + X_{2\_214} + X_{3\_214} + X_{4\_214} + X_{5\_214} + X_{6\_214} + \\
& X_{7\_214} + \\
& X_{8\_214} + X_{9\_214} + X_{10\_214} + X_{11\_214} + X_{12\_214} + X_{13\_214} + \\
& X_{14\_214} +
\end{aligned}$$

$$\begin{aligned}
& X_{15\_214} + X_{16\_214} + X_{17\_214} + X_{18\_214} + X_{19\_214} + X_{20\_214} + \\
& X_{21\_214} + \\
& X_{22\_214} + X_{23\_214} = 1; \\
& [_{216}] X_{1\_215} + X_{2\_215} + X_{3\_215} + X_{4\_215} + X_{5\_215} + X_{6\_215} + \\
& X_{7\_215} + \\
& X_{8\_215} + X_{9\_215} + X_{10\_215} + X_{11\_215} + X_{12\_215} + X_{13\_215} + \\
& X_{14\_215} + \\
& X_{15\_215} + X_{16\_215} + X_{17\_215} + X_{18\_215} + X_{19\_215} + X_{20\_215} + \\
& X_{21\_215} + \\
& X_{22\_215} + X_{23\_215} = 1; \\
& [_{217}] X_{1\_216} + X_{2\_216} + X_{3\_216} + X_{4\_216} + X_{5\_216} + X_{6\_216} + \\
& X_{7\_216} + \\
& X_{8\_216} + X_{9\_216} + X_{10\_216} + X_{11\_216} + X_{12\_216} + X_{13\_216} + \\
& X_{14\_216} + \\
& X_{15\_216} + X_{16\_216} + X_{17\_216} + X_{18\_216} + X_{19\_216} + X_{20\_216} + \\
& X_{21\_216} + \\
& X_{22\_216} + X_{23\_216} = 1; \\
& [_{218}] X_{1\_217} + X_{2\_217} + X_{3\_217} + X_{4\_217} + X_{5\_217} + X_{6\_217} + \\
& X_{7\_217} + \\
& X_{8\_217} + X_{9\_217} + X_{10\_217} + X_{11\_217} + X_{12\_217} + X_{13\_217} + \\
& X_{14\_217} + \\
& X_{15\_217} + X_{16\_217} + X_{17\_217} + X_{18\_217} + X_{19\_217} + X_{20\_217} + \\
& X_{21\_217} + \\
& X_{22\_217} + X_{23\_217} = 1; \\
& [_{219}] X_{1\_218} + X_{2\_218} + X_{3\_218} + X_{4\_218} + X_{5\_218} + X_{6\_218} + \\
& X_{7\_218} + \\
& X_{8\_218} + X_{9\_218} + X_{10\_218} + X_{11\_218} + X_{12\_218} + X_{13\_218} + \\
& X_{14\_218} + \\
& X_{15\_218} + X_{16\_218} + X_{17\_218} + X_{18\_218} + X_{19\_218} + X_{20\_218} + \\
& X_{21\_218} + \\
& X_{22\_218} + X_{23\_218} = 1; \\
& [_{220}] X_{1\_219} + X_{2\_219} + X_{3\_219} + X_{4\_219} + X_{5\_219} + X_{6\_219} + \\
& X_{7\_219} + \\
& X_{8\_219} + X_{9\_219} + X_{10\_219} + X_{11\_219} + X_{12\_219} + X_{13\_219} + \\
& X_{14\_219} + \\
& X_{15\_219} + X_{16\_219} + X_{17\_219} + X_{18\_219} + X_{19\_219} + X_{20\_219} + \\
& X_{21\_219} + \\
& X_{22\_219} + X_{23\_219} = 1; \\
& [_{221}] X_{1\_220} + X_{2\_220} + X_{3\_220} + X_{4\_220} + X_{5\_220} + X_{6\_220} + \\
& X_{7\_220} + \\
& X_{8\_220} + X_{9\_220} + X_{10\_220} + X_{11\_220} + X_{12\_220} + X_{13\_220} + \\
& X_{14\_220} + \\
& X_{15\_220} + X_{16\_220} + X_{17\_220} + X_{18\_220} + X_{19\_220} + X_{20\_220} + \\
& X_{21\_220} + \\
& X_{22\_220} + X_{23\_220} = 1; \\
& [_{222}] X_{1\_221} + X_{2\_221} + X_{3\_221} + X_{4\_221} + X_{5\_221} + X_{6\_221} + \\
& X_{7\_221} + \\
& X_{8\_221} + X_{9\_221} + X_{10\_221} + X_{11\_221} + X_{12\_221} + X_{13\_221} + \\
& X_{14\_221} + \\
& X_{15\_221} + X_{16\_221} + X_{17\_221} + X_{18\_221} + X_{19\_221} + X_{20\_221} + \\
& X_{21\_221} + \\
& X_{22\_221} + X_{23\_221} = 1; \\
& [_{223}] X_{1\_222} + X_{2\_222} + X_{3\_222} + X_{4\_222} + X_{5\_222} + X_{6\_222} + \\
& X_{7\_222} + \\
& X_{8\_222} + X_{9\_222} + X_{10\_222} + X_{11\_222} + X_{12\_222} + X_{13\_222} + \\
& X_{14\_222} +
\end{aligned}$$

$$\begin{aligned}
& X_{15\_222} + X_{16\_222} + X_{17\_222} + X_{18\_222} + X_{19\_222} + X_{20\_222} + \\
& X_{21\_222} + \\
& X_{22\_222} + X_{23\_222} = 1; \\
& [_{224}] X_{1\_223} + X_{2\_223} + X_{3\_223} + X_{4\_223} + X_{5\_223} + X_{6\_223} + \\
& X_{7\_223} + \\
& X_{8\_223} + X_{9\_223} + X_{10\_223} + X_{11\_223} + X_{12\_223} + X_{13\_223} + \\
& X_{14\_223} + \\
& X_{15\_223} + X_{16\_223} + X_{17\_223} + X_{18\_223} + X_{19\_223} + X_{20\_223} + \\
& X_{21\_223} + \\
& X_{22\_223} + X_{23\_223} = 1; \\
& [_{225}] X_{1\_224} + X_{2\_224} + X_{3\_224} + X_{4\_224} + X_{5\_224} + X_{6\_224} + \\
& X_{7\_224} + \\
& X_{8\_224} + X_{9\_224} + X_{10\_224} + X_{11\_224} + X_{12\_224} + X_{13\_224} + \\
& X_{14\_224} + \\
& X_{15\_224} + X_{16\_224} + X_{17\_224} + X_{18\_224} + X_{19\_224} + X_{20\_224} + \\
& X_{21\_224} + \\
& X_{22\_224} + X_{23\_224} = 1; \\
& [_{226}] X_{1\_225} + X_{2\_225} + X_{3\_225} + X_{4\_225} + X_{5\_225} + X_{6\_225} + \\
& X_{7\_225} + \\
& X_{8\_225} + X_{9\_225} + X_{10\_225} + X_{11\_225} + X_{12\_225} + X_{13\_225} + \\
& X_{14\_225} + \\
& X_{15\_225} + X_{16\_225} + X_{17\_225} + X_{18\_225} + X_{19\_225} + X_{20\_225} + \\
& X_{21\_225} + \\
& X_{22\_225} + X_{23\_225} = 1; \\
& [_{227}] X_{1\_226} + X_{2\_226} + X_{3\_226} + X_{4\_226} + X_{5\_226} + X_{6\_226} + \\
& X_{7\_226} + \\
& X_{8\_226} + X_{9\_226} + X_{10\_226} + X_{11\_226} + X_{12\_226} + X_{13\_226} + \\
& X_{14\_226} + \\
& X_{15\_226} + X_{16\_226} + X_{17\_226} + X_{18\_226} + X_{19\_226} + X_{20\_226} + \\
& X_{21\_226} + \\
& X_{22\_226} + X_{23\_226} = 1; \\
& [_{228}] X_{1\_227} + X_{2\_227} + X_{3\_227} + X_{4\_227} + X_{5\_227} + X_{6\_227} + \\
& X_{7\_227} + \\
& X_{8\_227} + X_{9\_227} + X_{10\_227} + X_{11\_227} + X_{12\_227} + X_{13\_227} + \\
& X_{14\_227} + \\
& X_{15\_227} + X_{16\_227} + X_{17\_227} + X_{18\_227} + X_{19\_227} + X_{20\_227} + \\
& X_{21\_227} + \\
& X_{22\_227} + X_{23\_227} = 1; \\
& [_{229}] X_{1\_228} + X_{2\_228} + X_{3\_228} + X_{4\_228} + X_{5\_228} + X_{6\_228} + \\
& X_{7\_228} + \\
& X_{8\_228} + X_{9\_228} + X_{10\_228} + X_{11\_228} + X_{12\_228} + X_{13\_228} + \\
& X_{14\_228} + \\
& X_{15\_228} + X_{16\_228} + X_{17\_228} + X_{18\_228} + X_{19\_228} + X_{20\_228} + \\
& X_{21\_228} + \\
& X_{22\_228} + X_{23\_228} = 1; \\
& [_{230}] X_{1\_229} + X_{2\_229} + X_{3\_229} + X_{4\_229} + X_{5\_229} + X_{6\_229} + \\
& X_{7\_229} + \\
& X_{8\_229} + X_{9\_229} + X_{10\_229} + X_{11\_229} + X_{12\_229} + X_{13\_229} + \\
& X_{14\_229} + \\
& X_{15\_229} + X_{16\_229} + X_{17\_229} + X_{18\_229} + X_{19\_229} + X_{20\_229} + \\
& X_{21\_229} + \\
& X_{22\_229} + X_{23\_229} = 1; \\
& [_{231}] X_{1\_230} + X_{2\_230} + X_{3\_230} + X_{4\_230} + X_{5\_230} + X_{6\_230} + \\
& X_{7\_230} + \\
& X_{8\_230} + X_{9\_230} + X_{10\_230} + X_{11\_230} + X_{12\_230} + X_{13\_230} + \\
& X_{14\_230} +
\end{aligned}$$

$$\begin{aligned}
& X_{15\_230} + X_{16\_230} + X_{17\_230} + X_{18\_230} + X_{19\_230} + X_{20\_230} + \\
& X_{21\_230} + \\
& X_{22\_230} + X_{23\_230} = 1; \\
& [_{232}] X_{1\_231} + X_{2\_231} + X_{3\_231} + X_{4\_231} + X_{5\_231} + X_{6\_231} + \\
& X_{7\_231} + \\
& X_{8\_231} + X_{9\_231} + X_{10\_231} + X_{11\_231} + X_{12\_231} + X_{13\_231} + \\
& X_{14\_231} + \\
& X_{15\_231} + X_{16\_231} + X_{17\_231} + X_{18\_231} + X_{19\_231} + X_{20\_231} + \\
& X_{21\_231} + \\
& X_{22\_231} + X_{23\_231} = 1; \\
& [_{233}] X_{1\_232} + X_{2\_232} + X_{3\_232} + X_{4\_232} + X_{5\_232} + X_{6\_232} + \\
& X_{7\_232} + \\
& X_{8\_232} + X_{9\_232} + X_{10\_232} + X_{11\_232} + X_{12\_232} + X_{13\_232} + \\
& X_{14\_232} + \\
& X_{15\_232} + X_{16\_232} + X_{17\_232} + X_{18\_232} + X_{19\_232} + X_{20\_232} + \\
& X_{21\_232} + \\
& X_{22\_232} + X_{23\_232} = 1; \\
& [_{234}] X_{1\_233} + X_{2\_233} + X_{3\_233} + X_{4\_233} + X_{5\_233} + X_{6\_233} + \\
& X_{7\_233} + \\
& X_{8\_233} + X_{9\_233} + X_{10\_233} + X_{11\_233} + X_{12\_233} + X_{13\_233} + \\
& X_{14\_233} + \\
& X_{15\_233} + X_{16\_233} + X_{17\_233} + X_{18\_233} + X_{19\_233} + X_{20\_233} + \\
& X_{21\_233} + \\
& X_{22\_233} + X_{23\_233} = 1; \\
& [_{235}] X_{1\_234} + X_{2\_234} + X_{3\_234} + X_{4\_234} + X_{5\_234} + X_{6\_234} + \\
& X_{7\_234} + \\
& X_{8\_234} + X_{9\_234} + X_{10\_234} + X_{11\_234} + X_{12\_234} + X_{13\_234} + \\
& X_{14\_234} + \\
& X_{15\_234} + X_{16\_234} + X_{17\_234} + X_{18\_234} + X_{19\_234} + X_{20\_234} + \\
& X_{21\_234} + \\
& X_{22\_234} + X_{23\_234} = 1; \\
& [_{236}] X_{1\_235} + X_{2\_235} + X_{3\_235} + X_{4\_235} + X_{5\_235} + X_{6\_235} + \\
& X_{7\_235} + \\
& X_{8\_235} + X_{9\_235} + X_{10\_235} + X_{11\_235} + X_{12\_235} + X_{13\_235} + \\
& X_{14\_235} + \\
& X_{15\_235} + X_{16\_235} + X_{17\_235} + X_{18\_235} + X_{19\_235} + X_{20\_235} + \\
& X_{21\_235} + \\
& X_{22\_235} + X_{23\_235} = 1; \\
& [_{237}] X_{1\_236} + X_{2\_236} + X_{3\_236} + X_{4\_236} + X_{5\_236} + X_{6\_236} + \\
& X_{7\_236} + \\
& X_{8\_236} + X_{9\_236} + X_{10\_236} + X_{11\_236} + X_{12\_236} + X_{13\_236} + \\
& X_{14\_236} + \\
& X_{15\_236} + X_{16\_236} + X_{17\_236} + X_{18\_236} + X_{19\_236} + X_{20\_236} + \\
& X_{21\_236} + \\
& X_{22\_236} + X_{23\_236} = 1; \\
& [_{238}] X_{1\_237} + X_{2\_237} + X_{3\_237} + X_{4\_237} + X_{5\_237} + X_{6\_237} + \\
& X_{7\_237} + \\
& X_{8\_237} + X_{9\_237} + X_{10\_237} + X_{11\_237} + X_{12\_237} + X_{13\_237} + \\
& X_{14\_237} + \\
& X_{15\_237} + X_{16\_237} + X_{17\_237} + X_{18\_237} + X_{19\_237} + X_{20\_237} + \\
& X_{21\_237} + \\
& X_{22\_237} + X_{23\_237} = 1; \\
& [_{239}] X_{1\_238} + X_{2\_238} + X_{3\_238} + X_{4\_238} + X_{5\_238} + X_{6\_238} + \\
& X_{7\_238} + \\
& X_{8\_238} + X_{9\_238} + X_{10\_238} + X_{11\_238} + X_{12\_238} + X_{13\_238} + \\
& X_{14\_238} +
\end{aligned}$$

$X_{15\_238} + X_{16\_238} + X_{17\_238} + X_{18\_238} + X_{19\_238} + X_{20\_238} + X_{21\_238} + X_{22\_238} + X_{23\_238} = 1;$   
 [\_240]  $X_{1\_239} + X_{2\_239} + X_{3\_239} + X_{4\_239} + X_{5\_239} + X_{6\_239} + X_{7\_239} + X_{8\_239} + X_{9\_239} + X_{10\_239} + X_{11\_239} + X_{12\_239} + X_{13\_239} + X_{14\_239} + X_{15\_239} + X_{16\_239} + X_{17\_239} + X_{18\_239} + X_{19\_239} + X_{20\_239} + X_{21\_239} + X_{22\_239} + X_{23\_239} = 1;$   
 [\_241]  $X_{1\_240} + X_{2\_240} + X_{3\_240} + X_{4\_240} + X_{5\_240} + X_{6\_240} + X_{7\_240} + X_{8\_240} + X_{9\_240} + X_{10\_240} + X_{11\_240} + X_{12\_240} + X_{13\_240} + X_{14\_240} + X_{15\_240} + X_{16\_240} + X_{17\_240} + X_{18\_240} + X_{19\_240} + X_{20\_240} + X_{21\_240} + X_{22\_240} + X_{23\_240} = 1;$   
 [\_242]  $X_{1\_1} + X_{1\_2} + X_{1\_3} + X_{1\_4} + X_{1\_5} + X_{1\_6} + X_{1\_7} + X_{1\_8} \leq 1;$   
 [\_243]  $X_{1\_9} + X_{1\_10} + X_{1\_11} + X_{1\_12} + X_{1\_13} + X_{1\_14} + X_{1\_15} + X_{1\_16} \leq 1;$   
 [\_244]  $X_{1\_17} + X_{1\_18} + X_{1\_19} + X_{1\_20} + X_{1\_21} + X_{1\_22} + X_{1\_23} + X_{1\_24} \leq 1;$   
 [\_245]  $X_{1\_25} + X_{1\_26} + X_{1\_27} + X_{1\_28} + X_{1\_29} + X_{1\_30} + X_{1\_31} + X_{1\_32} \leq 1;$   
 [\_246]  $X_{1\_33} + X_{1\_34} + X_{1\_35} + X_{1\_36} + X_{1\_37} + X_{1\_38} + X_{1\_39} + X_{1\_40} \leq 1;$   
 [\_247]  $X_{1\_41} + X_{1\_42} + X_{1\_43} + X_{1\_44} + X_{1\_45} + X_{1\_46} + X_{1\_47} + X_{1\_48} \leq 1;$   
 [\_248]  $X_{1\_49} + X_{1\_50} + X_{1\_51} + X_{1\_52} + X_{1\_53} + X_{1\_54} + X_{1\_55} + X_{1\_56} \leq 1;$   
 [\_249]  $X_{1\_57} + X_{1\_58} + X_{1\_59} + X_{1\_60} + X_{1\_61} + X_{1\_62} + X_{1\_63} + X_{1\_64} \leq 1;$   
 [\_250]  $X_{1\_65} + X_{1\_66} + X_{1\_67} + X_{1\_68} + X_{1\_69} + X_{1\_70} + X_{1\_71} + X_{1\_72} \leq 1;$   
 [\_251]  $X_{1\_73} + X_{1\_74} + X_{1\_75} + X_{1\_76} + X_{1\_77} + X_{1\_78} + X_{1\_79} + X_{1\_80} \leq 1;$   
 [\_252]  $X_{1\_81} + X_{1\_82} + X_{1\_83} + X_{1\_84} + X_{1\_85} + X_{1\_86} + X_{1\_87} + X_{1\_88} \leq 1;$   
 [\_253]  $X_{1\_89} + X_{1\_90} + X_{1\_91} + X_{1\_92} + X_{1\_93} + X_{1\_94} + X_{1\_95} + X_{1\_96} \leq 1;$   
 [\_254]  $X_{1\_97} + X_{1\_98} + X_{1\_99} + X_{1\_100} + X_{1\_101} + X_{1\_102} + X_{1\_103} + X_{1\_104} \leq 1;$   
 [\_255]  $X_{1\_105} + X_{1\_106} + X_{1\_107} + X_{1\_108} + X_{1\_109} + X_{1\_110} + X_{1\_111} + X_{1\_112} \leq 1;$   
 [\_256]  $X_{1\_113} + X_{1\_114} + X_{1\_115} + X_{1\_116} + X_{1\_117} + X_{1\_118} + X_{1\_119} + X_{1\_120} \leq 1;$   
 [\_257]  $X_{1\_121} + X_{1\_122} + X_{1\_123} + X_{1\_124} + X_{1\_125} + X_{1\_126} + X_{1\_127} + X_{1\_128} \leq 1;$   
 [\_258]  $X_{1\_129} + X_{1\_130} + X_{1\_131} + X_{1\_132} + X_{1\_133} + X_{1\_134} + X_{1\_135} + X_{1\_136} \leq 1;$

[\_259] X\_1\_137 + X\_1\_138 + X\_1\_139 + X\_1\_140 + X\_1\_141 + X\_1\_142 +  
 X\_1\_143 +  
 X\_1\_144 <= 1;  
 [\_260] X\_1\_145 + X\_1\_146 + X\_1\_147 + X\_1\_148 + X\_1\_149 + X\_1\_150 +  
 X\_1\_151 +  
 X\_1\_152 <= 1;  
 [\_261] X\_1\_153 + X\_1\_154 + X\_1\_155 + X\_1\_156 + X\_1\_157 + X\_1\_158 +  
 X\_1\_159 +  
 X\_1\_160 <= 1;  
 [\_262] X\_1\_161 + X\_1\_162 + X\_1\_163 + X\_1\_164 + X\_1\_165 + X\_1\_166 +  
 X\_1\_167 +  
 X\_1\_168 <= 1;  
 [\_263] X\_1\_169 + X\_1\_170 + X\_1\_171 + X\_1\_172 + X\_1\_173 + X\_1\_174 +  
 X\_1\_175 +  
 X\_1\_176 <= 1;  
 [\_264] X\_1\_177 + X\_1\_178 + X\_1\_179 + X\_1\_180 + X\_1\_181 + X\_1\_182 +  
 X\_1\_183 +  
 X\_1\_184 <= 1;  
 [\_265] X\_1\_185 + X\_1\_186 + X\_1\_187 + X\_1\_188 + X\_1\_189 + X\_1\_190 +  
 X\_1\_191 +  
 X\_1\_192 <= 1;  
 [\_266] X\_1\_193 + X\_1\_194 + X\_1\_195 + X\_1\_196 + X\_1\_197 + X\_1\_198 +  
 X\_1\_199 +  
 X\_1\_200 <= 1;  
 [\_267] X\_1\_201 + X\_1\_202 + X\_1\_203 + X\_1\_204 + X\_1\_205 + X\_1\_206 +  
 X\_1\_207 +  
 X\_1\_208 <= 1;  
 [\_268] X\_1\_209 + X\_1\_210 + X\_1\_211 + X\_1\_212 + X\_1\_213 + X\_1\_214 +  
 X\_1\_215 +  
 X\_1\_216 <= 1;  
 [\_269] X\_1\_217 + X\_1\_218 + X\_1\_219 + X\_1\_220 + X\_1\_221 + X\_1\_222 +  
 X\_1\_223 +  
 X\_1\_224 <= 1;  
 [\_270] X\_1\_225 + X\_1\_226 + X\_1\_227 + X\_1\_228 + X\_1\_229 + X\_1\_230 +  
 X\_1\_231 +  
 X\_1\_232 <= 1;  
 [\_271] X\_1\_233 + X\_1\_234 + X\_1\_235 + X\_1\_236 + X\_1\_237 + X\_1\_238 +  
 X\_1\_239 +  
 X\_1\_240 <= 1;  
 [\_272] X\_2\_1 + X\_2\_2 + X\_2\_3 + X\_2\_4 + X\_2\_5 + X\_2\_6 + X\_2\_7 + X\_2\_8  
 <= 1;  
 [\_273] X\_2\_9 + X\_2\_10 + X\_2\_11 + X\_2\_12 + X\_2\_13 + X\_2\_14 + X\_2\_15 +  
 X\_2\_16 <= 1;  
 [\_274] X\_2\_17 + X\_2\_18 + X\_2\_19 + X\_2\_20 + X\_2\_21 + X\_2\_22 + X\_2\_23 +  
 X\_2\_24 <= 1;  
 [\_275] X\_2\_25 + X\_2\_26 + X\_2\_27 + X\_2\_28 + X\_2\_29 + X\_2\_30 + X\_2\_31 +  
 X\_2\_32 <= 1;  
 [\_276] X\_2\_33 + X\_2\_34 + X\_2\_35 + X\_2\_36 + X\_2\_37 + X\_2\_38 + X\_2\_39 +  
 X\_2\_40 <= 1;  
 [\_277] X\_2\_41 + X\_2\_42 + X\_2\_43 + X\_2\_44 + X\_2\_45 + X\_2\_46 + X\_2\_47 +  
 X\_2\_48 <= 1;  
 [\_278] X\_2\_49 + X\_2\_50 + X\_2\_51 + X\_2\_52 + X\_2\_53 + X\_2\_54 + X\_2\_55 +  
 X\_2\_56 <= 1;  
 [\_279] X\_2\_57 + X\_2\_58 + X\_2\_59 + X\_2\_60 + X\_2\_61 + X\_2\_62 + X\_2\_63 +  
 X\_2\_64 <= 1;  
 [\_280] X\_2\_65 + X\_2\_66 + X\_2\_67 + X\_2\_68 + X\_2\_69 + X\_2\_70 + X\_2\_71 +  
 X\_2\_72 <= 1;

[\_281] X\_2\_73 + X\_2\_74 + X\_2\_75 + X\_2\_76 + X\_2\_77 + X\_2\_78 + X\_2\_79 +  
 X\_2\_80 <= 1;  
 [\_282] X\_2\_81 + X\_2\_82 + X\_2\_83 + X\_2\_84 + X\_2\_85 + X\_2\_86 + X\_2\_87 +  
 X\_2\_88 <= 1;  
 [\_283] X\_2\_89 + X\_2\_90 + X\_2\_91 + X\_2\_92 + X\_2\_93 + X\_2\_94 + X\_2\_95 +  
 X\_2\_96 <= 1;  
 [\_284] X\_2\_97 + X\_2\_98 + X\_2\_99 + X\_2\_100 + X\_2\_101 + X\_2\_102 +  
 X\_2\_103 + X\_2\_104  
 <= 1;  
 [\_285] X\_2\_105 + X\_2\_106 + X\_2\_107 + X\_2\_108 + X\_2\_109 + X\_2\_110 +  
 X\_2\_111 +  
 X\_2\_112 <= 1;  
 [\_286] X\_2\_113 + X\_2\_114 + X\_2\_115 + X\_2\_116 + X\_2\_117 + X\_2\_118 +  
 X\_2\_119 +  
 X\_2\_120 <= 1;  
 [\_287] X\_2\_121 + X\_2\_122 + X\_2\_123 + X\_2\_124 + X\_2\_125 + X\_2\_126 +  
 X\_2\_127 +  
 X\_2\_128 <= 1;  
 [\_288] X\_2\_129 + X\_2\_130 + X\_2\_131 + X\_2\_132 + X\_2\_133 + X\_2\_134 +  
 X\_2\_135 +  
 X\_2\_136 <= 1;  
 [\_289] X\_2\_137 + X\_2\_138 + X\_2\_139 + X\_2\_140 + X\_2\_141 + X\_2\_142 +  
 X\_2\_143 +  
 X\_2\_144 <= 1;  
 [\_290] X\_2\_145 + X\_2\_146 + X\_2\_147 + X\_2\_148 + X\_2\_149 + X\_2\_150 +  
 X\_2\_151 +  
 X\_2\_152 <= 1;  
 [\_291] X\_2\_153 + X\_2\_154 + X\_2\_155 + X\_2\_156 + X\_2\_157 + X\_2\_158 +  
 X\_2\_159 +  
 X\_2\_160 <= 1;  
 [\_292] X\_2\_161 + X\_2\_162 + X\_2\_163 + X\_2\_164 + X\_2\_165 + X\_2\_166 +  
 X\_2\_167 +  
 X\_2\_168 <= 1;  
 [\_293] X\_2\_169 + X\_2\_170 + X\_2\_171 + X\_2\_172 + X\_2\_173 + X\_2\_174 +  
 X\_2\_175 +  
 X\_2\_176 <= 1;  
 [\_294] X\_2\_177 + X\_2\_178 + X\_2\_179 + X\_2\_180 + X\_2\_181 + X\_2\_182 +  
 X\_2\_183 +  
 X\_2\_184 <= 1;  
 [\_295] X\_2\_185 + X\_2\_186 + X\_2\_187 + X\_2\_188 + X\_2\_189 + X\_2\_190 +  
 X\_2\_191 +  
 X\_2\_192 <= 1;  
 [\_296] X\_2\_193 + X\_2\_194 + X\_2\_195 + X\_2\_196 + X\_2\_197 + X\_2\_198 +  
 X\_2\_199 +  
 X\_2\_200 <= 1;  
 [\_297] X\_2\_201 + X\_2\_202 + X\_2\_203 + X\_2\_204 + X\_2\_205 + X\_2\_206 +  
 X\_2\_207 +  
 X\_2\_208 <= 1;  
 [\_298] X\_2\_209 + X\_2\_210 + X\_2\_211 + X\_2\_212 + X\_2\_213 + X\_2\_214 +  
 X\_2\_215 +  
 X\_2\_216 <= 1;  
 [\_299] X\_2\_217 + X\_2\_218 + X\_2\_219 + X\_2\_220 + X\_2\_221 + X\_2\_222 +  
 X\_2\_223 +  
 X\_2\_224 <= 1;  
 [\_300] X\_2\_225 + X\_2\_226 + X\_2\_227 + X\_2\_228 + X\_2\_229 + X\_2\_230 +  
 X\_2\_231 +  
 X\_2\_232 <= 1;

[\_301]  $X_{2\_233} + X_{2\_234} + X_{2\_235} + X_{2\_236} + X_{2\_237} + X_{2\_238} + X_{2\_239} + X_{2\_240} \leq 1;$   
 [\_302]  $X_{3\_1} + X_{3\_2} + X_{3\_3} + X_{3\_4} + X_{3\_5} + X_{3\_6} + X_{3\_7} + X_{3\_8} \leq 1;$   
 [\_303]  $X_{3\_9} + X_{3\_10} + X_{3\_11} + X_{3\_12} + X_{3\_13} + X_{3\_14} + X_{3\_15} + X_{3\_16} \leq 1;$   
 [\_304]  $X_{3\_17} + X_{3\_18} + X_{3\_19} + X_{3\_20} + X_{3\_21} + X_{3\_22} + X_{3\_23} + X_{3\_24} \leq 1;$   
 [\_305]  $X_{3\_25} + X_{3\_26} + X_{3\_27} + X_{3\_28} + X_{3\_29} + X_{3\_30} + X_{3\_31} + X_{3\_32} \leq 1;$   
 [\_306]  $X_{3\_33} + X_{3\_34} + X_{3\_35} + X_{3\_36} + X_{3\_37} + X_{3\_38} + X_{3\_39} + X_{3\_40} \leq 1;$   
 [\_307]  $X_{3\_41} + X_{3\_42} + X_{3\_43} + X_{3\_44} + X_{3\_45} + X_{3\_46} + X_{3\_47} + X_{3\_48} \leq 1;$   
 [\_308]  $X_{3\_49} + X_{3\_50} + X_{3\_51} + X_{3\_52} + X_{3\_53} + X_{3\_54} + X_{3\_55} + X_{3\_56} \leq 1;$   
 [\_309]  $X_{3\_57} + X_{3\_58} + X_{3\_59} + X_{3\_60} + X_{3\_61} + X_{3\_62} + X_{3\_63} + X_{3\_64} \leq 1;$   
 [\_310]  $X_{3\_65} + X_{3\_66} + X_{3\_67} + X_{3\_68} + X_{3\_69} + X_{3\_70} + X_{3\_71} + X_{3\_72} \leq 1;$   
 [\_311]  $X_{3\_73} + X_{3\_74} + X_{3\_75} + X_{3\_76} + X_{3\_77} + X_{3\_78} + X_{3\_79} + X_{3\_80} \leq 1;$   
 [\_312]  $X_{3\_81} + X_{3\_82} + X_{3\_83} + X_{3\_84} + X_{3\_85} + X_{3\_86} + X_{3\_87} + X_{3\_88} \leq 1;$   
 [\_313]  $X_{3\_89} + X_{3\_90} + X_{3\_91} + X_{3\_92} + X_{3\_93} + X_{3\_94} + X_{3\_95} + X_{3\_96} \leq 1;$   
 [\_314]  $X_{3\_97} + X_{3\_98} + X_{3\_99} + X_{3\_100} + X_{3\_101} + X_{3\_102} + X_{3\_103} + X_{3\_104} \leq 1;$   
 [\_315]  $X_{3\_105} + X_{3\_106} + X_{3\_107} + X_{3\_108} + X_{3\_109} + X_{3\_110} + X_{3\_111} + X_{3\_112} \leq 1;$   
 [\_316]  $X_{3\_113} + X_{3\_114} + X_{3\_115} + X_{3\_116} + X_{3\_117} + X_{3\_118} + X_{3\_119} + X_{3\_120} \leq 1;$   
 [\_317]  $X_{3\_121} + X_{3\_122} + X_{3\_123} + X_{3\_124} + X_{3\_125} + X_{3\_126} + X_{3\_127} + X_{3\_128} \leq 1;$   
 [\_318]  $X_{3\_129} + X_{3\_130} + X_{3\_131} + X_{3\_132} + X_{3\_133} + X_{3\_134} + X_{3\_135} + X_{3\_136} \leq 1;$   
 [\_319]  $X_{3\_137} + X_{3\_138} + X_{3\_139} + X_{3\_140} + X_{3\_141} + X_{3\_142} + X_{3\_143} + X_{3\_144} \leq 1;$   
 [\_320]  $X_{3\_145} + X_{3\_146} + X_{3\_147} + X_{3\_148} + X_{3\_149} + X_{3\_150} + X_{3\_151} + X_{3\_152} \leq 1;$   
 [\_321]  $X_{3\_153} + X_{3\_154} + X_{3\_155} + X_{3\_156} + X_{3\_157} + X_{3\_158} + X_{3\_159} + X_{3\_160} \leq 1;$   
 [\_322]  $X_{3\_161} + X_{3\_162} + X_{3\_163} + X_{3\_164} + X_{3\_165} + X_{3\_166} + X_{3\_167} + X_{3\_168} \leq 1;$   
 [\_323]  $X_{3\_169} + X_{3\_170} + X_{3\_171} + X_{3\_172} + X_{3\_173} + X_{3\_174} + X_{3\_175} + X_{3\_176} \leq 1;$



[\_324] X\_3\_177 + X\_3\_178 + X\_3\_179 + X\_3\_180 + X\_3\_181 + X\_3\_182 +  
 X\_3\_183 +  
 X\_3\_184 <= 1;  
 [\_325] X\_3\_185 + X\_3\_186 + X\_3\_187 + X\_3\_188 + X\_3\_189 + X\_3\_190 +  
 X\_3\_191 +  
 X\_3\_192 <= 1;  
 [\_326] X\_3\_193 + X\_3\_194 + X\_3\_195 + X\_3\_196 + X\_3\_197 + X\_3\_198 +  
 X\_3\_199 +  
 X\_3\_200 <= 1;  
 [\_327] X\_3\_201 + X\_3\_202 + X\_3\_203 + X\_3\_204 + X\_3\_205 + X\_3\_206 +  
 X\_3\_207 +  
 X\_3\_208 <= 1;  
 [\_328] X\_3\_209 + X\_3\_210 + X\_3\_211 + X\_3\_212 + X\_3\_213 + X\_3\_214 +  
 X\_3\_215 +  
 X\_3\_216 <= 1;  
 [\_329] X\_3\_217 + X\_3\_218 + X\_3\_219 + X\_3\_220 + X\_3\_221 + X\_3\_222 +  
 X\_3\_223 +  
 X\_3\_224 <= 1;  
 [\_330] X\_3\_225 + X\_3\_226 + X\_3\_227 + X\_3\_228 + X\_3\_229 + X\_3\_230 +  
 X\_3\_231 +  
 X\_3\_232 <= 1;  
 [\_331] X\_3\_233 + X\_3\_234 + X\_3\_235 + X\_3\_236 + X\_3\_237 + X\_3\_238 +  
 X\_3\_239 +  
 X\_3\_240 <= 1;  
 [\_332] X\_4\_1 + X\_4\_2 + X\_4\_3 + X\_4\_4 + X\_4\_5 + X\_4\_6 + X\_4\_7 + X\_4\_8  
 <= 1;  
 [\_333] X\_4\_9 + X\_4\_10 + X\_4\_11 + X\_4\_12 + X\_4\_13 + X\_4\_14 + X\_4\_15 +  
 X\_4\_16 <= 1;  
 [\_334] X\_4\_17 + X\_4\_18 + X\_4\_19 + X\_4\_20 + X\_4\_21 + X\_4\_22 + X\_4\_23 +  
 X\_4\_24 <= 1;  
 [\_335] X\_4\_25 + X\_4\_26 + X\_4\_27 + X\_4\_28 + X\_4\_29 + X\_4\_30 + X\_4\_31 +  
 X\_4\_32 <= 1;  
 [\_336] X\_4\_33 + X\_4\_34 + X\_4\_35 + X\_4\_36 + X\_4\_37 + X\_4\_38 + X\_4\_39 +  
 X\_4\_40 <= 1;  
 [\_337] X\_4\_41 + X\_4\_42 + X\_4\_43 + X\_4\_44 + X\_4\_45 + X\_4\_46 + X\_4\_47 +  
 X\_4\_48 <= 1;  
 [\_338] X\_4\_49 + X\_4\_50 + X\_4\_51 + X\_4\_52 + X\_4\_53 + X\_4\_54 + X\_4\_55 +  
 X\_4\_56 <= 1;  
 [\_339] X\_4\_57 + X\_4\_58 + X\_4\_59 + X\_4\_60 + X\_4\_61 + X\_4\_62 + X\_4\_63 +  
 X\_4\_64 <= 1;  
 [\_340] X\_4\_65 + X\_4\_66 + X\_4\_67 + X\_4\_68 + X\_4\_69 + X\_4\_70 + X\_4\_71 +  
 X\_4\_72 <= 1;  
 [\_341] X\_4\_73 + X\_4\_74 + X\_4\_75 + X\_4\_76 + X\_4\_77 + X\_4\_78 + X\_4\_79 +  
 X\_4\_80 <= 1;  
 [\_342] X\_4\_81 + X\_4\_82 + X\_4\_83 + X\_4\_84 + X\_4\_85 + X\_4\_86 + X\_4\_87 +  
 X\_4\_88 <= 1;  
 [\_343] X\_4\_89 + X\_4\_90 + X\_4\_91 + X\_4\_92 + X\_4\_93 + X\_4\_94 + X\_4\_95 +  
 X\_4\_96 <= 1;  
 [\_344] X\_4\_97 + X\_4\_98 + X\_4\_99 + X\_4\_100 + X\_4\_101 + X\_4\_102 +  
 X\_4\_103 + X\_4\_104  
 <= 1;  
 [\_345] X\_4\_105 + X\_4\_106 + X\_4\_107 + X\_4\_108 + X\_4\_109 + X\_4\_110 +  
 X\_4\_111 +  
 X\_4\_112 <= 1;  
 [\_346] X\_4\_113 + X\_4\_114 + X\_4\_115 + X\_4\_116 + X\_4\_117 + X\_4\_118 +  
 X\_4\_119 +  
 X\_4\_120 <= 1;

[\_347] X\_4\_121 + X\_4\_122 + X\_4\_123 + X\_4\_124 + X\_4\_125 + X\_4\_126 +  
 X\_4\_127 +  
 X\_4\_128 <= 1;  
 [\_348] X\_4\_129 + X\_4\_130 + X\_4\_131 + X\_4\_132 + X\_4\_133 + X\_4\_134 +  
 X\_4\_135 +  
 X\_4\_136 <= 1;  
 [\_349] X\_4\_137 + X\_4\_138 + X\_4\_139 + X\_4\_140 + X\_4\_141 + X\_4\_142 +  
 X\_4\_143 +  
 X\_4\_144 <= 1;  
 [\_350] X\_4\_145 + X\_4\_146 + X\_4\_147 + X\_4\_148 + X\_4\_149 + X\_4\_150 +  
 X\_4\_151 +  
 X\_4\_152 <= 1;  
 [\_351] X\_4\_153 + X\_4\_154 + X\_4\_155 + X\_4\_156 + X\_4\_157 + X\_4\_158 +  
 X\_4\_159 +  
 X\_4\_160 <= 1;  
 [\_352] X\_4\_161 + X\_4\_162 + X\_4\_163 + X\_4\_164 + X\_4\_165 + X\_4\_166 +  
 X\_4\_167 +  
 X\_4\_168 <= 1;  
 [\_353] X\_4\_169 + X\_4\_170 + X\_4\_171 + X\_4\_172 + X\_4\_173 + X\_4\_174 +  
 X\_4\_175 +  
 X\_4\_176 <= 1;  
 [\_354] X\_4\_177 + X\_4\_178 + X\_4\_179 + X\_4\_180 + X\_4\_181 + X\_4\_182 +  
 X\_4\_183 +  
 X\_4\_184 <= 1;  
 [\_355] X\_4\_185 + X\_4\_186 + X\_4\_187 + X\_4\_188 + X\_4\_189 + X\_4\_190 +  
 X\_4\_191 +  
 X\_4\_192 <= 1;  
 [\_356] X\_4\_193 + X\_4\_194 + X\_4\_195 + X\_4\_196 + X\_4\_197 + X\_4\_198 +  
 X\_4\_199 +  
 X\_4\_200 <= 1;  
 [\_357] X\_4\_201 + X\_4\_202 + X\_4\_203 + X\_4\_204 + X\_4\_205 + X\_4\_206 +  
 X\_4\_207 +  
 X\_4\_208 <= 1;  
 [\_358] X\_4\_209 + X\_4\_210 + X\_4\_211 + X\_4\_212 + X\_4\_213 + X\_4\_214 +  
 X\_4\_215 +  
 X\_4\_216 <= 1;  
 [\_359] X\_4\_217 + X\_4\_218 + X\_4\_219 + X\_4\_220 + X\_4\_221 + X\_4\_222 +  
 X\_4\_223 +  
 X\_4\_224 <= 1;  
 [\_360] X\_4\_225 + X\_4\_226 + X\_4\_227 + X\_4\_228 + X\_4\_229 + X\_4\_230 +  
 X\_4\_231 +  
 X\_4\_232 <= 1;  
 [\_361] X\_4\_233 + X\_4\_234 + X\_4\_235 + X\_4\_236 + X\_4\_237 + X\_4\_238 +  
 X\_4\_239 +  
 X\_4\_240 <= 1;  
 [\_362] X\_5\_1 + X\_5\_2 + X\_5\_3 + X\_5\_4 + X\_5\_5 + X\_5\_6 + X\_5\_7 + X\_5\_8  
 <= 1;  
 [\_363] X\_5\_9 + X\_5\_10 + X\_5\_11 + X\_5\_12 + X\_5\_13 + X\_5\_14 + X\_5\_15 +  
 X\_5\_16 <= 1;  
 [\_364] X\_5\_17 + X\_5\_18 + X\_5\_19 + X\_5\_20 + X\_5\_21 + X\_5\_22 + X\_5\_23 +  
 X\_5\_24 <= 1;  
 [\_365] X\_5\_25 + X\_5\_26 + X\_5\_27 + X\_5\_28 + X\_5\_29 + X\_5\_30 + X\_5\_31 +  
 X\_5\_32 <= 1;  
 [\_366] X\_5\_33 + X\_5\_34 + X\_5\_35 + X\_5\_36 + X\_5\_37 + X\_5\_38 + X\_5\_39 +  
 X\_5\_40 <= 1;  
 [\_367] X\_5\_41 + X\_5\_42 + X\_5\_43 + X\_5\_44 + X\_5\_45 + X\_5\_46 + X\_5\_47 +  
 X\_5\_48 <= 1;

[\_368] X\_5\_49 + X\_5\_50 + X\_5\_51 + X\_5\_52 + X\_5\_53 + X\_5\_54 + X\_5\_55 +  
 X\_5\_56 <= 1;  
 [\_369] X\_5\_57 + X\_5\_58 + X\_5\_59 + X\_5\_60 + X\_5\_61 + X\_5\_62 + X\_5\_63 +  
 X\_5\_64 <= 1;  
 [\_370] X\_5\_65 + X\_5\_66 + X\_5\_67 + X\_5\_68 + X\_5\_69 + X\_5\_70 + X\_5\_71 +  
 X\_5\_72 <= 1;  
 [\_371] X\_5\_73 + X\_5\_74 + X\_5\_75 + X\_5\_76 + X\_5\_77 + X\_5\_78 + X\_5\_79 +  
 X\_5\_80 <= 1;  
 [\_372] X\_5\_81 + X\_5\_82 + X\_5\_83 + X\_5\_84 + X\_5\_85 + X\_5\_86 + X\_5\_87 +  
 X\_5\_88 <= 1;  
 [\_373] X\_5\_89 + X\_5\_90 + X\_5\_91 + X\_5\_92 + X\_5\_93 + X\_5\_94 + X\_5\_95 +  
 X\_5\_96 <= 1;  
 [\_374] X\_5\_97 + X\_5\_98 + X\_5\_99 + X\_5\_100 + X\_5\_101 + X\_5\_102 +  
 X\_5\_103 + X\_5\_104  
 <= 1;  
 [\_375] X\_5\_105 + X\_5\_106 + X\_5\_107 + X\_5\_108 + X\_5\_109 + X\_5\_110 +  
 X\_5\_111 +  
 X\_5\_112 <= 1;  
 [\_376] X\_5\_113 + X\_5\_114 + X\_5\_115 + X\_5\_116 + X\_5\_117 + X\_5\_118 +  
 X\_5\_119 +  
 X\_5\_120 <= 1;  
 [\_377] X\_5\_121 + X\_5\_122 + X\_5\_123 + X\_5\_124 + X\_5\_125 + X\_5\_126 +  
 X\_5\_127 +  
 X\_5\_128 <= 1;  
 [\_378] X\_5\_129 + X\_5\_130 + X\_5\_131 + X\_5\_132 + X\_5\_133 + X\_5\_134 +  
 X\_5\_135 +  
 X\_5\_136 <= 1;  
 [\_379] X\_5\_137 + X\_5\_138 + X\_5\_139 + X\_5\_140 + X\_5\_141 + X\_5\_142 +  
 X\_5\_143 +  
 X\_5\_144 <= 1;  
 [\_380] X\_5\_145 + X\_5\_146 + X\_5\_147 + X\_5\_148 + X\_5\_149 + X\_5\_150 +  
 X\_5\_151 +  
 X\_5\_152 <= 1;  
 [\_381] X\_5\_153 + X\_5\_154 + X\_5\_155 + X\_5\_156 + X\_5\_157 + X\_5\_158 +  
 X\_5\_159 +  
 X\_5\_160 <= 1;  
 [\_382] X\_5\_161 + X\_5\_162 + X\_5\_163 + X\_5\_164 + X\_5\_165 + X\_5\_166 +  
 X\_5\_167 +  
 X\_5\_168 <= 1;  
 [\_383] X\_5\_169 + X\_5\_170 + X\_5\_171 + X\_5\_172 + X\_5\_173 + X\_5\_174 +  
 X\_5\_175 +  
 X\_5\_176 <= 1;  
 [\_384] X\_5\_177 + X\_5\_178 + X\_5\_179 + X\_5\_180 + X\_5\_181 + X\_5\_182 +  
 X\_5\_183 +  
 X\_5\_184 <= 1;  
 [\_385] X\_5\_185 + X\_5\_186 + X\_5\_187 + X\_5\_188 + X\_5\_189 + X\_5\_190 +  
 X\_5\_191 +  
 X\_5\_192 <= 1;  
 [\_386] X\_5\_193 + X\_5\_194 + X\_5\_195 + X\_5\_196 + X\_5\_197 + X\_5\_198 +  
 X\_5\_199 +  
 X\_5\_200 <= 1;  
 [\_387] X\_5\_201 + X\_5\_202 + X\_5\_203 + X\_5\_204 + X\_5\_205 + X\_5\_206 +  
 X\_5\_207 +  
 X\_5\_208 <= 1;  
 [\_388] X\_5\_209 + X\_5\_210 + X\_5\_211 + X\_5\_212 + X\_5\_213 + X\_5\_214 +  
 X\_5\_215 +  
 X\_5\_216 <= 1;

[\_389] X\_5\_217 + X\_5\_218 + X\_5\_219 + X\_5\_220 + X\_5\_221 + X\_5\_222 +  
 X\_5\_223 +  
 X\_5\_224 <= 1;  
 [\_390] X\_5\_225 + X\_5\_226 + X\_5\_227 + X\_5\_228 + X\_5\_229 + X\_5\_230 +  
 X\_5\_231 +  
 X\_5\_232 <= 1;  
 [\_391] X\_5\_233 + X\_5\_234 + X\_5\_235 + X\_5\_236 + X\_5\_237 + X\_5\_238 +  
 X\_5\_239 +  
 X\_5\_240 <= 1;  
 [\_392] X\_6\_1 + X\_6\_2 + X\_6\_3 + X\_6\_4 + X\_6\_5 + X\_6\_6 + X\_6\_7 + X\_6\_8  
 <= 1;  
 [\_393] X\_6\_9 + X\_6\_10 + X\_6\_11 + X\_6\_12 + X\_6\_13 + X\_6\_14 + X\_6\_15 +  
 X\_6\_16 <= 1;  
 [\_394] X\_6\_17 + X\_6\_18 + X\_6\_19 + X\_6\_20 + X\_6\_21 + X\_6\_22 + X\_6\_23 +  
 X\_6\_24 <= 1;  
 [\_395] X\_6\_25 + X\_6\_26 + X\_6\_27 + X\_6\_28 + X\_6\_29 + X\_6\_30 + X\_6\_31 +  
 X\_6\_32 <= 1;  
 [\_396] X\_6\_33 + X\_6\_34 + X\_6\_35 + X\_6\_36 + X\_6\_37 + X\_6\_38 + X\_6\_39 +  
 X\_6\_40 <= 1;  
 [\_397] X\_6\_41 + X\_6\_42 + X\_6\_43 + X\_6\_44 + X\_6\_45 + X\_6\_46 + X\_6\_47 +  
 X\_6\_48 <= 1;  
 [\_398] X\_6\_49 + X\_6\_50 + X\_6\_51 + X\_6\_52 + X\_6\_53 + X\_6\_54 + X\_6\_55 +  
 X\_6\_56 <= 1;  
 [\_399] X\_6\_57 + X\_6\_58 + X\_6\_59 + X\_6\_60 + X\_6\_61 + X\_6\_62 + X\_6\_63 +  
 X\_6\_64 <= 1;  
 [\_400] X\_6\_65 + X\_6\_66 + X\_6\_67 + X\_6\_68 + X\_6\_69 + X\_6\_70 + X\_6\_71 +  
 X\_6\_72 <= 1;  
 [\_401] X\_6\_73 + X\_6\_74 + X\_6\_75 + X\_6\_76 + X\_6\_77 + X\_6\_78 + X\_6\_79 +  
 X\_6\_80 <= 1;  
 [\_402] X\_6\_81 + X\_6\_82 + X\_6\_83 + X\_6\_84 + X\_6\_85 + X\_6\_86 + X\_6\_87 +  
 X\_6\_88 <= 1;  
 [\_403] X\_6\_89 + X\_6\_90 + X\_6\_91 + X\_6\_92 + X\_6\_93 + X\_6\_94 + X\_6\_95 +  
 X\_6\_96 <= 1;  
 [\_404] X\_6\_97 + X\_6\_98 + X\_6\_99 + X\_6\_100 + X\_6\_101 + X\_6\_102 +  
 X\_6\_103 + X\_6\_104  
 <= 1;  
 [\_405] X\_6\_105 + X\_6\_106 + X\_6\_107 + X\_6\_108 + X\_6\_109 + X\_6\_110 +  
 X\_6\_111 +  
 X\_6\_112 <= 1;  
 [\_406] X\_6\_113 + X\_6\_114 + X\_6\_115 + X\_6\_116 + X\_6\_117 + X\_6\_118 +  
 X\_6\_119 +  
 X\_6\_120 <= 1;  
 [\_407] X\_6\_121 + X\_6\_122 + X\_6\_123 + X\_6\_124 + X\_6\_125 + X\_6\_126 +  
 X\_6\_127 +  
 X\_6\_128 <= 1;  
 [\_408] X\_6\_129 + X\_6\_130 + X\_6\_131 + X\_6\_132 + X\_6\_133 + X\_6\_134 +  
 X\_6\_135 +  
 X\_6\_136 <= 1;  
 [\_409] X\_6\_137 + X\_6\_138 + X\_6\_139 + X\_6\_140 + X\_6\_141 + X\_6\_142 +  
 X\_6\_143 +  
 X\_6\_144 <= 1;  
 [\_410] X\_6\_145 + X\_6\_146 + X\_6\_147 + X\_6\_148 + X\_6\_149 + X\_6\_150 +  
 X\_6\_151 +  
 X\_6\_152 <= 1;  
 [\_411] X\_6\_153 + X\_6\_154 + X\_6\_155 + X\_6\_156 + X\_6\_157 + X\_6\_158 +  
 X\_6\_159 +  
 X\_6\_160 <= 1;

[\_412] X\_6\_161 + X\_6\_162 + X\_6\_163 + X\_6\_164 + X\_6\_165 + X\_6\_166 +  
 X\_6\_167 +  
 X\_6\_168 <= 1;  
 [\_413] X\_6\_169 + X\_6\_170 + X\_6\_171 + X\_6\_172 + X\_6\_173 + X\_6\_174 +  
 X\_6\_175 +  
 X\_6\_176 <= 1;  
 [\_414] X\_6\_177 + X\_6\_178 + X\_6\_179 + X\_6\_180 + X\_6\_181 + X\_6\_182 +  
 X\_6\_183 +  
 X\_6\_184 <= 1;  
 [\_415] X\_6\_185 + X\_6\_186 + X\_6\_187 + X\_6\_188 + X\_6\_189 + X\_6\_190 +  
 X\_6\_191 +  
 X\_6\_192 <= 1;  
 [\_416] X\_6\_193 + X\_6\_194 + X\_6\_195 + X\_6\_196 + X\_6\_197 + X\_6\_198 +  
 X\_6\_199 +  
 X\_6\_200 <= 1;  
 [\_417] X\_6\_201 + X\_6\_202 + X\_6\_203 + X\_6\_204 + X\_6\_205 + X\_6\_206 +  
 X\_6\_207 +  
 X\_6\_208 <= 1;  
 [\_418] X\_6\_209 + X\_6\_210 + X\_6\_211 + X\_6\_212 + X\_6\_213 + X\_6\_214 +  
 X\_6\_215 +  
 X\_6\_216 <= 1;  
 [\_419] X\_6\_217 + X\_6\_218 + X\_6\_219 + X\_6\_220 + X\_6\_221 + X\_6\_222 +  
 X\_6\_223 +  
 X\_6\_224 <= 1;  
 [\_420] X\_6\_225 + X\_6\_226 + X\_6\_227 + X\_6\_228 + X\_6\_229 + X\_6\_230 +  
 X\_6\_231 +  
 X\_6\_232 <= 1;  
 [\_421] X\_6\_233 + X\_6\_234 + X\_6\_235 + X\_6\_236 + X\_6\_237 + X\_6\_238 +  
 X\_6\_239 +  
 X\_6\_240 <= 1;  
 [\_422] X\_7\_1 + X\_7\_2 + X\_7\_3 + X\_7\_4 + X\_7\_5 + X\_7\_6 + X\_7\_7 + X\_7\_8  
 <= 1;  
 [\_423] X\_7\_9 + X\_7\_10 + X\_7\_11 + X\_7\_12 + X\_7\_13 + X\_7\_14 + X\_7\_15 +  
 X\_7\_16 <= 1;  
 [\_424] X\_7\_17 + X\_7\_18 + X\_7\_19 + X\_7\_20 + X\_7\_21 + X\_7\_22 + X\_7\_23 +  
 X\_7\_24 <= 1;  
 [\_425] X\_7\_25 + X\_7\_26 + X\_7\_27 + X\_7\_28 + X\_7\_29 + X\_7\_30 + X\_7\_31 +  
 X\_7\_32 <= 1;  
 [\_426] X\_7\_33 + X\_7\_34 + X\_7\_35 + X\_7\_36 + X\_7\_37 + X\_7\_38 + X\_7\_39 +  
 X\_7\_40 <= 1;  
 [\_427] X\_7\_41 + X\_7\_42 + X\_7\_43 + X\_7\_44 + X\_7\_45 + X\_7\_46 + X\_7\_47 +  
 X\_7\_48 <= 1;  
 [\_428] X\_7\_49 + X\_7\_50 + X\_7\_51 + X\_7\_52 + X\_7\_53 + X\_7\_54 + X\_7\_55 +  
 X\_7\_56 <= 1;  
 [\_429] X\_7\_57 + X\_7\_58 + X\_7\_59 + X\_7\_60 + X\_7\_61 + X\_7\_62 + X\_7\_63 +  
 X\_7\_64 <= 1;  
 [\_430] X\_7\_65 + X\_7\_66 + X\_7\_67 + X\_7\_68 + X\_7\_69 + X\_7\_70 + X\_7\_71 +  
 X\_7\_72 <= 1;  
 [\_431] X\_7\_73 + X\_7\_74 + X\_7\_75 + X\_7\_76 + X\_7\_77 + X\_7\_78 + X\_7\_79 +  
 X\_7\_80 <= 1;  
 [\_432] X\_7\_81 + X\_7\_82 + X\_7\_83 + X\_7\_84 + X\_7\_85 + X\_7\_86 + X\_7\_87 +  
 X\_7\_88 <= 1;  
 [\_433] X\_7\_89 + X\_7\_90 + X\_7\_91 + X\_7\_92 + X\_7\_93 + X\_7\_94 + X\_7\_95 +  
 X\_7\_96 <= 1;  
 [\_434] X\_7\_97 + X\_7\_98 + X\_7\_99 + X\_7\_100 + X\_7\_101 + X\_7\_102 +  
 X\_7\_103 + X\_7\_104  
 <= 1;

[\_435] X\_7\_105 + X\_7\_106 + X\_7\_107 + X\_7\_108 + X\_7\_109 + X\_7\_110 +  
 X\_7\_111 +  
 X\_7\_112 <= 1;  
 [\_436] X\_7\_113 + X\_7\_114 + X\_7\_115 + X\_7\_116 + X\_7\_117 + X\_7\_118 +  
 X\_7\_119 +  
 X\_7\_120 <= 1;  
 [\_437] X\_7\_121 + X\_7\_122 + X\_7\_123 + X\_7\_124 + X\_7\_125 + X\_7\_126 +  
 X\_7\_127 +  
 X\_7\_128 <= 1;  
 [\_438] X\_7\_129 + X\_7\_130 + X\_7\_131 + X\_7\_132 + X\_7\_133 + X\_7\_134 +  
 X\_7\_135 +  
 X\_7\_136 <= 1;  
 [\_439] X\_7\_137 + X\_7\_138 + X\_7\_139 + X\_7\_140 + X\_7\_141 + X\_7\_142 +  
 X\_7\_143 +  
 X\_7\_144 <= 1;  
 [\_440] X\_7\_145 + X\_7\_146 + X\_7\_147 + X\_7\_148 + X\_7\_149 + X\_7\_150 +  
 X\_7\_151 +  
 X\_7\_152 <= 1;  
 [\_441] X\_7\_153 + X\_7\_154 + X\_7\_155 + X\_7\_156 + X\_7\_157 + X\_7\_158 +  
 X\_7\_159 +  
 X\_7\_160 <= 1;  
 [\_442] X\_7\_161 + X\_7\_162 + X\_7\_163 + X\_7\_164 + X\_7\_165 + X\_7\_166 +  
 X\_7\_167 +  
 X\_7\_168 <= 1;  
 [\_443] X\_7\_169 + X\_7\_170 + X\_7\_171 + X\_7\_172 + X\_7\_173 + X\_7\_174 +  
 X\_7\_175 +  
 X\_7\_176 <= 1;  
 [\_444] X\_7\_177 + X\_7\_178 + X\_7\_179 + X\_7\_180 + X\_7\_181 + X\_7\_182 +  
 X\_7\_183 +  
 X\_7\_184 <= 1;  
 [\_445] X\_7\_185 + X\_7\_186 + X\_7\_187 + X\_7\_188 + X\_7\_189 + X\_7\_190 +  
 X\_7\_191 +  
 X\_7\_192 <= 1;  
 [\_446] X\_7\_193 + X\_7\_194 + X\_7\_195 + X\_7\_196 + X\_7\_197 + X\_7\_198 +  
 X\_7\_199 +  
 X\_7\_200 <= 1;  
 [\_447] X\_7\_201 + X\_7\_202 + X\_7\_203 + X\_7\_204 + X\_7\_205 + X\_7\_206 +  
 X\_7\_207 +  
 X\_7\_208 <= 1;  
 [\_448] X\_7\_209 + X\_7\_210 + X\_7\_211 + X\_7\_212 + X\_7\_213 + X\_7\_214 +  
 X\_7\_215 +  
 X\_7\_216 <= 1;  
 [\_449] X\_7\_217 + X\_7\_218 + X\_7\_219 + X\_7\_220 + X\_7\_221 + X\_7\_222 +  
 X\_7\_223 +  
 X\_7\_224 <= 1;  
 [\_450] X\_7\_225 + X\_7\_226 + X\_7\_227 + X\_7\_228 + X\_7\_229 + X\_7\_230 +  
 X\_7\_231 +  
 X\_7\_232 <= 1;  
 [\_451] X\_7\_233 + X\_7\_234 + X\_7\_235 + X\_7\_236 + X\_7\_237 + X\_7\_238 +  
 X\_7\_239 +  
 X\_7\_240 <= 1;  
 [\_452] X\_8\_1 + X\_8\_2 + X\_8\_3 + X\_8\_4 + X\_8\_5 + X\_8\_6 + X\_8\_7 + X\_8\_8  
 <= 1;  
 [\_453] X\_8\_9 + X\_8\_10 + X\_8\_11 + X\_8\_12 + X\_8\_13 + X\_8\_14 + X\_8\_15 +  
 X\_8\_16 <= 1;  
 [\_454] X\_8\_17 + X\_8\_18 + X\_8\_19 + X\_8\_20 + X\_8\_21 + X\_8\_22 + X\_8\_23 +  
 X\_8\_24 <= 1;

[\_455] X\_8\_25 + X\_8\_26 + X\_8\_27 + X\_8\_28 + X\_8\_29 + X\_8\_30 + X\_8\_31 +  
 X\_8\_32 <= 1;  
 [\_456] X\_8\_33 + X\_8\_34 + X\_8\_35 + X\_8\_36 + X\_8\_37 + X\_8\_38 + X\_8\_39 +  
 X\_8\_40 <= 1;  
 [\_457] X\_8\_41 + X\_8\_42 + X\_8\_43 + X\_8\_44 + X\_8\_45 + X\_8\_46 + X\_8\_47 +  
 X\_8\_48 <= 1;  
 [\_458] X\_8\_49 + X\_8\_50 + X\_8\_51 + X\_8\_52 + X\_8\_53 + X\_8\_54 + X\_8\_55 +  
 X\_8\_56 <= 1;  
 [\_459] X\_8\_57 + X\_8\_58 + X\_8\_59 + X\_8\_60 + X\_8\_61 + X\_8\_62 + X\_8\_63 +  
 X\_8\_64 <= 1;  
 [\_460] X\_8\_65 + X\_8\_66 + X\_8\_67 + X\_8\_68 + X\_8\_69 + X\_8\_70 + X\_8\_71 +  
 X\_8\_72 <= 1;  
 [\_461] X\_8\_73 + X\_8\_74 + X\_8\_75 + X\_8\_76 + X\_8\_77 + X\_8\_78 + X\_8\_79 +  
 X\_8\_80 <= 1;  
 [\_462] X\_8\_81 + X\_8\_82 + X\_8\_83 + X\_8\_84 + X\_8\_85 + X\_8\_86 + X\_8\_87 +  
 X\_8\_88 <= 1;  
 [\_463] X\_8\_89 + X\_8\_90 + X\_8\_91 + X\_8\_92 + X\_8\_93 + X\_8\_94 + X\_8\_95 +  
 X\_8\_96 <= 1;  
 [\_464] X\_8\_97 + X\_8\_98 + X\_8\_99 + X\_8\_100 + X\_8\_101 + X\_8\_102 +  
 X\_8\_103 + X\_8\_104  
 <= 1;  
 [\_465] X\_8\_105 + X\_8\_106 + X\_8\_107 + X\_8\_108 + X\_8\_109 + X\_8\_110 +  
 X\_8\_111 +  
 X\_8\_112 <= 1;  
 [\_466] X\_8\_113 + X\_8\_114 + X\_8\_115 + X\_8\_116 + X\_8\_117 + X\_8\_118 +  
 X\_8\_119 +  
 X\_8\_120 <= 1;  
 [\_467] X\_8\_121 + X\_8\_122 + X\_8\_123 + X\_8\_124 + X\_8\_125 + X\_8\_126 +  
 X\_8\_127 +  
 X\_8\_128 <= 1;  
 [\_468] X\_8\_129 + X\_8\_130 + X\_8\_131 + X\_8\_132 + X\_8\_133 + X\_8\_134 +  
 X\_8\_135 +  
 X\_8\_136 <= 1;  
 [\_469] X\_8\_137 + X\_8\_138 + X\_8\_139 + X\_8\_140 + X\_8\_141 + X\_8\_142 +  
 X\_8\_143 +  
 X\_8\_144 <= 1;  
 [\_470] X\_8\_145 + X\_8\_146 + X\_8\_147 + X\_8\_148 + X\_8\_149 + X\_8\_150 +  
 X\_8\_151 +  
 X\_8\_152 <= 1;  
 [\_471] X\_8\_153 + X\_8\_154 + X\_8\_155 + X\_8\_156 + X\_8\_157 + X\_8\_158 +  
 X\_8\_159 +  
 X\_8\_160 <= 1;  
 [\_472] X\_8\_161 + X\_8\_162 + X\_8\_163 + X\_8\_164 + X\_8\_165 + X\_8\_166 +  
 X\_8\_167 +  
 X\_8\_168 <= 1;  
 [\_473] X\_8\_169 + X\_8\_170 + X\_8\_171 + X\_8\_172 + X\_8\_173 + X\_8\_174 +  
 X\_8\_175 +  
 X\_8\_176 <= 1;  
 [\_474] X\_8\_177 + X\_8\_178 + X\_8\_179 + X\_8\_180 + X\_8\_181 + X\_8\_182 +  
 X\_8\_183 +  
 X\_8\_184 <= 1;  
 [\_475] X\_8\_185 + X\_8\_186 + X\_8\_187 + X\_8\_188 + X\_8\_189 + X\_8\_190 +  
 X\_8\_191 +  
 X\_8\_192 <= 1;  
 [\_476] X\_8\_193 + X\_8\_194 + X\_8\_195 + X\_8\_196 + X\_8\_197 + X\_8\_198 +  
 X\_8\_199 +  
 X\_8\_200 <= 1;

[\_477] X\_8\_201 + X\_8\_202 + X\_8\_203 + X\_8\_204 + X\_8\_205 + X\_8\_206 +  
 X\_8\_207 +  
 X\_8\_208 <= 1;  
 [\_478] X\_8\_209 + X\_8\_210 + X\_8\_211 + X\_8\_212 + X\_8\_213 + X\_8\_214 +  
 X\_8\_215 +  
 X\_8\_216 <= 1;  
 [\_479] X\_8\_217 + X\_8\_218 + X\_8\_219 + X\_8\_220 + X\_8\_221 + X\_8\_222 +  
 X\_8\_223 +  
 X\_8\_224 <= 1;  
 [\_480] X\_8\_225 + X\_8\_226 + X\_8\_227 + X\_8\_228 + X\_8\_229 + X\_8\_230 +  
 X\_8\_231 +  
 X\_8\_232 <= 1;  
 [\_481] X\_8\_233 + X\_8\_234 + X\_8\_235 + X\_8\_236 + X\_8\_237 + X\_8\_238 +  
 X\_8\_239 +  
 X\_8\_240 <= 1;  
 [\_482] X\_9\_1 + X\_9\_2 + X\_9\_3 + X\_9\_4 + X\_9\_5 + X\_9\_6 + X\_9\_7 + X\_9\_8  
 <= 1;  
 [\_483] X\_9\_9 + X\_9\_10 + X\_9\_11 + X\_9\_12 + X\_9\_13 + X\_9\_14 + X\_9\_15 +  
 X\_9\_16 <= 1;  
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 [\_486] X\_9\_33 + X\_9\_34 + X\_9\_35 + X\_9\_36 + X\_9\_37 + X\_9\_38 + X\_9\_39 +  
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 [\_487] X\_9\_41 + X\_9\_42 + X\_9\_43 + X\_9\_44 + X\_9\_45 + X\_9\_46 + X\_9\_47 +  
 X\_9\_48 <= 1;  
 [\_488] X\_9\_49 + X\_9\_50 + X\_9\_51 + X\_9\_52 + X\_9\_53 + X\_9\_54 + X\_9\_55 +  
 X\_9\_56 <= 1;  
 [\_489] X\_9\_57 + X\_9\_58 + X\_9\_59 + X\_9\_60 + X\_9\_61 + X\_9\_62 + X\_9\_63 +  
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 [\_490] X\_9\_65 + X\_9\_66 + X\_9\_67 + X\_9\_68 + X\_9\_69 + X\_9\_70 + X\_9\_71 +  
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 [\_492] X\_9\_81 + X\_9\_82 + X\_9\_83 + X\_9\_84 + X\_9\_85 + X\_9\_86 + X\_9\_87 +  
 X\_9\_88 <= 1;  
 [\_493] X\_9\_89 + X\_9\_90 + X\_9\_91 + X\_9\_92 + X\_9\_93 + X\_9\_94 + X\_9\_95 +  
 X\_9\_96 <= 1;  
 [\_494] X\_9\_97 + X\_9\_98 + X\_9\_99 + X\_9\_100 + X\_9\_101 + X\_9\_102 +  
 X\_9\_103 + X\_9\_104  
 <= 1;  
 [\_495] X\_9\_105 + X\_9\_106 + X\_9\_107 + X\_9\_108 + X\_9\_109 + X\_9\_110 +  
 X\_9\_111 +  
 X\_9\_112 <= 1;  
 [\_496] X\_9\_113 + X\_9\_114 + X\_9\_115 + X\_9\_116 + X\_9\_117 + X\_9\_118 +  
 X\_9\_119 +  
 X\_9\_120 <= 1;  
 [\_497] X\_9\_121 + X\_9\_122 + X\_9\_123 + X\_9\_124 + X\_9\_125 + X\_9\_126 +  
 X\_9\_127 +  
 X\_9\_128 <= 1;  
 [\_498] X\_9\_129 + X\_9\_130 + X\_9\_131 + X\_9\_132 + X\_9\_133 + X\_9\_134 +  
 X\_9\_135 +  
 X\_9\_136 <= 1;  
 [\_499] X\_9\_137 + X\_9\_138 + X\_9\_139 + X\_9\_140 + X\_9\_141 + X\_9\_142 +  
 X\_9\_143 +  
 X\_9\_144 <= 1;



[\_500] X\_9\_145 + X\_9\_146 + X\_9\_147 + X\_9\_148 + X\_9\_149 + X\_9\_150 +  
 X\_9\_151 +  
 X\_9\_152 <= 1;  
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 X\_9\_159 +  
 X\_9\_160 <= 1;  
 [\_502] X\_9\_161 + X\_9\_162 + X\_9\_163 + X\_9\_164 + X\_9\_165 + X\_9\_166 +  
 X\_9\_167 +  
 X\_9\_168 <= 1;  
 [\_503] X\_9\_169 + X\_9\_170 + X\_9\_171 + X\_9\_172 + X\_9\_173 + X\_9\_174 +  
 X\_9\_175 +  
 X\_9\_176 <= 1;  
 [\_504] X\_9\_177 + X\_9\_178 + X\_9\_179 + X\_9\_180 + X\_9\_181 + X\_9\_182 +  
 X\_9\_183 +  
 X\_9\_184 <= 1;  
 [\_505] X\_9\_185 + X\_9\_186 + X\_9\_187 + X\_9\_188 + X\_9\_189 + X\_9\_190 +  
 X\_9\_191 +  
 X\_9\_192 <= 1;  
 [\_506] X\_9\_193 + X\_9\_194 + X\_9\_195 + X\_9\_196 + X\_9\_197 + X\_9\_198 +  
 X\_9\_199 +  
 X\_9\_200 <= 1;  
 [\_507] X\_9\_201 + X\_9\_202 + X\_9\_203 + X\_9\_204 + X\_9\_205 + X\_9\_206 +  
 X\_9\_207 +  
 X\_9\_208 <= 1;  
 [\_508] X\_9\_209 + X\_9\_210 + X\_9\_211 + X\_9\_212 + X\_9\_213 + X\_9\_214 +  
 X\_9\_215 +  
 X\_9\_216 <= 1;  
 [\_509] X\_9\_217 + X\_9\_218 + X\_9\_219 + X\_9\_220 + X\_9\_221 + X\_9\_222 +  
 X\_9\_223 +  
 X\_9\_224 <= 1;  
 [\_510] X\_9\_225 + X\_9\_226 + X\_9\_227 + X\_9\_228 + X\_9\_229 + X\_9\_230 +  
 X\_9\_231 +  
 X\_9\_232 <= 1;  
 [\_511] X\_9\_233 + X\_9\_234 + X\_9\_235 + X\_9\_236 + X\_9\_237 + X\_9\_238 +  
 X\_9\_239 +  
 X\_9\_240 <= 1;  
 [\_512] X\_10\_1 + X\_10\_2 + X\_10\_3 + X\_10\_4 + X\_10\_5 + X\_10\_6 + X\_10\_7 +  
 X\_10\_8 <= 1;  
 [\_513] X\_10\_9 + X\_10\_10 + X\_10\_11 + X\_10\_12 + X\_10\_13 + X\_10\_14 +  
 X\_10\_15 + X\_10\_16  
 <= 1;  
 [\_514] X\_10\_17 + X\_10\_18 + X\_10\_19 + X\_10\_20 + X\_10\_21 + X\_10\_22 +  
 X\_10\_23 +  
 X\_10\_24 <= 1;  
 [\_515] X\_10\_25 + X\_10\_26 + X\_10\_27 + X\_10\_28 + X\_10\_29 + X\_10\_30 +  
 X\_10\_31 +  
 X\_10\_32 <= 1;  
 [\_516] X\_10\_33 + X\_10\_34 + X\_10\_35 + X\_10\_36 + X\_10\_37 + X\_10\_38 +  
 X\_10\_39 +  
 X\_10\_40 <= 1;  
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 X\_10\_47 +  
 X\_10\_48 <= 1;  
 [\_518] X\_10\_49 + X\_10\_50 + X\_10\_51 + X\_10\_52 + X\_10\_53 + X\_10\_54 +  
 X\_10\_55 +  
 X\_10\_56 <= 1;

[\_519] X\_10\_57 + X\_10\_58 + X\_10\_59 + X\_10\_60 + X\_10\_61 + X\_10\_62 +  
 X\_10\_63 +  
 X\_10\_64 <= 1;  
 [\_520] X\_10\_65 + X\_10\_66 + X\_10\_67 + X\_10\_68 + X\_10\_69 + X\_10\_70 +  
 X\_10\_71 +  
 X\_10\_72 <= 1;  
 [\_521] X\_10\_73 + X\_10\_74 + X\_10\_75 + X\_10\_76 + X\_10\_77 + X\_10\_78 +  
 X\_10\_79 +  
 X\_10\_80 <= 1;  
 [\_522] X\_10\_81 + X\_10\_82 + X\_10\_83 + X\_10\_84 + X\_10\_85 + X\_10\_86 +  
 X\_10\_87 +  
 X\_10\_88 <= 1;  
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 X\_10\_95 +  
 X\_10\_96 <= 1;  
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 X\_10\_104 <= 1;  
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 + X\_10\_111 +  
 X\_10\_112 <= 1;  
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 + X\_10\_119 +  
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 + X\_10\_127 +  
 X\_10\_128 <= 1;  
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 + X\_10\_135 +  
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 + X\_10\_143 +  
 X\_10\_144 <= 1;  
 [\_530] X\_10\_145 + X\_10\_146 + X\_10\_147 + X\_10\_148 + X\_10\_149 + X\_10\_150  
 + X\_10\_151 +  
 X\_10\_152 <= 1;  
 [\_531] X\_10\_153 + X\_10\_154 + X\_10\_155 + X\_10\_156 + X\_10\_157 + X\_10\_158  
 + X\_10\_159 +  
 X\_10\_160 <= 1;  
 [\_532] X\_10\_161 + X\_10\_162 + X\_10\_163 + X\_10\_164 + X\_10\_165 + X\_10\_166  
 + X\_10\_167 +  
 X\_10\_168 <= 1;  
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 + X\_10\_175 +  
 X\_10\_176 <= 1;  
 [\_534] X\_10\_177 + X\_10\_178 + X\_10\_179 + X\_10\_180 + X\_10\_181 + X\_10\_182  
 + X\_10\_183 +  
 X\_10\_184 <= 1;  
 [\_535] X\_10\_185 + X\_10\_186 + X\_10\_187 + X\_10\_188 + X\_10\_189 + X\_10\_190  
 + X\_10\_191 +  
 X\_10\_192 <= 1;  
 [\_536] X\_10\_193 + X\_10\_194 + X\_10\_195 + X\_10\_196 + X\_10\_197 + X\_10\_198  
 + X\_10\_199 +  
 X\_10\_200 <= 1;  
 [\_537] X\_10\_201 + X\_10\_202 + X\_10\_203 + X\_10\_204 + X\_10\_205 + X\_10\_206  
 + X\_10\_207 +  
 X\_10\_208 <= 1;

[\_538] X\_10\_209 + X\_10\_210 + X\_10\_211 + X\_10\_212 + X\_10\_213 + X\_10\_214  
 + X\_10\_215 +  
 X\_10\_216 <= 1;  
 [\_539] X\_10\_217 + X\_10\_218 + X\_10\_219 + X\_10\_220 + X\_10\_221 + X\_10\_222  
 + X\_10\_223 +  
 X\_10\_224 <= 1;  
 [\_540] X\_10\_225 + X\_10\_226 + X\_10\_227 + X\_10\_228 + X\_10\_229 + X\_10\_230  
 + X\_10\_231 +  
 X\_10\_232 <= 1;  
 [\_541] X\_10\_233 + X\_10\_234 + X\_10\_235 + X\_10\_236 + X\_10\_237 + X\_10\_238  
 + X\_10\_239 +  
 X\_10\_240 <= 1;  
 [\_542] X\_11\_1 + X\_11\_2 + X\_11\_3 + X\_11\_4 + X\_11\_5 + X\_11\_6 + X\_11\_7 +  
 X\_11\_8 <= 1;  
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 X\_11\_15 + X\_11\_16  
 <= 1;  
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 X\_11\_23 +  
 X\_11\_24 <= 1;  
 [\_545] X\_11\_25 + X\_11\_26 + X\_11\_27 + X\_11\_28 + X\_11\_29 + X\_11\_30 +  
 X\_11\_31 +  
 X\_11\_32 <= 1;  
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 X\_11\_39 +  
 X\_11\_40 <= 1;  
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 X\_11\_47 +  
 X\_11\_48 <= 1;  
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 X\_11\_55 +  
 X\_11\_56 <= 1;  
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 X\_11\_63 +  
 X\_11\_64 <= 1;  
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 X\_11\_71 +  
 X\_11\_72 <= 1;  
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 X\_11\_79 +  
 X\_11\_80 <= 1;  
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 X\_11\_87 +  
 X\_11\_88 <= 1;  
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 X\_11\_95 +  
 X\_11\_96 <= 1;  
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 X\_11\_103 +  
 X\_11\_104 <= 1;  
 [\_555] X\_11\_105 + X\_11\_106 + X\_11\_107 + X\_11\_108 + X\_11\_109 + X\_11\_110  
 + X\_11\_111 +  
 X\_11\_112 <= 1;  
 [\_556] X\_11\_113 + X\_11\_114 + X\_11\_115 + X\_11\_116 + X\_11\_117 + X\_11\_118  
 + X\_11\_119 +  
 X\_11\_120 <= 1;

[\_557] X\_11\_121 + X\_11\_122 + X\_11\_123 + X\_11\_124 + X\_11\_125 + X\_11\_126  
 + X\_11\_127 +  
 X\_11\_128 <= 1;  
 [\_558] X\_11\_129 + X\_11\_130 + X\_11\_131 + X\_11\_132 + X\_11\_133 + X\_11\_134  
 + X\_11\_135 +  
 X\_11\_136 <= 1;  
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 + X\_11\_143 +  
 X\_11\_144 <= 1;  
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 + X\_11\_151 +  
 X\_11\_152 <= 1;  
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 + X\_11\_159 +  
 X\_11\_160 <= 1;  
 [\_562] X\_11\_161 + X\_11\_162 + X\_11\_163 + X\_11\_164 + X\_11\_165 + X\_11\_166  
 + X\_11\_167 +  
 X\_11\_168 <= 1;  
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 + X\_11\_175 +  
 X\_11\_176 <= 1;  
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 + X\_11\_183 +  
 X\_11\_184 <= 1;  
 [\_565] X\_11\_185 + X\_11\_186 + X\_11\_187 + X\_11\_188 + X\_11\_189 + X\_11\_190  
 + X\_11\_191 +  
 X\_11\_192 <= 1;  
 [\_566] X\_11\_193 + X\_11\_194 + X\_11\_195 + X\_11\_196 + X\_11\_197 + X\_11\_198  
 + X\_11\_199 +  
 X\_11\_200 <= 1;  
 [\_567] X\_11\_201 + X\_11\_202 + X\_11\_203 + X\_11\_204 + X\_11\_205 + X\_11\_206  
 + X\_11\_207 +  
 X\_11\_208 <= 1;  
 [\_568] X\_11\_209 + X\_11\_210 + X\_11\_211 + X\_11\_212 + X\_11\_213 + X\_11\_214  
 + X\_11\_215 +  
 X\_11\_216 <= 1;  
 [\_569] X\_11\_217 + X\_11\_218 + X\_11\_219 + X\_11\_220 + X\_11\_221 + X\_11\_222  
 + X\_11\_223 +  
 X\_11\_224 <= 1;  
 [\_570] X\_11\_225 + X\_11\_226 + X\_11\_227 + X\_11\_228 + X\_11\_229 + X\_11\_230  
 + X\_11\_231 +  
 X\_11\_232 <= 1;  
 [\_571] X\_11\_233 + X\_11\_234 + X\_11\_235 + X\_11\_236 + X\_11\_237 + X\_11\_238  
 + X\_11\_239 +  
 X\_11\_240 <= 1;  
 [\_572] X\_12\_1 + X\_12\_2 + X\_12\_3 + X\_12\_4 + X\_12\_5 + X\_12\_6 + X\_12\_7 +  
 X\_12\_8 <= 1;  
 [\_573] X\_12\_9 + X\_12\_10 + X\_12\_11 + X\_12\_12 + X\_12\_13 + X\_12\_14 +  
 X\_12\_15 + X\_12\_16  
 <= 1;  
 [\_574] X\_12\_17 + X\_12\_18 + X\_12\_19 + X\_12\_20 + X\_12\_21 + X\_12\_22 +  
 X\_12\_23 +  
 X\_12\_24 <= 1;  
 [\_575] X\_12\_25 + X\_12\_26 + X\_12\_27 + X\_12\_28 + X\_12\_29 + X\_12\_30 +  
 X\_12\_31 +  
 X\_12\_32 <= 1;

[\_576] X\_12\_33 + X\_12\_34 + X\_12\_35 + X\_12\_36 + X\_12\_37 + X\_12\_38 +  
 X\_12\_39 +  
 X\_12\_40 <= 1;  
 [\_577] X\_12\_41 + X\_12\_42 + X\_12\_43 + X\_12\_44 + X\_12\_45 + X\_12\_46 +  
 X\_12\_47 +  
 X\_12\_48 <= 1;  
 [\_578] X\_12\_49 + X\_12\_50 + X\_12\_51 + X\_12\_52 + X\_12\_53 + X\_12\_54 +  
 X\_12\_55 +  
 X\_12\_56 <= 1;  
 [\_579] X\_12\_57 + X\_12\_58 + X\_12\_59 + X\_12\_60 + X\_12\_61 + X\_12\_62 +  
 X\_12\_63 +  
 X\_12\_64 <= 1;  
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 X\_12\_72 <= 1;  
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 X\_12\_80 <= 1;  
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 X\_12\_87 +  
 X\_12\_88 <= 1;  
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 X\_12\_96 <= 1;  
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 X\_12\_103 +  
 X\_12\_104 <= 1;  
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 + X\_12\_111 +  
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 + X\_12\_119 +  
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 + X\_12\_143 +  
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 X\_14\_31 +  
 X\_14\_32 <= 1;  
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 X\_14\_39 +  
 X\_14\_40 <= 1;  
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 X\_14\_47 +  
 X\_14\_48 <= 1;  
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 X\_14\_56 <= 1;  
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 X\_14\_64 <= 1;  
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 + X\_16\_143 +  
 X\_16\_144 <= 1;  
 [\_710] X\_16\_145 + X\_16\_146 + X\_16\_147 + X\_16\_148 + X\_16\_149 + X\_16\_150  
 + X\_16\_151 +  
 X\_16\_152 <= 1;  
 [\_711] X\_16\_153 + X\_16\_154 + X\_16\_155 + X\_16\_156 + X\_16\_157 + X\_16\_158  
 + X\_16\_159 +  
 X\_16\_160 <= 1;  
 [\_712] X\_16\_161 + X\_16\_162 + X\_16\_163 + X\_16\_164 + X\_16\_165 + X\_16\_166  
 + X\_16\_167 +  
 X\_16\_168 <= 1;  
 [\_713] X\_16\_169 + X\_16\_170 + X\_16\_171 + X\_16\_172 + X\_16\_173 + X\_16\_174  
 + X\_16\_175 +  
 X\_16\_176 <= 1;  
 [\_714] X\_16\_177 + X\_16\_178 + X\_16\_179 + X\_16\_180 + X\_16\_181 + X\_16\_182  
 + X\_16\_183 +  
 X\_16\_184 <= 1;  
 [\_715] X\_16\_185 + X\_16\_186 + X\_16\_187 + X\_16\_188 + X\_16\_189 + X\_16\_190  
 + X\_16\_191 +  
 X\_16\_192 <= 1;  
 [\_716] X\_16\_193 + X\_16\_194 + X\_16\_195 + X\_16\_196 + X\_16\_197 + X\_16\_198  
 + X\_16\_199 +  
 X\_16\_200 <= 1;  
 [\_717] X\_16\_201 + X\_16\_202 + X\_16\_203 + X\_16\_204 + X\_16\_205 + X\_16\_206  
 + X\_16\_207 +  
 X\_16\_208 <= 1;  
 [\_718] X\_16\_209 + X\_16\_210 + X\_16\_211 + X\_16\_212 + X\_16\_213 + X\_16\_214  
 + X\_16\_215 +  
 X\_16\_216 <= 1;  
 [\_719] X\_16\_217 + X\_16\_218 + X\_16\_219 + X\_16\_220 + X\_16\_221 + X\_16\_222  
 + X\_16\_223 +  
 X\_16\_224 <= 1;  
 [\_720] X\_16\_225 + X\_16\_226 + X\_16\_227 + X\_16\_228 + X\_16\_229 + X\_16\_230  
 + X\_16\_231 +  
 X\_16\_232 <= 1;  
 [\_721] X\_16\_233 + X\_16\_234 + X\_16\_235 + X\_16\_236 + X\_16\_237 + X\_16\_238  
 + X\_16\_239 +  
 X\_16\_240 <= 1;  
 [\_722] X\_17\_1 + X\_17\_2 + X\_17\_3 + X\_17\_4 + X\_17\_5 + X\_17\_6 + X\_17\_7 +  
 X\_17\_8 <= 1;  
 [\_723] X\_17\_9 + X\_17\_10 + X\_17\_11 + X\_17\_12 + X\_17\_13 + X\_17\_14 +  
 X\_17\_15 + X\_17\_16  
 <= 1;  
 [\_724] X\_17\_17 + X\_17\_18 + X\_17\_19 + X\_17\_20 + X\_17\_21 + X\_17\_22 +  
 X\_17\_23 +  
 X\_17\_24 <= 1;  
 [\_725] X\_17\_25 + X\_17\_26 + X\_17\_27 + X\_17\_28 + X\_17\_29 + X\_17\_30 +  
 X\_17\_31 +  
 X\_17\_32 <= 1;  
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 X\_17\_39 +  
 X\_17\_40 <= 1;  
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 X\_17\_47 +  
 X\_17\_48 <= 1;

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 X\_17\_56 <= 1;  
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 X\_17\_63 +  
 X\_17\_64 <= 1;  
 [\_730] X\_17\_65 + X\_17\_66 + X\_17\_67 + X\_17\_68 + X\_17\_69 + X\_17\_70 +  
 X\_17\_71 +  
 X\_17\_72 <= 1;  
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 X\_17\_80 <= 1;  
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 X\_17\_88 <= 1;  
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 X\_17\_104 <= 1;  
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 + X\_17\_151 +  
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 + X\_17\_159 +  
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 X\_17\_192 <= 1;  
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 X\_17\_208 <= 1;  
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 X\_17\_240 <= 1;  
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 X\_18\_40 <= 1;  
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 X\_18\_48 <= 1;  
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 X\_18\_56 <= 1;  
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 X\_18\_63 +  
 X\_18\_64 <= 1;  
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 X\_18\_72 <= 1;  
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 X\_18\_96 <= 1;  
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 X\_18\_104 <= 1;  
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 X\_18\_112 <= 1;

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 X\_18\_120 <= 1;  
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 X\_18\_128 <= 1;  
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 X\_18\_192 <= 1;  
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 X\_18\_200 <= 1;  
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 X\_18\_208 <= 1;  
 [\_778] X\_18\_209 + X\_18\_210 + X\_18\_211 + X\_18\_212 + X\_18\_213 + X\_18\_214  
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 + X\_18\_239 +  
 X\_18\_240 <= 1;  
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 <= 1;  
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 X\_19\_23 +  
 X\_19\_24 <= 1;

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 X\_19\_32 <= 1;  
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 X\_19\_40 <= 1;  
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 X\_19\_48 <= 1;  
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 X\_19\_72 <= 1;  
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 X\_19\_80 <= 1;  
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 X\_19\_104 <= 1;  
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 + X\_19\_111 +  
 X\_19\_112 <= 1;  
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 + X\_19\_167 +  
 X\_19\_168 <= 1;  
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 + X\_19\_175 +  
 X\_19\_176 <= 1;



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 X\_20\_88 <= 1;

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 X\_20\_168 <= 1;  
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 + X\_20\_207 +  
 X\_20\_208 <= 1;  
 [\_838] X\_20\_209 + X\_20\_210 + X\_20\_211 + X\_20\_212 + X\_20\_213 + X\_20\_214  
 + X\_20\_215 +  
 X\_20\_216 <= 1;  
 [\_839] X\_20\_217 + X\_20\_218 + X\_20\_219 + X\_20\_220 + X\_20\_221 + X\_20\_222  
 + X\_20\_223 +  
 X\_20\_224 <= 1;  
 [\_840] X\_20\_225 + X\_20\_226 + X\_20\_227 + X\_20\_228 + X\_20\_229 + X\_20\_230  
 + X\_20\_231 +  
 X\_20\_232 <= 1;  
 [\_841] X\_20\_233 + X\_20\_234 + X\_20\_235 + X\_20\_236 + X\_20\_237 + X\_20\_238  
 + X\_20\_239 +  
 X\_20\_240 <= 1;

[\_842] X\_21\_1 + X\_21\_2 + X\_21\_3 + X\_21\_4 + X\_21\_5 + X\_21\_6 + X\_21\_7 +  
 X\_21\_8 <= 1;  
 [\_843] X\_21\_9 + X\_21\_10 + X\_21\_11 + X\_21\_12 + X\_21\_13 + X\_21\_14 +  
 X\_21\_15 + X\_21\_16  
 <= 1;  
 [\_844] X\_21\_17 + X\_21\_18 + X\_21\_19 + X\_21\_20 + X\_21\_21 + X\_21\_22 +  
 X\_21\_23 +  
 X\_21\_24 <= 1;  
 [\_845] X\_21\_25 + X\_21\_26 + X\_21\_27 + X\_21\_28 + X\_21\_29 + X\_21\_30 +  
 X\_21\_31 +  
 X\_21\_32 <= 1;  
 [\_846] X\_21\_33 + X\_21\_34 + X\_21\_35 + X\_21\_36 + X\_21\_37 + X\_21\_38 +  
 X\_21\_39 +  
 X\_21\_40 <= 1;  
 [\_847] X\_21\_41 + X\_21\_42 + X\_21\_43 + X\_21\_44 + X\_21\_45 + X\_21\_46 +  
 X\_21\_47 +  
 X\_21\_48 <= 1;  
 [\_848] X\_21\_49 + X\_21\_50 + X\_21\_51 + X\_21\_52 + X\_21\_53 + X\_21\_54 +  
 X\_21\_55 +  
 X\_21\_56 <= 1;  
 [\_849] X\_21\_57 + X\_21\_58 + X\_21\_59 + X\_21\_60 + X\_21\_61 + X\_21\_62 +  
 X\_21\_63 +  
 X\_21\_64 <= 1;  
 [\_850] X\_21\_65 + X\_21\_66 + X\_21\_67 + X\_21\_68 + X\_21\_69 + X\_21\_70 +  
 X\_21\_71 +  
 X\_21\_72 <= 1;  
 [\_851] X\_21\_73 + X\_21\_74 + X\_21\_75 + X\_21\_76 + X\_21\_77 + X\_21\_78 +  
 X\_21\_79 +  
 X\_21\_80 <= 1;  
 [\_852] X\_21\_81 + X\_21\_82 + X\_21\_83 + X\_21\_84 + X\_21\_85 + X\_21\_86 +  
 X\_21\_87 +  
 X\_21\_88 <= 1;  
 [\_853] X\_21\_89 + X\_21\_90 + X\_21\_91 + X\_21\_92 + X\_21\_93 + X\_21\_94 +  
 X\_21\_95 +  
 X\_21\_96 <= 1;  
 [\_854] X\_21\_97 + X\_21\_98 + X\_21\_99 + X\_21\_100 + X\_21\_101 + X\_21\_102 +  
 X\_21\_103 +  
 X\_21\_104 <= 1;  
 [\_855] X\_21\_105 + X\_21\_106 + X\_21\_107 + X\_21\_108 + X\_21\_109 + X\_21\_110  
 + X\_21\_111 +  
 X\_21\_112 <= 1;  
 [\_856] X\_21\_113 + X\_21\_114 + X\_21\_115 + X\_21\_116 + X\_21\_117 + X\_21\_118  
 + X\_21\_119 +  
 X\_21\_120 <= 1;  
 [\_857] X\_21\_121 + X\_21\_122 + X\_21\_123 + X\_21\_124 + X\_21\_125 + X\_21\_126  
 + X\_21\_127 +  
 X\_21\_128 <= 1;  
 [\_858] X\_21\_129 + X\_21\_130 + X\_21\_131 + X\_21\_132 + X\_21\_133 + X\_21\_134  
 + X\_21\_135 +  
 X\_21\_136 <= 1;  
 [\_859] X\_21\_137 + X\_21\_138 + X\_21\_139 + X\_21\_140 + X\_21\_141 + X\_21\_142  
 + X\_21\_143 +  
 X\_21\_144 <= 1;  
 [\_860] X\_21\_145 + X\_21\_146 + X\_21\_147 + X\_21\_148 + X\_21\_149 + X\_21\_150  
 + X\_21\_151 +  
 X\_21\_152 <= 1;

[\_861] X\_21\_153 + X\_21\_154 + X\_21\_155 + X\_21\_156 + X\_21\_157 + X\_21\_158  
 + X\_21\_159 +  
 X\_21\_160 <= 1;  
 [\_862] X\_21\_161 + X\_21\_162 + X\_21\_163 + X\_21\_164 + X\_21\_165 + X\_21\_166  
 + X\_21\_167 +  
 X\_21\_168 <= 1;  
 [\_863] X\_21\_169 + X\_21\_170 + X\_21\_171 + X\_21\_172 + X\_21\_173 + X\_21\_174  
 + X\_21\_175 +  
 X\_21\_176 <= 1;  
 [\_864] X\_21\_177 + X\_21\_178 + X\_21\_179 + X\_21\_180 + X\_21\_181 + X\_21\_182  
 + X\_21\_183 +  
 X\_21\_184 <= 1;  
 [\_865] X\_21\_185 + X\_21\_186 + X\_21\_187 + X\_21\_188 + X\_21\_189 + X\_21\_190  
 + X\_21\_191 +  
 X\_21\_192 <= 1;  
 [\_866] X\_21\_193 + X\_21\_194 + X\_21\_195 + X\_21\_196 + X\_21\_197 + X\_21\_198  
 + X\_21\_199 +  
 X\_21\_200 <= 1;  
 [\_867] X\_21\_201 + X\_21\_202 + X\_21\_203 + X\_21\_204 + X\_21\_205 + X\_21\_206  
 + X\_21\_207 +  
 X\_21\_208 <= 1;  
 [\_868] X\_21\_209 + X\_21\_210 + X\_21\_211 + X\_21\_212 + X\_21\_213 + X\_21\_214  
 + X\_21\_215 +  
 X\_21\_216 <= 1;  
 [\_869] X\_21\_217 + X\_21\_218 + X\_21\_219 + X\_21\_220 + X\_21\_221 + X\_21\_222  
 + X\_21\_223 +  
 X\_21\_224 <= 1;  
 [\_870] X\_21\_225 + X\_21\_226 + X\_21\_227 + X\_21\_228 + X\_21\_229 + X\_21\_230  
 + X\_21\_231 +  
 X\_21\_232 <= 1;  
 [\_871] X\_21\_233 + X\_21\_234 + X\_21\_235 + X\_21\_236 + X\_21\_237 + X\_21\_238  
 + X\_21\_239 +  
 X\_21\_240 <= 1;  
 [\_872] X\_22\_1 + X\_22\_2 + X\_22\_3 + X\_22\_4 + X\_22\_5 + X\_22\_6 + X\_22\_7 +  
 X\_22\_8 <= 1;  
 [\_873] X\_22\_9 + X\_22\_10 + X\_22\_11 + X\_22\_12 + X\_22\_13 + X\_22\_14 +  
 X\_22\_15 + X\_22\_16  
 <= 1;  
 [\_874] X\_22\_17 + X\_22\_18 + X\_22\_19 + X\_22\_20 + X\_22\_21 + X\_22\_22 +  
 X\_22\_23 +  
 X\_22\_24 <= 1;  
 [\_875] X\_22\_25 + X\_22\_26 + X\_22\_27 + X\_22\_28 + X\_22\_29 + X\_22\_30 +  
 X\_22\_31 +  
 X\_22\_32 <= 1;  
 [\_876] X\_22\_33 + X\_22\_34 + X\_22\_35 + X\_22\_36 + X\_22\_37 + X\_22\_38 +  
 X\_22\_39 +  
 X\_22\_40 <= 1;  
 [\_877] X\_22\_41 + X\_22\_42 + X\_22\_43 + X\_22\_44 + X\_22\_45 + X\_22\_46 +  
 X\_22\_47 +  
 X\_22\_48 <= 1;  
 [\_878] X\_22\_49 + X\_22\_50 + X\_22\_51 + X\_22\_52 + X\_22\_53 + X\_22\_54 +  
 X\_22\_55 +  
 X\_22\_56 <= 1;  
 [\_879] X\_22\_57 + X\_22\_58 + X\_22\_59 + X\_22\_60 + X\_22\_61 + X\_22\_62 +  
 X\_22\_63 +  
 X\_22\_64 <= 1;

[\_880] X\_22\_65 + X\_22\_66 + X\_22\_67 + X\_22\_68 + X\_22\_69 + X\_22\_70 +  
 X\_22\_71 +  
 X\_22\_72 <= 1;  
 [\_881] X\_22\_73 + X\_22\_74 + X\_22\_75 + X\_22\_76 + X\_22\_77 + X\_22\_78 +  
 X\_22\_79 +  
 X\_22\_80 <= 1;  
 [\_882] X\_22\_81 + X\_22\_82 + X\_22\_83 + X\_22\_84 + X\_22\_85 + X\_22\_86 +  
 X\_22\_87 +  
 X\_22\_88 <= 1;  
 [\_883] X\_22\_89 + X\_22\_90 + X\_22\_91 + X\_22\_92 + X\_22\_93 + X\_22\_94 +  
 X\_22\_95 +  
 X\_22\_96 <= 1;  
 [\_884] X\_22\_97 + X\_22\_98 + X\_22\_99 + X\_22\_100 + X\_22\_101 + X\_22\_102 +  
 X\_22\_103 +  
 X\_22\_104 <= 1;  
 [\_885] X\_22\_105 + X\_22\_106 + X\_22\_107 + X\_22\_108 + X\_22\_109 + X\_22\_110  
 + X\_22\_111 +  
 X\_22\_112 <= 1;  
 [\_886] X\_22\_113 + X\_22\_114 + X\_22\_115 + X\_22\_116 + X\_22\_117 + X\_22\_118  
 + X\_22\_119 +  
 X\_22\_120 <= 1;  
 [\_887] X\_22\_121 + X\_22\_122 + X\_22\_123 + X\_22\_124 + X\_22\_125 + X\_22\_126  
 + X\_22\_127 +  
 X\_22\_128 <= 1;  
 [\_888] X\_22\_129 + X\_22\_130 + X\_22\_131 + X\_22\_132 + X\_22\_133 + X\_22\_134  
 + X\_22\_135 +  
 X\_22\_136 <= 1;  
 [\_889] X\_22\_137 + X\_22\_138 + X\_22\_139 + X\_22\_140 + X\_22\_141 + X\_22\_142  
 + X\_22\_143 +  
 X\_22\_144 <= 1;  
 [\_890] X\_22\_145 + X\_22\_146 + X\_22\_147 + X\_22\_148 + X\_22\_149 + X\_22\_150  
 + X\_22\_151 +  
 X\_22\_152 <= 1;  
 [\_891] X\_22\_153 + X\_22\_154 + X\_22\_155 + X\_22\_156 + X\_22\_157 + X\_22\_158  
 + X\_22\_159 +  
 X\_22\_160 <= 1;  
 [\_892] X\_22\_161 + X\_22\_162 + X\_22\_163 + X\_22\_164 + X\_22\_165 + X\_22\_166  
 + X\_22\_167 +  
 X\_22\_168 <= 1;  
 [\_893] X\_22\_169 + X\_22\_170 + X\_22\_171 + X\_22\_172 + X\_22\_173 + X\_22\_174  
 + X\_22\_175 +  
 X\_22\_176 <= 1;  
 [\_894] X\_22\_177 + X\_22\_178 + X\_22\_179 + X\_22\_180 + X\_22\_181 + X\_22\_182  
 + X\_22\_183 +  
 X\_22\_184 <= 1;  
 [\_895] X\_22\_185 + X\_22\_186 + X\_22\_187 + X\_22\_188 + X\_22\_189 + X\_22\_190  
 + X\_22\_191 +  
 X\_22\_192 <= 1;  
 [\_896] X\_22\_193 + X\_22\_194 + X\_22\_195 + X\_22\_196 + X\_22\_197 + X\_22\_198  
 + X\_22\_199 +  
 X\_22\_200 <= 1;  
 [\_897] X\_22\_201 + X\_22\_202 + X\_22\_203 + X\_22\_204 + X\_22\_205 + X\_22\_206  
 + X\_22\_207 +  
 X\_22\_208 <= 1;  
 [\_898] X\_22\_209 + X\_22\_210 + X\_22\_211 + X\_22\_212 + X\_22\_213 + X\_22\_214  
 + X\_22\_215 +  
 X\_22\_216 <= 1;

[\_899] X\_22\_217 + X\_22\_218 + X\_22\_219 + X\_22\_220 + X\_22\_221 + X\_22\_222  
 + X\_22\_223 +  
 X\_22\_224 <= 1;  
 [\_900] X\_22\_225 + X\_22\_226 + X\_22\_227 + X\_22\_228 + X\_22\_229 + X\_22\_230  
 + X\_22\_231 +  
 X\_22\_232 <= 1;  
 [\_901] X\_22\_233 + X\_22\_234 + X\_22\_235 + X\_22\_236 + X\_22\_237 + X\_22\_238  
 + X\_22\_239 +  
 X\_22\_240 <= 1;  
 [\_902] X\_23\_1 + X\_23\_2 + X\_23\_3 + X\_23\_4 + X\_23\_5 + X\_23\_6 + X\_23\_7 +  
 X\_23\_8 <= 1;  
 [\_903] X\_23\_9 + X\_23\_10 + X\_23\_11 + X\_23\_12 + X\_23\_13 + X\_23\_14 +  
 X\_23\_15 + X\_23\_16  
 <= 1;  
 [\_904] X\_23\_17 + X\_23\_18 + X\_23\_19 + X\_23\_20 + X\_23\_21 + X\_23\_22 +  
 X\_23\_23 +  
 X\_23\_24 <= 1;  
 [\_905] X\_23\_25 + X\_23\_26 + X\_23\_27 + X\_23\_28 + X\_23\_29 + X\_23\_30 +  
 X\_23\_31 +  
 X\_23\_32 <= 1;  
 [\_906] X\_23\_33 + X\_23\_34 + X\_23\_35 + X\_23\_36 + X\_23\_37 + X\_23\_38 +  
 X\_23\_39 +  
 X\_23\_40 <= 1;  
 [\_907] X\_23\_41 + X\_23\_42 + X\_23\_43 + X\_23\_44 + X\_23\_45 + X\_23\_46 +  
 X\_23\_47 +  
 X\_23\_48 <= 1;  
 [\_908] X\_23\_49 + X\_23\_50 + X\_23\_51 + X\_23\_52 + X\_23\_53 + X\_23\_54 +  
 X\_23\_55 +  
 X\_23\_56 <= 1;  
 [\_909] X\_23\_57 + X\_23\_58 + X\_23\_59 + X\_23\_60 + X\_23\_61 + X\_23\_62 +  
 X\_23\_63 +  
 X\_23\_64 <= 1;  
 [\_910] X\_23\_65 + X\_23\_66 + X\_23\_67 + X\_23\_68 + X\_23\_69 + X\_23\_70 +  
 X\_23\_71 +  
 X\_23\_72 <= 1;  
 [\_911] X\_23\_73 + X\_23\_74 + X\_23\_75 + X\_23\_76 + X\_23\_77 + X\_23\_78 +  
 X\_23\_79 +  
 X\_23\_80 <= 1;  
 [\_912] X\_23\_81 + X\_23\_82 + X\_23\_83 + X\_23\_84 + X\_23\_85 + X\_23\_86 +  
 X\_23\_87 +  
 X\_23\_88 <= 1;  
 [\_913] X\_23\_89 + X\_23\_90 + X\_23\_91 + X\_23\_92 + X\_23\_93 + X\_23\_94 +  
 X\_23\_95 +  
 X\_23\_96 <= 1;  
 [\_914] X\_23\_97 + X\_23\_98 + X\_23\_99 + X\_23\_100 + X\_23\_101 + X\_23\_102 +  
 X\_23\_103 +  
 X\_23\_104 <= 1;  
 [\_915] X\_23\_105 + X\_23\_106 + X\_23\_107 + X\_23\_108 + X\_23\_109 + X\_23\_110  
 + X\_23\_111 +  
 X\_23\_112 <= 1;  
 [\_916] X\_23\_113 + X\_23\_114 + X\_23\_115 + X\_23\_116 + X\_23\_117 + X\_23\_118  
 + X\_23\_119 +  
 X\_23\_120 <= 1;  
 [\_917] X\_23\_121 + X\_23\_122 + X\_23\_123 + X\_23\_124 + X\_23\_125 + X\_23\_126  
 + X\_23\_127 +  
 X\_23\_128 <= 1;

[\_918] X\_23\_129 + X\_23\_130 + X\_23\_131 + X\_23\_132 + X\_23\_133 + X\_23\_134  
 + X\_23\_135 +  
 X\_23\_136 <= 1;  
 [\_919] X\_23\_137 + X\_23\_138 + X\_23\_139 + X\_23\_140 + X\_23\_141 + X\_23\_142  
 + X\_23\_143 +  
 X\_23\_144 <= 1;  
 [\_920] X\_23\_145 + X\_23\_146 + X\_23\_147 + X\_23\_148 + X\_23\_149 + X\_23\_150  
 + X\_23\_151 +  
 X\_23\_152 <= 1;  
 [\_921] X\_23\_153 + X\_23\_154 + X\_23\_155 + X\_23\_156 + X\_23\_157 + X\_23\_158  
 + X\_23\_159 +  
 X\_23\_160 <= 1;  
 [\_922] X\_23\_161 + X\_23\_162 + X\_23\_163 + X\_23\_164 + X\_23\_165 + X\_23\_166  
 + X\_23\_167 +  
 X\_23\_168 <= 1;  
 [\_923] X\_23\_169 + X\_23\_170 + X\_23\_171 + X\_23\_172 + X\_23\_173 + X\_23\_174  
 + X\_23\_175 +  
 X\_23\_176 <= 1;  
 [\_924] X\_23\_177 + X\_23\_178 + X\_23\_179 + X\_23\_180 + X\_23\_181 + X\_23\_182  
 + X\_23\_183 +  
 X\_23\_184 <= 1;  
 [\_925] X\_23\_185 + X\_23\_186 + X\_23\_187 + X\_23\_188 + X\_23\_189 + X\_23\_190  
 + X\_23\_191 +  
 X\_23\_192 <= 1;  
 [\_926] X\_23\_193 + X\_23\_194 + X\_23\_195 + X\_23\_196 + X\_23\_197 + X\_23\_198  
 + X\_23\_199 +  
 X\_23\_200 <= 1;  
 [\_927] X\_23\_201 + X\_23\_202 + X\_23\_203 + X\_23\_204 + X\_23\_205 + X\_23\_206  
 + X\_23\_207 +  
 X\_23\_208 <= 1;  
 [\_928] X\_23\_209 + X\_23\_210 + X\_23\_211 + X\_23\_212 + X\_23\_213 + X\_23\_214  
 + X\_23\_215 +  
 X\_23\_216 <= 1;  
 [\_929] X\_23\_217 + X\_23\_218 + X\_23\_219 + X\_23\_220 + X\_23\_221 + X\_23\_222  
 + X\_23\_223 +  
 X\_23\_224 <= 1;  
 [\_930] X\_23\_225 + X\_23\_226 + X\_23\_227 + X\_23\_228 + X\_23\_229 + X\_23\_230  
 + X\_23\_231 +  
 X\_23\_232 <= 1;  
 [\_931] X\_23\_233 + X\_23\_234 + X\_23\_235 + X\_23\_236 + X\_23\_237 + X\_23\_238  
 + X\_23\_239 +  
 X\_23\_240 <= 1;  
 [\_932] X\_1\_1 + X\_1\_2 + X\_1\_3 + X\_1\_4 + X\_1\_5 + X\_1\_6 + X\_1\_7 + X\_1\_8 +  
 X\_1\_9 +  
 X\_1\_10 + X\_1\_11 + X\_1\_12 + X\_1\_13 + X\_1\_14 + X\_1\_15 + X\_1\_16 + X\_1\_17  
 + X\_1\_18 +  
 X\_1\_19 + X\_1\_20 + X\_1\_21 + X\_1\_22 + X\_1\_23 + X\_1\_24 + X\_1\_25 + X\_1\_26  
 + X\_1\_27 +  
 X\_1\_28 + X\_1\_29 + X\_1\_30 + X\_1\_31 + X\_1\_32 + X\_1\_33 + X\_1\_34 + X\_1\_35  
 + X\_1\_36 +  
 X\_1\_37 + X\_1\_38 + X\_1\_39 + X\_1\_40 + X\_1\_41 + X\_1\_42 + X\_1\_43 + X\_1\_44  
 + X\_1\_45 +  
 X\_1\_46 + X\_1\_47 + X\_1\_48 + X\_1\_49 + X\_1\_50 + X\_1\_51 + X\_1\_52 + X\_1\_53  
 + X\_1\_54 +  
 X\_1\_55 + X\_1\_56 + X\_1\_57 + X\_1\_58 + X\_1\_59 + X\_1\_60 + X\_1\_61 + X\_1\_62  
 + X\_1\_63 +

$X_{1\_64} + X_{1\_65} + X_{1\_66} + X_{1\_67} + X_{1\_68} + X_{1\_69} + X_{1\_70} + X_{1\_71}$   
 $+ X_{1\_72} +$   
 $X_{1\_73} + X_{1\_74} + X_{1\_75} + X_{1\_76} + X_{1\_77} + X_{1\_78} + X_{1\_79} + X_{1\_80}$   
 $+ X_{1\_81} +$   
 $X_{1\_82} + X_{1\_83} + X_{1\_84} + X_{1\_85} + X_{1\_86} + X_{1\_87} + X_{1\_88} + X_{1\_89}$   
 $+ X_{1\_90} +$   
 $X_{1\_91} + X_{1\_92} + X_{1\_93} + X_{1\_94} + X_{1\_95} + X_{1\_96} + X_{1\_97} + X_{1\_98}$   
 $+ X_{1\_99} +$   
 $X_{1\_100} + X_{1\_101} + X_{1\_102} + X_{1\_103} + X_{1\_104} + X_{1\_105} + X_{1\_106} +$   
 $X_{1\_107} +$   
 $X_{1\_108} + X_{1\_109} + X_{1\_110} + X_{1\_111} + X_{1\_112} + X_{1\_113} + X_{1\_114} +$   
 $X_{1\_115} +$   
 $X_{1\_116} + X_{1\_117} + X_{1\_118} + X_{1\_119} + X_{1\_120} + X_{1\_121} + X_{1\_122} +$   
 $X_{1\_123} +$   
 $X_{1\_124} + X_{1\_125} + X_{1\_126} + X_{1\_127} + X_{1\_128} + X_{1\_129} + X_{1\_130} +$   
 $X_{1\_131} +$   
 $X_{1\_132} + X_{1\_133} + X_{1\_134} + X_{1\_135} + X_{1\_136} + X_{1\_137} + X_{1\_138} +$   
 $X_{1\_139} +$   
 $X_{1\_140} + X_{1\_141} + X_{1\_142} + X_{1\_143} + X_{1\_144} + X_{1\_145} + X_{1\_146} +$   
 $X_{1\_147} +$   
 $X_{1\_148} + X_{1\_149} + X_{1\_150} + X_{1\_151} + X_{1\_152} + X_{1\_153} + X_{1\_154} +$   
 $X_{1\_155} +$   
 $X_{1\_156} + X_{1\_157} + X_{1\_158} + X_{1\_159} + X_{1\_160} + X_{1\_161} + X_{1\_162} +$   
 $X_{1\_163} +$   
 $X_{1\_164} + X_{1\_165} + X_{1\_166} + X_{1\_167} + X_{1\_168} + X_{1\_169} + X_{1\_170} +$   
 $X_{1\_171} +$   
 $X_{1\_172} + X_{1\_173} + X_{1\_174} + X_{1\_175} + X_{1\_176} + X_{1\_177} + X_{1\_178} +$   
 $X_{1\_179} +$   
 $X_{1\_180} + X_{1\_181} + X_{1\_182} + X_{1\_183} + X_{1\_184} + X_{1\_185} + X_{1\_186} +$   
 $X_{1\_187} +$   
 $X_{1\_188} + X_{1\_189} + X_{1\_190} + X_{1\_191} + X_{1\_192} + X_{1\_193} + X_{1\_194} +$   
 $X_{1\_195} +$   
 $X_{1\_196} + X_{1\_197} + X_{1\_198} + X_{1\_199} + X_{1\_200} + X_{1\_201} + X_{1\_202} +$   
 $X_{1\_203} +$   
 $X_{1\_204} + X_{1\_205} + X_{1\_206} + X_{1\_207} + X_{1\_208} + X_{1\_209} + X_{1\_210} +$   
 $X_{1\_211} +$   
 $X_{1\_212} + X_{1\_213} + X_{1\_214} + X_{1\_215} + X_{1\_216} + X_{1\_217} + X_{1\_218} +$   
 $X_{1\_219} +$   
 $X_{1\_220} + X_{1\_221} + X_{1\_222} + X_{1\_223} + X_{1\_224} + X_{1\_225} + X_{1\_226} +$   
 $X_{1\_227} +$   
 $X_{1\_228} + X_{1\_229} + X_{1\_230} + X_{1\_231} + X_{1\_232} + X_{1\_233} + X_{1\_234} +$   
 $X_{1\_235} +$   
 $X_{1\_236} + X_{1\_237} + X_{1\_238} + X_{1\_239} + X_{1\_240} \geq 8;$   
 $[\_933] X_{2\_1} + X_{2\_2} + X_{2\_3} + X_{2\_4} + X_{2\_5} + X_{2\_6} + X_{2\_7} + X_{2\_8} +$   
 $X_{2\_9} +$   
 $X_{2\_10} + X_{2\_11} + X_{2\_12} + X_{2\_13} + X_{2\_14} + X_{2\_15} + X_{2\_16} + X_{2\_17}$   
 $+ X_{2\_18} +$   
 $X_{2\_19} + X_{2\_20} + X_{2\_21} + X_{2\_22} + X_{2\_23} + X_{2\_24} + X_{2\_25} + X_{2\_26}$   
 $+ X_{2\_27} +$   
 $X_{2\_28} + X_{2\_29} + X_{2\_30} + X_{2\_31} + X_{2\_32} + X_{2\_33} + X_{2\_34} + X_{2\_35}$   
 $+ X_{2\_36} +$   
 $X_{2\_37} + X_{2\_38} + X_{2\_39} + X_{2\_40} + X_{2\_41} + X_{2\_42} + X_{2\_43} + X_{2\_44}$   
 $+ X_{2\_45} +$   
 $X_{2\_46} + X_{2\_47} + X_{2\_48} + X_{2\_49} + X_{2\_50} + X_{2\_51} + X_{2\_52} + X_{2\_53}$   
 $+ X_{2\_54} +$   
 $X_{2\_55} + X_{2\_56} + X_{2\_57} + X_{2\_58} + X_{2\_59} + X_{2\_60} + X_{2\_61} + X_{2\_62}$   
 $+ X_{2\_63} +$



$X_{2\_64} + X_{2\_65} + X_{2\_66} + X_{2\_67} + X_{2\_68} + X_{2\_69} + X_{2\_70} + X_{2\_71}$   
 $+ X_{2\_72} +$   
 $X_{2\_73} + X_{2\_74} + X_{2\_75} + X_{2\_76} + X_{2\_77} + X_{2\_78} + X_{2\_79} + X_{2\_80}$   
 $+ X_{2\_81} +$   
 $X_{2\_82} + X_{2\_83} + X_{2\_84} + X_{2\_85} + X_{2\_86} + X_{2\_87} + X_{2\_88} + X_{2\_89}$   
 $+ X_{2\_90} +$   
 $X_{2\_91} + X_{2\_92} + X_{2\_93} + X_{2\_94} + X_{2\_95} + X_{2\_96} + X_{2\_97} + X_{2\_98}$   
 $+ X_{2\_99} +$   
 $X_{2\_100} + X_{2\_101} + X_{2\_102} + X_{2\_103} + X_{2\_104} + X_{2\_105} + X_{2\_106} +$   
 $X_{2\_107} +$   
 $X_{2\_108} + X_{2\_109} + X_{2\_110} + X_{2\_111} + X_{2\_112} + X_{2\_113} + X_{2\_114} +$   
 $X_{2\_115} +$   
 $X_{2\_116} + X_{2\_117} + X_{2\_118} + X_{2\_119} + X_{2\_120} + X_{2\_121} + X_{2\_122} +$   
 $X_{2\_123} +$   
 $X_{2\_124} + X_{2\_125} + X_{2\_126} + X_{2\_127} + X_{2\_128} + X_{2\_129} + X_{2\_130} +$   
 $X_{2\_131} +$   
 $X_{2\_132} + X_{2\_133} + X_{2\_134} + X_{2\_135} + X_{2\_136} + X_{2\_137} + X_{2\_138} +$   
 $X_{2\_139} +$   
 $X_{2\_140} + X_{2\_141} + X_{2\_142} + X_{2\_143} + X_{2\_144} + X_{2\_145} + X_{2\_146} +$   
 $X_{2\_147} +$   
 $X_{2\_148} + X_{2\_149} + X_{2\_150} + X_{2\_151} + X_{2\_152} + X_{2\_153} + X_{2\_154} +$   
 $X_{2\_155} +$   
 $X_{2\_156} + X_{2\_157} + X_{2\_158} + X_{2\_159} + X_{2\_160} + X_{2\_161} + X_{2\_162} +$   
 $X_{2\_163} +$   
 $X_{2\_164} + X_{2\_165} + X_{2\_166} + X_{2\_167} + X_{2\_168} + X_{2\_169} + X_{2\_170} +$   
 $X_{2\_171} +$   
 $X_{2\_172} + X_{2\_173} + X_{2\_174} + X_{2\_175} + X_{2\_176} + X_{2\_177} + X_{2\_178} +$   
 $X_{2\_179} +$   
 $X_{2\_180} + X_{2\_181} + X_{2\_182} + X_{2\_183} + X_{2\_184} + X_{2\_185} + X_{2\_186} +$   
 $X_{2\_187} +$   
 $X_{2\_188} + X_{2\_189} + X_{2\_190} + X_{2\_191} + X_{2\_192} + X_{2\_193} + X_{2\_194} +$   
 $X_{2\_195} +$   
 $X_{2\_196} + X_{2\_197} + X_{2\_198} + X_{2\_199} + X_{2\_200} + X_{2\_201} + X_{2\_202} +$   
 $X_{2\_203} +$   
 $X_{2\_204} + X_{2\_205} + X_{2\_206} + X_{2\_207} + X_{2\_208} + X_{2\_209} + X_{2\_210} +$   
 $X_{2\_211} +$   
 $X_{2\_212} + X_{2\_213} + X_{2\_214} + X_{2\_215} + X_{2\_216} + X_{2\_217} + X_{2\_218} +$   
 $X_{2\_219} +$   
 $X_{2\_220} + X_{2\_221} + X_{2\_222} + X_{2\_223} + X_{2\_224} + X_{2\_225} + X_{2\_226} +$   
 $X_{2\_227} +$   
 $X_{2\_228} + X_{2\_229} + X_{2\_230} + X_{2\_231} + X_{2\_232} + X_{2\_233} + X_{2\_234} +$   
 $X_{2\_235} +$   
 $X_{2\_236} + X_{2\_237} + X_{2\_238} + X_{2\_239} + X_{2\_240} \geq 8;$   
 $[_{934}] X_{3\_1} + X_{3\_2} + X_{3\_3} + X_{3\_4} + X_{3\_5} + X_{3\_6} + X_{3\_7} + X_{3\_8} +$   
 $X_{3\_9} +$   
 $X_{3\_10} + X_{3\_11} + X_{3\_12} + X_{3\_13} + X_{3\_14} + X_{3\_15} + X_{3\_16} + X_{3\_17}$   
 $+ X_{3\_18} +$   
 $X_{3\_19} + X_{3\_20} + X_{3\_21} + X_{3\_22} + X_{3\_23} + X_{3\_24} + X_{3\_25} + X_{3\_26}$   
 $+ X_{3\_27} +$   
 $X_{3\_28} + X_{3\_29} + X_{3\_30} + X_{3\_31} + X_{3\_32} + X_{3\_33} + X_{3\_34} + X_{3\_35}$   
 $+ X_{3\_36} +$   
 $X_{3\_37} + X_{3\_38} + X_{3\_39} + X_{3\_40} + X_{3\_41} + X_{3\_42} + X_{3\_43} + X_{3\_44}$   
 $+ X_{3\_45} +$   
 $X_{3\_46} + X_{3\_47} + X_{3\_48} + X_{3\_49} + X_{3\_50} + X_{3\_51} + X_{3\_52} + X_{3\_53}$   
 $+ X_{3\_54} +$   
 $X_{3\_55} + X_{3\_56} + X_{3\_57} + X_{3\_58} + X_{3\_59} + X_{3\_60} + X_{3\_61} + X_{3\_62}$   
 $+ X_{3\_63} +$

$X_{3\_64} + X_{3\_65} + X_{3\_66} + X_{3\_67} + X_{3\_68} + X_{3\_69} + X_{3\_70} + X_{3\_71}$   
 $+ X_{3\_72} +$   
 $X_{3\_73} + X_{3\_74} + X_{3\_75} + X_{3\_76} + X_{3\_77} + X_{3\_78} + X_{3\_79} + X_{3\_80}$   
 $+ X_{3\_81} +$   
 $X_{3\_82} + X_{3\_83} + X_{3\_84} + X_{3\_85} + X_{3\_86} + X_{3\_87} + X_{3\_88} + X_{3\_89}$   
 $+ X_{3\_90} +$   
 $X_{3\_91} + X_{3\_92} + X_{3\_93} + X_{3\_94} + X_{3\_95} + X_{3\_96} + X_{3\_97} + X_{3\_98}$   
 $+ X_{3\_99} +$   
 $X_{3\_100} + X_{3\_101} + X_{3\_102} + X_{3\_103} + X_{3\_104} + X_{3\_105} + X_{3\_106} +$   
 $X_{3\_107} +$   
 $X_{3\_108} + X_{3\_109} + X_{3\_110} + X_{3\_111} + X_{3\_112} + X_{3\_113} + X_{3\_114} +$   
 $X_{3\_115} +$   
 $X_{3\_116} + X_{3\_117} + X_{3\_118} + X_{3\_119} + X_{3\_120} + X_{3\_121} + X_{3\_122} +$   
 $X_{3\_123} +$   
 $X_{3\_124} + X_{3\_125} + X_{3\_126} + X_{3\_127} + X_{3\_128} + X_{3\_129} + X_{3\_130} +$   
 $X_{3\_131} +$   
 $X_{3\_132} + X_{3\_133} + X_{3\_134} + X_{3\_135} + X_{3\_136} + X_{3\_137} + X_{3\_138} +$   
 $X_{3\_139} +$   
 $X_{3\_140} + X_{3\_141} + X_{3\_142} + X_{3\_143} + X_{3\_144} + X_{3\_145} + X_{3\_146} +$   
 $X_{3\_147} +$   
 $X_{3\_148} + X_{3\_149} + X_{3\_150} + X_{3\_151} + X_{3\_152} + X_{3\_153} + X_{3\_154} +$   
 $X_{3\_155} +$   
 $X_{3\_156} + X_{3\_157} + X_{3\_158} + X_{3\_159} + X_{3\_160} + X_{3\_161} + X_{3\_162} +$   
 $X_{3\_163} +$   
 $X_{3\_164} + X_{3\_165} + X_{3\_166} + X_{3\_167} + X_{3\_168} + X_{3\_169} + X_{3\_170} +$   
 $X_{3\_171} +$   
 $X_{3\_172} + X_{3\_173} + X_{3\_174} + X_{3\_175} + X_{3\_176} + X_{3\_177} + X_{3\_178} +$   
 $X_{3\_179} +$   
 $X_{3\_180} + X_{3\_181} + X_{3\_182} + X_{3\_183} + X_{3\_184} + X_{3\_185} + X_{3\_186} +$   
 $X_{3\_187} +$   
 $X_{3\_188} + X_{3\_189} + X_{3\_190} + X_{3\_191} + X_{3\_192} + X_{3\_193} + X_{3\_194} +$   
 $X_{3\_195} +$   
 $X_{3\_196} + X_{3\_197} + X_{3\_198} + X_{3\_199} + X_{3\_200} + X_{3\_201} + X_{3\_202} +$   
 $X_{3\_203} +$   
 $X_{3\_204} + X_{3\_205} + X_{3\_206} + X_{3\_207} + X_{3\_208} + X_{3\_209} + X_{3\_210} +$   
 $X_{3\_211} +$   
 $X_{3\_212} + X_{3\_213} + X_{3\_214} + X_{3\_215} + X_{3\_216} + X_{3\_217} + X_{3\_218} +$   
 $X_{3\_219} +$   
 $X_{3\_220} + X_{3\_221} + X_{3\_222} + X_{3\_223} + X_{3\_224} + X_{3\_225} + X_{3\_226} +$   
 $X_{3\_227} +$   
 $X_{3\_228} + X_{3\_229} + X_{3\_230} + X_{3\_231} + X_{3\_232} + X_{3\_233} + X_{3\_234} +$   
 $X_{3\_235} +$   
 $X_{3\_236} + X_{3\_237} + X_{3\_238} + X_{3\_239} + X_{3\_240} \geq 8;$   
 $[_{935}] X_{4\_1} + X_{4\_2} + X_{4\_3} + X_{4\_4} + X_{4\_5} + X_{4\_6} + X_{4\_7} + X_{4\_8} +$   
 $X_{4\_9} +$   
 $X_{4\_10} + X_{4\_11} + X_{4\_12} + X_{4\_13} + X_{4\_14} + X_{4\_15} + X_{4\_16} + X_{4\_17}$   
 $+ X_{4\_18} +$   
 $X_{4\_19} + X_{4\_20} + X_{4\_21} + X_{4\_22} + X_{4\_23} + X_{4\_24} + X_{4\_25} + X_{4\_26}$   
 $+ X_{4\_27} +$   
 $X_{4\_28} + X_{4\_29} + X_{4\_30} + X_{4\_31} + X_{4\_32} + X_{4\_33} + X_{4\_34} + X_{4\_35}$   
 $+ X_{4\_36} +$   
 $X_{4\_37} + X_{4\_38} + X_{4\_39} + X_{4\_40} + X_{4\_41} + X_{4\_42} + X_{4\_43} + X_{4\_44}$   
 $+ X_{4\_45} +$   
 $X_{4\_46} + X_{4\_47} + X_{4\_48} + X_{4\_49} + X_{4\_50} + X_{4\_51} + X_{4\_52} + X_{4\_53}$   
 $+ X_{4\_54} +$   
 $X_{4\_55} + X_{4\_56} + X_{4\_57} + X_{4\_58} + X_{4\_59} + X_{4\_60} + X_{4\_61} + X_{4\_62}$   
 $+ X_{4\_63} +$

$X_{4\_64} + X_{4\_65} + X_{4\_66} + X_{4\_67} + X_{4\_68} + X_{4\_69} + X_{4\_70} + X_{4\_71}$   
 $+ X_{4\_72} +$   
 $X_{4\_73} + X_{4\_74} + X_{4\_75} + X_{4\_76} + X_{4\_77} + X_{4\_78} + X_{4\_79} + X_{4\_80}$   
 $+ X_{4\_81} +$   
 $X_{4\_82} + X_{4\_83} + X_{4\_84} + X_{4\_85} + X_{4\_86} + X_{4\_87} + X_{4\_88} + X_{4\_89}$   
 $+ X_{4\_90} +$   
 $X_{4\_91} + X_{4\_92} + X_{4\_93} + X_{4\_94} + X_{4\_95} + X_{4\_96} + X_{4\_97} + X_{4\_98}$   
 $+ X_{4\_99} +$   
 $X_{4\_100} + X_{4\_101} + X_{4\_102} + X_{4\_103} + X_{4\_104} + X_{4\_105} + X_{4\_106} +$   
 $X_{4\_107} +$   
 $X_{4\_108} + X_{4\_109} + X_{4\_110} + X_{4\_111} + X_{4\_112} + X_{4\_113} + X_{4\_114} +$   
 $X_{4\_115} +$   
 $X_{4\_116} + X_{4\_117} + X_{4\_118} + X_{4\_119} + X_{4\_120} + X_{4\_121} + X_{4\_122} +$   
 $X_{4\_123} +$   
 $X_{4\_124} + X_{4\_125} + X_{4\_126} + X_{4\_127} + X_{4\_128} + X_{4\_129} + X_{4\_130} +$   
 $X_{4\_131} +$   
 $X_{4\_132} + X_{4\_133} + X_{4\_134} + X_{4\_135} + X_{4\_136} + X_{4\_137} + X_{4\_138} +$   
 $X_{4\_139} +$   
 $X_{4\_140} + X_{4\_141} + X_{4\_142} + X_{4\_143} + X_{4\_144} + X_{4\_145} + X_{4\_146} +$   
 $X_{4\_147} +$   
 $X_{4\_148} + X_{4\_149} + X_{4\_150} + X_{4\_151} + X_{4\_152} + X_{4\_153} + X_{4\_154} +$   
 $X_{4\_155} +$   
 $X_{4\_156} + X_{4\_157} + X_{4\_158} + X_{4\_159} + X_{4\_160} + X_{4\_161} + X_{4\_162} +$   
 $X_{4\_163} +$   
 $X_{4\_164} + X_{4\_165} + X_{4\_166} + X_{4\_167} + X_{4\_168} + X_{4\_169} + X_{4\_170} +$   
 $X_{4\_171} +$   
 $X_{4\_172} + X_{4\_173} + X_{4\_174} + X_{4\_175} + X_{4\_176} + X_{4\_177} + X_{4\_178} +$   
 $X_{4\_179} +$   
 $X_{4\_180} + X_{4\_181} + X_{4\_182} + X_{4\_183} + X_{4\_184} + X_{4\_185} + X_{4\_186} +$   
 $X_{4\_187} +$   
 $X_{4\_188} + X_{4\_189} + X_{4\_190} + X_{4\_191} + X_{4\_192} + X_{4\_193} + X_{4\_194} +$   
 $X_{4\_195} +$   
 $X_{4\_196} + X_{4\_197} + X_{4\_198} + X_{4\_199} + X_{4\_200} + X_{4\_201} + X_{4\_202} +$   
 $X_{4\_203} +$   
 $X_{4\_204} + X_{4\_205} + X_{4\_206} + X_{4\_207} + X_{4\_208} + X_{4\_209} + X_{4\_210} +$   
 $X_{4\_211} +$   
 $X_{4\_212} + X_{4\_213} + X_{4\_214} + X_{4\_215} + X_{4\_216} + X_{4\_217} + X_{4\_218} +$   
 $X_{4\_219} +$   
 $X_{4\_220} + X_{4\_221} + X_{4\_222} + X_{4\_223} + X_{4\_224} + X_{4\_225} + X_{4\_226} +$   
 $X_{4\_227} +$   
 $X_{4\_228} + X_{4\_229} + X_{4\_230} + X_{4\_231} + X_{4\_232} + X_{4\_233} + X_{4\_234} +$   
 $X_{4\_235} +$   
 $X_{4\_236} + X_{4\_237} + X_{4\_238} + X_{4\_239} + X_{4\_240} \geq 8;$   
 $[\_936] X_{5\_1} + X_{5\_2} + X_{5\_3} + X_{5\_4} + X_{5\_5} + X_{5\_6} + X_{5\_7} + X_{5\_8} +$   
 $X_{5\_9} +$   
 $X_{5\_10} + X_{5\_11} + X_{5\_12} + X_{5\_13} + X_{5\_14} + X_{5\_15} + X_{5\_16} + X_{5\_17}$   
 $+ X_{5\_18} +$   
 $X_{5\_19} + X_{5\_20} + X_{5\_21} + X_{5\_22} + X_{5\_23} + X_{5\_24} + X_{5\_25} + X_{5\_26}$   
 $+ X_{5\_27} +$   
 $X_{5\_28} + X_{5\_29} + X_{5\_30} + X_{5\_31} + X_{5\_32} + X_{5\_33} + X_{5\_34} + X_{5\_35}$   
 $+ X_{5\_36} +$   
 $X_{5\_37} + X_{5\_38} + X_{5\_39} + X_{5\_40} + X_{5\_41} + X_{5\_42} + X_{5\_43} + X_{5\_44}$   
 $+ X_{5\_45} +$   
 $X_{5\_46} + X_{5\_47} + X_{5\_48} + X_{5\_49} + X_{5\_50} + X_{5\_51} + X_{5\_52} + X_{5\_53}$   
 $+ X_{5\_54} +$   
 $X_{5\_55} + X_{5\_56} + X_{5\_57} + X_{5\_58} + X_{5\_59} + X_{5\_60} + X_{5\_61} + X_{5\_62}$   
 $+ X_{5\_63} +$

$X_{5\_64} + X_{5\_65} + X_{5\_66} + X_{5\_67} + X_{5\_68} + X_{5\_69} + X_{5\_70} + X_{5\_71}$   
 $+ X_{5\_72} +$   
 $X_{5\_73} + X_{5\_74} + X_{5\_75} + X_{5\_76} + X_{5\_77} + X_{5\_78} + X_{5\_79} + X_{5\_80}$   
 $+ X_{5\_81} +$   
 $X_{5\_82} + X_{5\_83} + X_{5\_84} + X_{5\_85} + X_{5\_86} + X_{5\_87} + X_{5\_88} + X_{5\_89}$   
 $+ X_{5\_90} +$   
 $X_{5\_91} + X_{5\_92} + X_{5\_93} + X_{5\_94} + X_{5\_95} + X_{5\_96} + X_{5\_97} + X_{5\_98}$   
 $+ X_{5\_99} +$   
 $X_{5\_100} + X_{5\_101} + X_{5\_102} + X_{5\_103} + X_{5\_104} + X_{5\_105} + X_{5\_106} +$   
 $X_{5\_107} +$   
 $X_{5\_108} + X_{5\_109} + X_{5\_110} + X_{5\_111} + X_{5\_112} + X_{5\_113} + X_{5\_114} +$   
 $X_{5\_115} +$   
 $X_{5\_116} + X_{5\_117} + X_{5\_118} + X_{5\_119} + X_{5\_120} + X_{5\_121} + X_{5\_122} +$   
 $X_{5\_123} +$   
 $X_{5\_124} + X_{5\_125} + X_{5\_126} + X_{5\_127} + X_{5\_128} + X_{5\_129} + X_{5\_130} +$   
 $X_{5\_131} +$   
 $X_{5\_132} + X_{5\_133} + X_{5\_134} + X_{5\_135} + X_{5\_136} + X_{5\_137} + X_{5\_138} +$   
 $X_{5\_139} +$   
 $X_{5\_140} + X_{5\_141} + X_{5\_142} + X_{5\_143} + X_{5\_144} + X_{5\_145} + X_{5\_146} +$   
 $X_{5\_147} +$   
 $X_{5\_148} + X_{5\_149} + X_{5\_150} + X_{5\_151} + X_{5\_152} + X_{5\_153} + X_{5\_154} +$   
 $X_{5\_155} +$   
 $X_{5\_156} + X_{5\_157} + X_{5\_158} + X_{5\_159} + X_{5\_160} + X_{5\_161} + X_{5\_162} +$   
 $X_{5\_163} +$   
 $X_{5\_164} + X_{5\_165} + X_{5\_166} + X_{5\_167} + X_{5\_168} + X_{5\_169} + X_{5\_170} +$   
 $X_{5\_171} +$   
 $X_{5\_172} + X_{5\_173} + X_{5\_174} + X_{5\_175} + X_{5\_176} + X_{5\_177} + X_{5\_178} +$   
 $X_{5\_179} +$   
 $X_{5\_180} + X_{5\_181} + X_{5\_182} + X_{5\_183} + X_{5\_184} + X_{5\_185} + X_{5\_186} +$   
 $X_{5\_187} +$   
 $X_{5\_188} + X_{5\_189} + X_{5\_190} + X_{5\_191} + X_{5\_192} + X_{5\_193} + X_{5\_194} +$   
 $X_{5\_195} +$   
 $X_{5\_196} + X_{5\_197} + X_{5\_198} + X_{5\_199} + X_{5\_200} + X_{5\_201} + X_{5\_202} +$   
 $X_{5\_203} +$   
 $X_{5\_204} + X_{5\_205} + X_{5\_206} + X_{5\_207} + X_{5\_208} + X_{5\_209} + X_{5\_210} +$   
 $X_{5\_211} +$   
 $X_{5\_212} + X_{5\_213} + X_{5\_214} + X_{5\_215} + X_{5\_216} + X_{5\_217} + X_{5\_218} +$   
 $X_{5\_219} +$   
 $X_{5\_220} + X_{5\_221} + X_{5\_222} + X_{5\_223} + X_{5\_224} + X_{5\_225} + X_{5\_226} +$   
 $X_{5\_227} +$   
 $X_{5\_228} + X_{5\_229} + X_{5\_230} + X_{5\_231} + X_{5\_232} + X_{5\_233} + X_{5\_234} +$   
 $X_{5\_235} +$   
 $X_{5\_236} + X_{5\_237} + X_{5\_238} + X_{5\_239} + X_{5\_240} \geq 8;$   
 $[_{937}] X_{6\_1} + X_{6\_2} + X_{6\_3} + X_{6\_4} + X_{6\_5} + X_{6\_6} + X_{6\_7} + X_{6\_8} +$   
 $X_{6\_9} +$   
 $X_{6\_10} + X_{6\_11} + X_{6\_12} + X_{6\_13} + X_{6\_14} + X_{6\_15} + X_{6\_16} + X_{6\_17}$   
 $+ X_{6\_18} +$   
 $X_{6\_19} + X_{6\_20} + X_{6\_21} + X_{6\_22} + X_{6\_23} + X_{6\_24} + X_{6\_25} + X_{6\_26}$   
 $+ X_{6\_27} +$   
 $X_{6\_28} + X_{6\_29} + X_{6\_30} + X_{6\_31} + X_{6\_32} + X_{6\_33} + X_{6\_34} + X_{6\_35}$   
 $+ X_{6\_36} +$   
 $X_{6\_37} + X_{6\_38} + X_{6\_39} + X_{6\_40} + X_{6\_41} + X_{6\_42} + X_{6\_43} + X_{6\_44}$   
 $+ X_{6\_45} +$   
 $X_{6\_46} + X_{6\_47} + X_{6\_48} + X_{6\_49} + X_{6\_50} + X_{6\_51} + X_{6\_52} + X_{6\_53}$   
 $+ X_{6\_54} +$   
 $X_{6\_55} + X_{6\_56} + X_{6\_57} + X_{6\_58} + X_{6\_59} + X_{6\_60} + X_{6\_61} + X_{6\_62}$   
 $+ X_{6\_63} +$

$X_{6_64} + X_{6_65} + X_{6_66} + X_{6_67} + X_{6_68} + X_{6_69} + X_{6_70} + X_{6_71}$   
 $+ X_{6_72} +$   
 $X_{6_73} + X_{6_74} + X_{6_75} + X_{6_76} + X_{6_77} + X_{6_78} + X_{6_79} + X_{6_80}$   
 $+ X_{6_81} +$   
 $X_{6_82} + X_{6_83} + X_{6_84} + X_{6_85} + X_{6_86} + X_{6_87} + X_{6_88} + X_{6_89}$   
 $+ X_{6_90} +$   
 $X_{6_91} + X_{6_92} + X_{6_93} + X_{6_94} + X_{6_95} + X_{6_96} + X_{6_97} + X_{6_98}$   
 $+ X_{6_99} +$   
 $X_{6_100} + X_{6_101} + X_{6_102} + X_{6_103} + X_{6_104} + X_{6_105} + X_{6_106} +$   
 $X_{6_107} +$   
 $X_{6_108} + X_{6_109} + X_{6_110} + X_{6_111} + X_{6_112} + X_{6_113} + X_{6_114} +$   
 $X_{6_115} +$   
 $X_{6_116} + X_{6_117} + X_{6_118} + X_{6_119} + X_{6_120} + X_{6_121} + X_{6_122} +$   
 $X_{6_123} +$   
 $X_{6_124} + X_{6_125} + X_{6_126} + X_{6_127} + X_{6_128} + X_{6_129} + X_{6_130} +$   
 $X_{6_131} +$   
 $X_{6_132} + X_{6_133} + X_{6_134} + X_{6_135} + X_{6_136} + X_{6_137} + X_{6_138} +$   
 $X_{6_139} +$   
 $X_{6_140} + X_{6_141} + X_{6_142} + X_{6_143} + X_{6_144} + X_{6_145} + X_{6_146} +$   
 $X_{6_147} +$   
 $X_{6_148} + X_{6_149} + X_{6_150} + X_{6_151} + X_{6_152} + X_{6_153} + X_{6_154} +$   
 $X_{6_155} +$   
 $X_{6_156} + X_{6_157} + X_{6_158} + X_{6_159} + X_{6_160} + X_{6_161} + X_{6_162} +$   
 $X_{6_163} +$   
 $X_{6_164} + X_{6_165} + X_{6_166} + X_{6_167} + X_{6_168} + X_{6_169} + X_{6_170} +$   
 $X_{6_171} +$   
 $X_{6_172} + X_{6_173} + X_{6_174} + X_{6_175} + X_{6_176} + X_{6_177} + X_{6_178} +$   
 $X_{6_179} +$   
 $X_{6_180} + X_{6_181} + X_{6_182} + X_{6_183} + X_{6_184} + X_{6_185} + X_{6_186} +$   
 $X_{6_187} +$   
 $X_{6_188} + X_{6_189} + X_{6_190} + X_{6_191} + X_{6_192} + X_{6_193} + X_{6_194} +$   
 $X_{6_195} +$   
 $X_{6_196} + X_{6_197} + X_{6_198} + X_{6_199} + X_{6_200} + X_{6_201} + X_{6_202} +$   
 $X_{6_203} +$   
 $X_{6_204} + X_{6_205} + X_{6_206} + X_{6_207} + X_{6_208} + X_{6_209} + X_{6_210} +$   
 $X_{6_211} +$   
 $X_{6_212} + X_{6_213} + X_{6_214} + X_{6_215} + X_{6_216} + X_{6_217} + X_{6_218} +$   
 $X_{6_219} +$   
 $X_{6_220} + X_{6_221} + X_{6_222} + X_{6_223} + X_{6_224} + X_{6_225} + X_{6_226} +$   
 $X_{6_227} +$   
 $X_{6_228} + X_{6_229} + X_{6_230} + X_{6_231} + X_{6_232} + X_{6_233} + X_{6_234} +$   
 $X_{6_235} +$   
 $X_{6_236} + X_{6_237} + X_{6_238} + X_{6_239} + X_{6_240} \geq 8;$   
 $[_{938}] X_{7_1} + X_{7_2} + X_{7_3} + X_{7_4} + X_{7_5} + X_{7_6} + X_{7_7} + X_{7_8} +$   
 $X_{7_9} +$   
 $X_{7_10} + X_{7_11} + X_{7_12} + X_{7_13} + X_{7_14} + X_{7_15} + X_{7_16} + X_{7_17}$   
 $+ X_{7_18} +$   
 $X_{7_19} + X_{7_20} + X_{7_21} + X_{7_22} + X_{7_23} + X_{7_24} + X_{7_25} + X_{7_26}$   
 $+ X_{7_27} +$   
 $X_{7_28} + X_{7_29} + X_{7_30} + X_{7_31} + X_{7_32} + X_{7_33} + X_{7_34} + X_{7_35}$   
 $+ X_{7_36} +$   
 $X_{7_37} + X_{7_38} + X_{7_39} + X_{7_40} + X_{7_41} + X_{7_42} + X_{7_43} + X_{7_44}$   
 $+ X_{7_45} +$   
 $X_{7_46} + X_{7_47} + X_{7_48} + X_{7_49} + X_{7_50} + X_{7_51} + X_{7_52} + X_{7_53}$   
 $+ X_{7_54} +$   
 $X_{7_55} + X_{7_56} + X_{7_57} + X_{7_58} + X_{7_59} + X_{7_60} + X_{7_61} + X_{7_62}$   
 $+ X_{7_63} +$

$X_{7_64} + X_{7_65} + X_{7_66} + X_{7_67} + X_{7_68} + X_{7_69} + X_{7_70} + X_{7_71}$   
 $+ X_{7_72} +$   
 $X_{7_73} + X_{7_74} + X_{7_75} + X_{7_76} + X_{7_77} + X_{7_78} + X_{7_79} + X_{7_80}$   
 $+ X_{7_81} +$   
 $X_{7_82} + X_{7_83} + X_{7_84} + X_{7_85} + X_{7_86} + X_{7_87} + X_{7_88} + X_{7_89}$   
 $+ X_{7_90} +$   
 $X_{7_91} + X_{7_92} + X_{7_93} + X_{7_94} + X_{7_95} + X_{7_96} + X_{7_97} + X_{7_98}$   
 $+ X_{7_99} +$   
 $X_{7_{100}} + X_{7_{101}} + X_{7_{102}} + X_{7_{103}} + X_{7_{104}} + X_{7_{105}} + X_{7_{106}} +$   
 $X_{7_{107}} +$   
 $X_{7_{108}} + X_{7_{109}} + X_{7_{110}} + X_{7_{111}} + X_{7_{112}} + X_{7_{113}} + X_{7_{114}} +$   
 $X_{7_{115}} +$   
 $X_{7_{116}} + X_{7_{117}} + X_{7_{118}} + X_{7_{119}} + X_{7_{120}} + X_{7_{121}} + X_{7_{122}} +$   
 $X_{7_{123}} +$   
 $X_{7_{124}} + X_{7_{125}} + X_{7_{126}} + X_{7_{127}} + X_{7_{128}} + X_{7_{129}} + X_{7_{130}} +$   
 $X_{7_{131}} +$   
 $X_{7_{132}} + X_{7_{133}} + X_{7_{134}} + X_{7_{135}} + X_{7_{136}} + X_{7_{137}} + X_{7_{138}} +$   
 $X_{7_{139}} +$   
 $X_{7_{140}} + X_{7_{141}} + X_{7_{142}} + X_{7_{143}} + X_{7_{144}} + X_{7_{145}} + X_{7_{146}} +$   
 $X_{7_{147}} +$   
 $X_{7_{148}} + X_{7_{149}} + X_{7_{150}} + X_{7_{151}} + X_{7_{152}} + X_{7_{153}} + X_{7_{154}} +$   
 $X_{7_{155}} +$   
 $X_{7_{156}} + X_{7_{157}} + X_{7_{158}} + X_{7_{159}} + X_{7_{160}} + X_{7_{161}} + X_{7_{162}} +$   
 $X_{7_{163}} +$   
 $X_{7_{164}} + X_{7_{165}} + X_{7_{166}} + X_{7_{167}} + X_{7_{168}} + X_{7_{169}} + X_{7_{170}} +$   
 $X_{7_{171}} +$   
 $X_{7_{172}} + X_{7_{173}} + X_{7_{174}} + X_{7_{175}} + X_{7_{176}} + X_{7_{177}} + X_{7_{178}} +$   
 $X_{7_{179}} +$   
 $X_{7_{180}} + X_{7_{181}} + X_{7_{182}} + X_{7_{183}} + X_{7_{184}} + X_{7_{185}} + X_{7_{186}} +$   
 $X_{7_{187}} +$   
 $X_{7_{188}} + X_{7_{189}} + X_{7_{190}} + X_{7_{191}} + X_{7_{192}} + X_{7_{193}} + X_{7_{194}} +$   
 $X_{7_{195}} +$   
 $X_{7_{196}} + X_{7_{197}} + X_{7_{198}} + X_{7_{199}} + X_{7_{200}} + X_{7_{201}} + X_{7_{202}} +$   
 $X_{7_{203}} +$   
 $X_{7_{204}} + X_{7_{205}} + X_{7_{206}} + X_{7_{207}} + X_{7_{208}} + X_{7_{209}} + X_{7_{210}} +$   
 $X_{7_{211}} +$   
 $X_{7_{212}} + X_{7_{213}} + X_{7_{214}} + X_{7_{215}} + X_{7_{216}} + X_{7_{217}} + X_{7_{218}} +$   
 $X_{7_{219}} +$   
 $X_{7_{220}} + X_{7_{221}} + X_{7_{222}} + X_{7_{223}} + X_{7_{224}} + X_{7_{225}} + X_{7_{226}} +$   
 $X_{7_{227}} +$   
 $X_{7_{228}} + X_{7_{229}} + X_{7_{230}} + X_{7_{231}} + X_{7_{232}} + X_{7_{233}} + X_{7_{234}} +$   
 $X_{7_{235}} +$   
 $X_{7_{236}} + X_{7_{237}} + X_{7_{238}} + X_{7_{239}} + X_{7_{240}} \geq 8;$   
 $[_{939}] X_{8_1} + X_{8_2} + X_{8_3} + X_{8_4} + X_{8_5} + X_{8_6} + X_{8_7} + X_{8_8} +$   
 $X_{8_9} +$   
 $X_{8_{10}} + X_{8_{11}} + X_{8_{12}} + X_{8_{13}} + X_{8_{14}} + X_{8_{15}} + X_{8_{16}} + X_{8_{17}}$   
 $+ X_{8_{18}} +$   
 $X_{8_{19}} + X_{8_{20}} + X_{8_{21}} + X_{8_{22}} + X_{8_{23}} + X_{8_{24}} + X_{8_{25}} + X_{8_{26}}$   
 $+ X_{8_{27}} +$   
 $X_{8_{28}} + X_{8_{29}} + X_{8_{30}} + X_{8_{31}} + X_{8_{32}} + X_{8_{33}} + X_{8_{34}} + X_{8_{35}}$   
 $+ X_{8_{36}} +$   
 $X_{8_{37}} + X_{8_{38}} + X_{8_{39}} + X_{8_{40}} + X_{8_{41}} + X_{8_{42}} + X_{8_{43}} + X_{8_{44}}$   
 $+ X_{8_{45}} +$   
 $X_{8_{46}} + X_{8_{47}} + X_{8_{48}} + X_{8_{49}} + X_{8_{50}} + X_{8_{51}} + X_{8_{52}} + X_{8_{53}}$   
 $+ X_{8_{54}} +$   
 $X_{8_{55}} + X_{8_{56}} + X_{8_{57}} + X_{8_{58}} + X_{8_{59}} + X_{8_{60}} + X_{8_{61}} + X_{8_{62}}$   
 $+ X_{8_{63}} +$

$X_{8\_64} + X_{8\_65} + X_{8\_66} + X_{8\_67} + X_{8\_68} + X_{8\_69} + X_{8\_70} + X_{8\_71}$   
 $+ X_{8\_72} +$   
 $X_{8\_73} + X_{8\_74} + X_{8\_75} + X_{8\_76} + X_{8\_77} + X_{8\_78} + X_{8\_79} + X_{8\_80}$   
 $+ X_{8\_81} +$   
 $X_{8\_82} + X_{8\_83} + X_{8\_84} + X_{8\_85} + X_{8\_86} + X_{8\_87} + X_{8\_88} + X_{8\_89}$   
 $+ X_{8\_90} +$   
 $X_{8\_91} + X_{8\_92} + X_{8\_93} + X_{8\_94} + X_{8\_95} + X_{8\_96} + X_{8\_97} + X_{8\_98}$   
 $+ X_{8\_99} +$   
 $X_{8\_100} + X_{8\_101} + X_{8\_102} + X_{8\_103} + X_{8\_104} + X_{8\_105} + X_{8\_106} +$   
 $X_{8\_107} +$   
 $X_{8\_108} + X_{8\_109} + X_{8\_110} + X_{8\_111} + X_{8\_112} + X_{8\_113} + X_{8\_114} +$   
 $X_{8\_115} +$   
 $X_{8\_116} + X_{8\_117} + X_{8\_118} + X_{8\_119} + X_{8\_120} + X_{8\_121} + X_{8\_122} +$   
 $X_{8\_123} +$   
 $X_{8\_124} + X_{8\_125} + X_{8\_126} + X_{8\_127} + X_{8\_128} + X_{8\_129} + X_{8\_130} +$   
 $X_{8\_131} +$   
 $X_{8\_132} + X_{8\_133} + X_{8\_134} + X_{8\_135} + X_{8\_136} + X_{8\_137} + X_{8\_138} +$   
 $X_{8\_139} +$   
 $X_{8\_140} + X_{8\_141} + X_{8\_142} + X_{8\_143} + X_{8\_144} + X_{8\_145} + X_{8\_146} +$   
 $X_{8\_147} +$   
 $X_{8\_148} + X_{8\_149} + X_{8\_150} + X_{8\_151} + X_{8\_152} + X_{8\_153} + X_{8\_154} +$   
 $X_{8\_155} +$   
 $X_{8\_156} + X_{8\_157} + X_{8\_158} + X_{8\_159} + X_{8\_160} + X_{8\_161} + X_{8\_162} +$   
 $X_{8\_163} +$   
 $X_{8\_164} + X_{8\_165} + X_{8\_166} + X_{8\_167} + X_{8\_168} + X_{8\_169} + X_{8\_170} +$   
 $X_{8\_171} +$   
 $X_{8\_172} + X_{8\_173} + X_{8\_174} + X_{8\_175} + X_{8\_176} + X_{8\_177} + X_{8\_178} +$   
 $X_{8\_179} +$   
 $X_{8\_180} + X_{8\_181} + X_{8\_182} + X_{8\_183} + X_{8\_184} + X_{8\_185} + X_{8\_186} +$   
 $X_{8\_187} +$   
 $X_{8\_188} + X_{8\_189} + X_{8\_190} + X_{8\_191} + X_{8\_192} + X_{8\_193} + X_{8\_194} +$   
 $X_{8\_195} +$   
 $X_{8\_196} + X_{8\_197} + X_{8\_198} + X_{8\_199} + X_{8\_200} + X_{8\_201} + X_{8\_202} +$   
 $X_{8\_203} +$   
 $X_{8\_204} + X_{8\_205} + X_{8\_206} + X_{8\_207} + X_{8\_208} + X_{8\_209} + X_{8\_210} +$   
 $X_{8\_211} +$   
 $X_{8\_212} + X_{8\_213} + X_{8\_214} + X_{8\_215} + X_{8\_216} + X_{8\_217} + X_{8\_218} +$   
 $X_{8\_219} +$   
 $X_{8\_220} + X_{8\_221} + X_{8\_222} + X_{8\_223} + X_{8\_224} + X_{8\_225} + X_{8\_226} +$   
 $X_{8\_227} +$   
 $X_{8\_228} + X_{8\_229} + X_{8\_230} + X_{8\_231} + X_{8\_232} + X_{8\_233} + X_{8\_234} +$   
 $X_{8\_235} +$   
 $X_{8\_236} + X_{8\_237} + X_{8\_238} + X_{8\_239} + X_{8\_240} \geq 8;$   
 $[\_940] X_{9\_1} + X_{9\_2} + X_{9\_3} + X_{9\_4} + X_{9\_5} + X_{9\_6} + X_{9\_7} + X_{9\_8} +$   
 $X_{9\_9} +$   
 $X_{9\_10} + X_{9\_11} + X_{9\_12} + X_{9\_13} + X_{9\_14} + X_{9\_15} + X_{9\_16} + X_{9\_17}$   
 $+ X_{9\_18} +$   
 $X_{9\_19} + X_{9\_20} + X_{9\_21} + X_{9\_22} + X_{9\_23} + X_{9\_24} + X_{9\_25} + X_{9\_26}$   
 $+ X_{9\_27} +$   
 $X_{9\_28} + X_{9\_29} + X_{9\_30} + X_{9\_31} + X_{9\_32} + X_{9\_33} + X_{9\_34} + X_{9\_35}$   
 $+ X_{9\_36} +$   
 $X_{9\_37} + X_{9\_38} + X_{9\_39} + X_{9\_40} + X_{9\_41} + X_{9\_42} + X_{9\_43} + X_{9\_44}$   
 $+ X_{9\_45} +$   
 $X_{9\_46} + X_{9\_47} + X_{9\_48} + X_{9\_49} + X_{9\_50} + X_{9\_51} + X_{9\_52} + X_{9\_53}$   
 $+ X_{9\_54} +$   
 $X_{9\_55} + X_{9\_56} + X_{9\_57} + X_{9\_58} + X_{9\_59} + X_{9\_60} + X_{9\_61} + X_{9\_62}$   
 $+ X_{9\_63} +$

$X_{9\_64} + X_{9\_65} + X_{9\_66} + X_{9\_67} + X_{9\_68} + X_{9\_69} + X_{9\_70} + X_{9\_71}$   
 $+ X_{9\_72} +$   
 $X_{9\_73} + X_{9\_74} + X_{9\_75} + X_{9\_76} + X_{9\_77} + X_{9\_78} + X_{9\_79} + X_{9\_80}$   
 $+ X_{9\_81} +$   
 $X_{9\_82} + X_{9\_83} + X_{9\_84} + X_{9\_85} + X_{9\_86} + X_{9\_87} + X_{9\_88} + X_{9\_89}$   
 $+ X_{9\_90} +$   
 $X_{9\_91} + X_{9\_92} + X_{9\_93} + X_{9\_94} + X_{9\_95} + X_{9\_96} + X_{9\_97} + X_{9\_98}$   
 $+ X_{9\_99} +$   
 $X_{9\_100} + X_{9\_101} + X_{9\_102} + X_{9\_103} + X_{9\_104} + X_{9\_105} + X_{9\_106} +$   
 $X_{9\_107} +$   
 $X_{9\_108} + X_{9\_109} + X_{9\_110} + X_{9\_111} + X_{9\_112} + X_{9\_113} + X_{9\_114} +$   
 $X_{9\_115} +$   
 $X_{9\_116} + X_{9\_117} + X_{9\_118} + X_{9\_119} + X_{9\_120} + X_{9\_121} + X_{9\_122} +$   
 $X_{9\_123} +$   
 $X_{9\_124} + X_{9\_125} + X_{9\_126} + X_{9\_127} + X_{9\_128} + X_{9\_129} + X_{9\_130} +$   
 $X_{9\_131} +$   
 $X_{9\_132} + X_{9\_133} + X_{9\_134} + X_{9\_135} + X_{9\_136} + X_{9\_137} + X_{9\_138} +$   
 $X_{9\_139} +$   
 $X_{9\_140} + X_{9\_141} + X_{9\_142} + X_{9\_143} + X_{9\_144} + X_{9\_145} + X_{9\_146} +$   
 $X_{9\_147} +$   
 $X_{9\_148} + X_{9\_149} + X_{9\_150} + X_{9\_151} + X_{9\_152} + X_{9\_153} + X_{9\_154} +$   
 $X_{9\_155} +$   
 $X_{9\_156} + X_{9\_157} + X_{9\_158} + X_{9\_159} + X_{9\_160} + X_{9\_161} + X_{9\_162} +$   
 $X_{9\_163} +$   
 $X_{9\_164} + X_{9\_165} + X_{9\_166} + X_{9\_167} + X_{9\_168} + X_{9\_169} + X_{9\_170} +$   
 $X_{9\_171} +$   
 $X_{9\_172} + X_{9\_173} + X_{9\_174} + X_{9\_175} + X_{9\_176} + X_{9\_177} + X_{9\_178} +$   
 $X_{9\_179} +$   
 $X_{9\_180} + X_{9\_181} + X_{9\_182} + X_{9\_183} + X_{9\_184} + X_{9\_185} + X_{9\_186} +$   
 $X_{9\_187} +$   
 $X_{9\_188} + X_{9\_189} + X_{9\_190} + X_{9\_191} + X_{9\_192} + X_{9\_193} + X_{9\_194} +$   
 $X_{9\_195} +$   
 $X_{9\_196} + X_{9\_197} + X_{9\_198} + X_{9\_199} + X_{9\_200} + X_{9\_201} + X_{9\_202} +$   
 $X_{9\_203} +$   
 $X_{9\_204} + X_{9\_205} + X_{9\_206} + X_{9\_207} + X_{9\_208} + X_{9\_209} + X_{9\_210} +$   
 $X_{9\_211} +$   
 $X_{9\_212} + X_{9\_213} + X_{9\_214} + X_{9\_215} + X_{9\_216} + X_{9\_217} + X_{9\_218} +$   
 $X_{9\_219} +$   
 $X_{9\_220} + X_{9\_221} + X_{9\_222} + X_{9\_223} + X_{9\_224} + X_{9\_225} + X_{9\_226} +$   
 $X_{9\_227} +$   
 $X_{9\_228} + X_{9\_229} + X_{9\_230} + X_{9\_231} + X_{9\_232} + X_{9\_233} + X_{9\_234} +$   
 $X_{9\_235} +$   
 $X_{9\_236} + X_{9\_237} + X_{9\_238} + X_{9\_239} + X_{9\_240} \geq 8;$   
 $[\_941] X_{10\_1} + X_{10\_2} + X_{10\_3} + X_{10\_4} + X_{10\_5} + X_{10\_6} + X_{10\_7} +$   
 $X_{10\_8} +$   
 $X_{10\_9} + X_{10\_10} + X_{10\_11} + X_{10\_12} + X_{10\_13} + X_{10\_14} + X_{10\_15} +$   
 $X_{10\_16} +$   
 $X_{10\_17} + X_{10\_18} + X_{10\_19} + X_{10\_20} + X_{10\_21} + X_{10\_22} + X_{10\_23} +$   
 $X_{10\_24} +$   
 $X_{10\_25} + X_{10\_26} + X_{10\_27} + X_{10\_28} + X_{10\_29} + X_{10\_30} + X_{10\_31} +$   
 $X_{10\_32} +$   
 $X_{10\_33} + X_{10\_34} + X_{10\_35} + X_{10\_36} + X_{10\_37} + X_{10\_38} + X_{10\_39} +$   
 $X_{10\_40} +$   
 $X_{10\_41} + X_{10\_42} + X_{10\_43} + X_{10\_44} + X_{10\_45} + X_{10\_46} + X_{10\_47} +$   
 $X_{10\_48} +$   
 $X_{10\_49} + X_{10\_50} + X_{10\_51} + X_{10\_52} + X_{10\_53} + X_{10\_54} + X_{10\_55} +$   
 $X_{10\_56} +$



$X_{10\_57} + X_{10\_58} + X_{10\_59} + X_{10\_60} + X_{10\_61} + X_{10\_62} + X_{10\_63} +$   
 $X_{10\_64} +$   
 $X_{10\_65} + X_{10\_66} + X_{10\_67} + X_{10\_68} + X_{10\_69} + X_{10\_70} + X_{10\_71} +$   
 $X_{10\_72} +$   
 $X_{10\_73} + X_{10\_74} + X_{10\_75} + X_{10\_76} + X_{10\_77} + X_{10\_78} + X_{10\_79} +$   
 $X_{10\_80} +$   
 $X_{10\_81} + X_{10\_82} + X_{10\_83} + X_{10\_84} + X_{10\_85} + X_{10\_86} + X_{10\_87} +$   
 $X_{10\_88} +$   
 $X_{10\_89} + X_{10\_90} + X_{10\_91} + X_{10\_92} + X_{10\_93} + X_{10\_94} + X_{10\_95} +$   
 $X_{10\_96} +$   
 $X_{10\_97} + X_{10\_98} + X_{10\_99} + X_{10\_100} + X_{10\_101} + X_{10\_102} +$   
 $X_{10\_103} + X_{10\_104}$   
 $+ X_{10\_105} + X_{10\_106} + X_{10\_107} + X_{10\_108} + X_{10\_109} + X_{10\_110} +$   
 $X_{10\_111} +$   
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 $X_{10\_161} + X_{10\_162} + X_{10\_163} + X_{10\_164} + X_{10\_165} + X_{10\_166} +$   
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 $X_{10\_230} +$   
 $X_{10\_231} + X_{10\_232} + X_{10\_233} + X_{10\_234} + X_{10\_235} + X_{10\_236} +$   
 $X_{10\_237} +$   
 $X_{10\_238} + X_{10\_239} + X_{10\_240} \geq 8;$   
 $[\_942] X_{11\_1} + X_{11\_2} + X_{11\_3} + X_{11\_4} + X_{11\_5} + X_{11\_6} + X_{11\_7} +$   
 $X_{11\_8} +$   
 $X_{11\_9} + X_{11\_10} + X_{11\_11} + X_{11\_12} + X_{11\_13} + X_{11\_14} + X_{11\_15} +$   
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 $X_{11\_24} +$

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X\_11\_64 +  
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+ X\_11\_105 + X\_11\_106 + X\_11\_107 + X\_11\_108 + X\_11\_109 + X\_11\_110 +  
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$X_{11\_231} + X_{11\_232} + X_{11\_233} + X_{11\_234} + X_{11\_235} + X_{11\_236} +$   
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 $X_{11\_238} + X_{11\_239} + X_{11\_240} \geq 8;$   
 [\_943]  $X_{12\_1} + X_{12\_2} + X_{12\_3} + X_{12\_4} + X_{12\_5} + X_{12\_6} + X_{12\_7} +$   
 $X_{12\_8} +$   
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 $+ X_{12\_105} + X_{12\_106} + X_{12\_107} + X_{12\_108} + X_{12\_109} + X_{12\_110} +$   
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 $X_{12\_231} + X_{12\_232} + X_{12\_233} + X_{12\_234} + X_{12\_235} + X_{12\_236} +$   
 $X_{12\_237} +$   
 $X_{12\_238} + X_{12\_239} + X_{12\_240} \geq 8;$   
 [\_944]  $X_{13\_1} + X_{13\_2} + X_{13\_3} + X_{13\_4} + X_{13\_5} + X_{13\_6} + X_{13\_7} +$   
 $X_{13\_8} +$   
 $X_{13\_9} + X_{13\_10} + X_{13\_11} + X_{13\_12} + X_{13\_13} + X_{13\_14} + X_{13\_15} +$   
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 $+ X_{13\_105} + X_{13\_106} + X_{13\_107} + X_{13\_108} + X_{13\_109} + X_{13\_110} +$   
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 $X_{13\_237} +$   
 $X_{13\_238} + X_{13\_239} + X_{13\_240} \geq 8;$   
 $[\_945] X_{14\_1} + X_{14\_2} + X_{14\_3} + X_{14\_4} + X_{14\_5} + X_{14\_6} + X_{14\_7} +$   
 $X_{14\_8} +$   
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 $X_{14\_25} + X_{14\_26} + X_{14\_27} + X_{14\_28} + X_{14\_29} + X_{14\_30} + X_{14\_31} +$   
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 $X_{14\_97} + X_{14\_98} + X_{14\_99} + X_{14\_100} + X_{14\_101} + X_{14\_102} +$   
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 $+ X_{14\_105} + X_{14\_106} + X_{14\_107} + X_{14\_108} + X_{14\_109} + X_{14\_110} +$   
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$X_{14\_147} + X_{14\_148} + X_{14\_149} + X_{14\_150} + X_{14\_151} + X_{14\_152} +$   
 $X_{14\_153} +$   
 $X_{14\_154} + X_{14\_155} + X_{14\_156} + X_{14\_157} + X_{14\_158} + X_{14\_159} +$   
 $X_{14\_160} +$   
 $X_{14\_161} + X_{14\_162} + X_{14\_163} + X_{14\_164} + X_{14\_165} + X_{14\_166} +$   
 $X_{14\_167} +$   
 $X_{14\_168} + X_{14\_169} + X_{14\_170} + X_{14\_171} + X_{14\_172} + X_{14\_173} +$   
 $X_{14\_174} +$   
 $X_{14\_175} + X_{14\_176} + X_{14\_177} + X_{14\_178} + X_{14\_179} + X_{14\_180} +$   
 $X_{14\_181} +$   
 $X_{14\_182} + X_{14\_183} + X_{14\_184} + X_{14\_185} + X_{14\_186} + X_{14\_187} +$   
 $X_{14\_188} +$   
 $X_{14\_189} + X_{14\_190} + X_{14\_191} + X_{14\_192} + X_{14\_193} + X_{14\_194} +$   
 $X_{14\_195} +$   
 $X_{14\_196} + X_{14\_197} + X_{14\_198} + X_{14\_199} + X_{14\_200} + X_{14\_201} +$   
 $X_{14\_202} +$   
 $X_{14\_203} + X_{14\_204} + X_{14\_205} + X_{14\_206} + X_{14\_207} + X_{14\_208} +$   
 $X_{14\_209} +$   
 $X_{14\_210} + X_{14\_211} + X_{14\_212} + X_{14\_213} + X_{14\_214} + X_{14\_215} +$   
 $X_{14\_216} +$   
 $X_{14\_217} + X_{14\_218} + X_{14\_219} + X_{14\_220} + X_{14\_221} + X_{14\_222} +$   
 $X_{14\_223} +$   
 $X_{14\_224} + X_{14\_225} + X_{14\_226} + X_{14\_227} + X_{14\_228} + X_{14\_229} +$   
 $X_{14\_230} +$   
 $X_{14\_231} + X_{14\_232} + X_{14\_233} + X_{14\_234} + X_{14\_235} + X_{14\_236} +$   
 $X_{14\_237} +$   
 $X_{14\_238} + X_{14\_239} + X_{14\_240} \geq 8;$   
 $[\_946] X_{15\_1} + X_{15\_2} + X_{15\_3} + X_{15\_4} + X_{15\_5} + X_{15\_6} + X_{15\_7} +$   
 $X_{15\_8} +$   
 $X_{15\_9} + X_{15\_10} + X_{15\_11} + X_{15\_12} + X_{15\_13} + X_{15\_14} + X_{15\_15} +$   
 $X_{15\_16} +$   
 $X_{15\_17} + X_{15\_18} + X_{15\_19} + X_{15\_20} + X_{15\_21} + X_{15\_22} + X_{15\_23} +$   
 $X_{15\_24} +$   
 $X_{15\_25} + X_{15\_26} + X_{15\_27} + X_{15\_28} + X_{15\_29} + X_{15\_30} + X_{15\_31} +$   
 $X_{15\_32} +$   
 $X_{15\_33} + X_{15\_34} + X_{15\_35} + X_{15\_36} + X_{15\_37} + X_{15\_38} + X_{15\_39} +$   
 $X_{15\_40} +$   
 $X_{15\_41} + X_{15\_42} + X_{15\_43} + X_{15\_44} + X_{15\_45} + X_{15\_46} + X_{15\_47} +$   
 $X_{15\_48} +$   
 $X_{15\_49} + X_{15\_50} + X_{15\_51} + X_{15\_52} + X_{15\_53} + X_{15\_54} + X_{15\_55} +$   
 $X_{15\_56} +$   
 $X_{15\_57} + X_{15\_58} + X_{15\_59} + X_{15\_60} + X_{15\_61} + X_{15\_62} + X_{15\_63} +$   
 $X_{15\_64} +$   
 $X_{15\_65} + X_{15\_66} + X_{15\_67} + X_{15\_68} + X_{15\_69} + X_{15\_70} + X_{15\_71} +$   
 $X_{15\_72} +$   
 $X_{15\_73} + X_{15\_74} + X_{15\_75} + X_{15\_76} + X_{15\_77} + X_{15\_78} + X_{15\_79} +$   
 $X_{15\_80} +$   
 $X_{15\_81} + X_{15\_82} + X_{15\_83} + X_{15\_84} + X_{15\_85} + X_{15\_86} + X_{15\_87} +$   
 $X_{15\_88} +$   
 $X_{15\_89} + X_{15\_90} + X_{15\_91} + X_{15\_92} + X_{15\_93} + X_{15\_94} + X_{15\_95} +$   
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 $X_{15\_97} + X_{15\_98} + X_{15\_99} + X_{15\_100} + X_{15\_101} + X_{15\_102} +$   
 $X_{15\_103} + X_{15\_104}$   
 $+ X_{15\_105} + X_{15\_106} + X_{15\_107} + X_{15\_108} + X_{15\_109} + X_{15\_110} +$   
 $X_{15\_111} +$   
 $X_{15\_112} + X_{15\_113} + X_{15\_114} + X_{15\_115} + X_{15\_116} + X_{15\_117} +$   
 $X_{15\_118} +$

X\_15\_119 + X\_15\_120 + X\_15\_121 + X\_15\_122 + X\_15\_123 + X\_15\_124 +  
X\_15\_125 +  
X\_15\_126 + X\_15\_127 + X\_15\_128 + X\_15\_129 + X\_15\_130 + X\_15\_131 +  
X\_15\_132 +  
X\_15\_133 + X\_15\_134 + X\_15\_135 + X\_15\_136 + X\_15\_137 + X\_15\_138 +  
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X\_15\_210 + X\_15\_211 + X\_15\_212 + X\_15\_213 + X\_15\_214 + X\_15\_215 +  
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X\_15\_217 + X\_15\_218 + X\_15\_219 + X\_15\_220 + X\_15\_221 + X\_15\_222 +  
X\_15\_223 +  
X\_15\_224 + X\_15\_225 + X\_15\_226 + X\_15\_227 + X\_15\_228 + X\_15\_229 +  
X\_15\_230 +  
X\_15\_231 + X\_15\_232 + X\_15\_233 + X\_15\_234 + X\_15\_235 + X\_15\_236 +  
X\_15\_237 +  
X\_15\_238 + X\_15\_239 + X\_15\_240 >= 8;  
[ 947] X\_16\_1 + X\_16\_2 + X\_16\_3 + X\_16\_4 + X\_16\_5 + X\_16\_6 + X\_16\_7 +  
X\_16\_8 +  
X\_16\_9 + X\_16\_10 + X\_16\_11 + X\_16\_12 + X\_16\_13 + X\_16\_14 + X\_16\_15 +  
X\_16\_16 +  
X\_16\_17 + X\_16\_18 + X\_16\_19 + X\_16\_20 + X\_16\_21 + X\_16\_22 + X\_16\_23 +  
X\_16\_24 +  
X\_16\_25 + X\_16\_26 + X\_16\_27 + X\_16\_28 + X\_16\_29 + X\_16\_30 + X\_16\_31 +  
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X\_16\_40 +  
X\_16\_41 + X\_16\_42 + X\_16\_43 + X\_16\_44 + X\_16\_45 + X\_16\_46 + X\_16\_47 +  
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X\_16\_64 +  
X\_16\_65 + X\_16\_66 + X\_16\_67 + X\_16\_68 + X\_16\_69 + X\_16\_70 + X\_16\_71 +  
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X\_16\_88 +

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 $+ X_{16\_105} + X_{16\_106} + X_{16\_107} + X_{16\_108} + X_{16\_109} + X_{16\_110} +$   
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 $X_{16\_168} + X_{16\_169} + X_{16\_170} + X_{16\_171} + X_{16\_172} + X_{16\_173} +$   
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 $X_{16\_189} + X_{16\_190} + X_{16\_191} + X_{16\_192} + X_{16\_193} + X_{16\_194} +$   
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 $X_{16\_196} + X_{16\_197} + X_{16\_198} + X_{16\_199} + X_{16\_200} + X_{16\_201} +$   
 $X_{16\_202} +$   
 $X_{16\_203} + X_{16\_204} + X_{16\_205} + X_{16\_206} + X_{16\_207} + X_{16\_208} +$   
 $X_{16\_209} +$   
 $X_{16\_210} + X_{16\_211} + X_{16\_212} + X_{16\_213} + X_{16\_214} + X_{16\_215} +$   
 $X_{16\_216} +$   
 $X_{16\_217} + X_{16\_218} + X_{16\_219} + X_{16\_220} + X_{16\_221} + X_{16\_222} +$   
 $X_{16\_223} +$   
 $X_{16\_224} + X_{16\_225} + X_{16\_226} + X_{16\_227} + X_{16\_228} + X_{16\_229} +$   
 $X_{16\_230} +$   
 $X_{16\_231} + X_{16\_232} + X_{16\_233} + X_{16\_234} + X_{16\_235} + X_{16\_236} +$   
 $X_{16\_237} +$   
 $X_{16\_238} + X_{16\_239} + X_{16\_240} \geq 8;$   
 $[\_948] X_{17\_1} + X_{17\_2} + X_{17\_3} + X_{17\_4} + X_{17\_5} + X_{17\_6} + X_{17\_7} +$   
 $X_{17\_8} +$   
 $X_{17\_9} + X_{17\_10} + X_{17\_11} + X_{17\_12} + X_{17\_13} + X_{17\_14} + X_{17\_15} +$   
 $X_{17\_16} +$   
 $X_{17\_17} + X_{17\_18} + X_{17\_19} + X_{17\_20} + X_{17\_21} + X_{17\_22} + X_{17\_23} +$   
 $X_{17\_24} +$   
 $X_{17\_25} + X_{17\_26} + X_{17\_27} + X_{17\_28} + X_{17\_29} + X_{17\_30} + X_{17\_31} +$   
 $X_{17\_32} +$   
 $X_{17\_33} + X_{17\_34} + X_{17\_35} + X_{17\_36} + X_{17\_37} + X_{17\_38} + X_{17\_39} +$   
 $X_{17\_40} +$   
 $X_{17\_41} + X_{17\_42} + X_{17\_43} + X_{17\_44} + X_{17\_45} + X_{17\_46} + X_{17\_47} +$   
 $X_{17\_48} +$   
 $X_{17\_49} + X_{17\_50} + X_{17\_51} + X_{17\_52} + X_{17\_53} + X_{17\_54} + X_{17\_55} +$   
 $X_{17\_56} +$



$X_{17\_57} + X_{17\_58} + X_{17\_59} + X_{17\_60} + X_{17\_61} + X_{17\_62} + X_{17\_63} +$   
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 $X_{17\_65} + X_{17\_66} + X_{17\_67} + X_{17\_68} + X_{17\_69} + X_{17\_70} + X_{17\_71} +$   
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 $X_{17\_73} + X_{17\_74} + X_{17\_75} + X_{17\_76} + X_{17\_77} + X_{17\_78} + X_{17\_79} +$   
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 $X_{17\_81} + X_{17\_82} + X_{17\_83} + X_{17\_84} + X_{17\_85} + X_{17\_86} + X_{17\_87} +$   
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 $X_{17\_97} + X_{17\_98} + X_{17\_99} + X_{17\_100} + X_{17\_101} + X_{17\_102} +$   
 $X_{17\_103} + X_{17\_104}$   
 $+ X_{17\_105} + X_{17\_106} + X_{17\_107} + X_{17\_108} + X_{17\_109} + X_{17\_110} +$   
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 $X_{17\_126} + X_{17\_127} + X_{17\_128} + X_{17\_129} + X_{17\_130} + X_{17\_131} +$   
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 $X_{17\_140} + X_{17\_141} + X_{17\_142} + X_{17\_143} + X_{17\_144} + X_{17\_145} +$   
 $X_{17\_146} +$   
 $X_{17\_147} + X_{17\_148} + X_{17\_149} + X_{17\_150} + X_{17\_151} + X_{17\_152} +$   
 $X_{17\_153} +$   
 $X_{17\_154} + X_{17\_155} + X_{17\_156} + X_{17\_157} + X_{17\_158} + X_{17\_159} +$   
 $X_{17\_160} +$   
 $X_{17\_161} + X_{17\_162} + X_{17\_163} + X_{17\_164} + X_{17\_165} + X_{17\_166} +$   
 $X_{17\_167} +$   
 $X_{17\_168} + X_{17\_169} + X_{17\_170} + X_{17\_171} + X_{17\_172} + X_{17\_173} +$   
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 $X_{17\_175} + X_{17\_176} + X_{17\_177} + X_{17\_178} + X_{17\_179} + X_{17\_180} +$   
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 $X_{17\_182} + X_{17\_183} + X_{17\_184} + X_{17\_185} + X_{17\_186} + X_{17\_187} +$   
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 $X_{17\_189} + X_{17\_190} + X_{17\_191} + X_{17\_192} + X_{17\_193} + X_{17\_194} +$   
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 $X_{17\_203} + X_{17\_204} + X_{17\_205} + X_{17\_206} + X_{17\_207} + X_{17\_208} +$   
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 $X_{17\_210} + X_{17\_211} + X_{17\_212} + X_{17\_213} + X_{17\_214} + X_{17\_215} +$   
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 $X_{17\_224} + X_{17\_225} + X_{17\_226} + X_{17\_227} + X_{17\_228} + X_{17\_229} +$   
 $X_{17\_230} +$   
 $X_{17\_231} + X_{17\_232} + X_{17\_233} + X_{17\_234} + X_{17\_235} + X_{17\_236} +$   
 $X_{17\_237} +$   
 $X_{17\_238} + X_{17\_239} + X_{17\_240} \geq 8;$   
 $[\_949] X_{18\_1} + X_{18\_2} + X_{18\_3} + X_{18\_4} + X_{18\_5} + X_{18\_6} + X_{18\_7} +$   
 $X_{18\_8} +$   
 $X_{18\_9} + X_{18\_10} + X_{18\_11} + X_{18\_12} + X_{18\_13} + X_{18\_14} + X_{18\_15} +$   
 $X_{18\_16} +$   
 $X_{18\_17} + X_{18\_18} + X_{18\_19} + X_{18\_20} + X_{18\_21} + X_{18\_22} + X_{18\_23} +$   
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X\_18\_25 + X\_18\_26 + X\_18\_27 + X\_18\_28 + X\_18\_29 + X\_18\_30 + X\_18\_31 +  
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X\_18\_217 + X\_18\_218 + X\_18\_219 + X\_18\_220 + X\_18\_221 + X\_18\_222 +  
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X\_18\_224 + X\_18\_225 + X\_18\_226 + X\_18\_227 + X\_18\_228 + X\_18\_229 +  
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$X_{18\_231} + X_{18\_232} + X_{18\_233} + X_{18\_234} + X_{18\_235} + X_{18\_236} +$   
 $X_{18\_237} +$   
 $X_{18\_238} + X_{18\_239} + X_{18\_240} \geq 8;$   
 $[_{950}] X_{19\_1} + X_{19\_2} + X_{19\_3} + X_{19\_4} + X_{19\_5} + X_{19\_6} + X_{19\_7} +$   
 $X_{19\_8} +$   
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 $[\_952] X_{21\_1} + X_{21\_2} + X_{21\_3} + X_{21\_4} + X_{21\_5} + X_{21\_6} + X_{21\_7} +$   
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 $[_{953}] X_{22\_1} + X_{22\_2} + X_{22\_3} + X_{22\_4} + X_{22\_5} + X_{22\_6} + X_{22\_7} +$   
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 $[_{954}] X_{23\_1} + X_{23\_2} + X_{23\_3} + X_{23\_4} + X_{23\_5} + X_{23\_6} + X_{23\_7} +$   
 $X_{23\_8} +$   
 $X_{23\_9} + X_{23\_10} + X_{23\_11} + X_{23\_12} + X_{23\_13} + X_{23\_14} + X_{23\_15} +$   
 $X_{23\_16} +$   
 $X_{23\_17} + X_{23\_18} + X_{23\_19} + X_{23\_20} + X_{23\_21} + X_{23\_22} + X_{23\_23} +$   
 $X_{23\_24} +$   
 $X_{23\_25} + X_{23\_26} + X_{23\_27} + X_{23\_28} + X_{23\_29} + X_{23\_30} + X_{23\_31} +$   
 $X_{23\_32} +$   
 $X_{23\_33} + X_{23\_34} + X_{23\_35} + X_{23\_36} + X_{23\_37} + X_{23\_38} + X_{23\_39} +$   
 $X_{23\_40} +$   
 $X_{23\_41} + X_{23\_42} + X_{23\_43} + X_{23\_44} + X_{23\_45} + X_{23\_46} + X_{23\_47} +$   
 $X_{23\_48} +$   
 $X_{23\_49} + X_{23\_50} + X_{23\_51} + X_{23\_52} + X_{23\_53} + X_{23\_54} + X_{23\_55} +$   
 $X_{23\_56} +$   
 $X_{23\_57} + X_{23\_58} + X_{23\_59} + X_{23\_60} + X_{23\_61} + X_{23\_62} + X_{23\_63} +$   
 $X_{23\_64} +$   
 $X_{23\_65} + X_{23\_66} + X_{23\_67} + X_{23\_68} + X_{23\_69} + X_{23\_70} + X_{23\_71} +$   
 $X_{23\_72} +$   
 $X_{23\_73} + X_{23\_74} + X_{23\_75} + X_{23\_76} + X_{23\_77} + X_{23\_78} + X_{23\_79} +$   
 $X_{23\_80} +$   
 $X_{23\_81} + X_{23\_82} + X_{23\_83} + X_{23\_84} + X_{23\_85} + X_{23\_86} + X_{23\_87} +$   
 $X_{23\_88} +$

$X_{23\_89} + X_{23\_90} + X_{23\_91} + X_{23\_92} + X_{23\_93} + X_{23\_94} + X_{23\_95} +$   
 $X_{23\_96} +$   
 $X_{23\_97} + X_{23\_98} + X_{23\_99} + X_{23\_100} + X_{23\_101} + X_{23\_102} +$   
 $X_{23\_103} + X_{23\_104}$   
 $+ X_{23\_105} + X_{23\_106} + X_{23\_107} + X_{23\_108} + X_{23\_109} + X_{23\_110} +$   
 $X_{23\_111} +$   
 $X_{23\_112} + X_{23\_113} + X_{23\_114} + X_{23\_115} + X_{23\_116} + X_{23\_117} +$   
 $X_{23\_118} +$   
 $X_{23\_119} + X_{23\_120} + X_{23\_121} + X_{23\_122} + X_{23\_123} + X_{23\_124} +$   
 $X_{23\_125} +$   
 $X_{23\_126} + X_{23\_127} + X_{23\_128} + X_{23\_129} + X_{23\_130} + X_{23\_131} +$   
 $X_{23\_132} +$   
 $X_{23\_133} + X_{23\_134} + X_{23\_135} + X_{23\_136} + X_{23\_137} + X_{23\_138} +$   
 $X_{23\_139} +$   
 $X_{23\_140} + X_{23\_141} + X_{23\_142} + X_{23\_143} + X_{23\_144} + X_{23\_145} +$   
 $X_{23\_146} +$   
 $X_{23\_147} + X_{23\_148} + X_{23\_149} + X_{23\_150} + X_{23\_151} + X_{23\_152} +$   
 $X_{23\_153} +$   
 $X_{23\_154} + X_{23\_155} + X_{23\_156} + X_{23\_157} + X_{23\_158} + X_{23\_159} +$   
 $X_{23\_160} +$   
 $X_{23\_161} + X_{23\_162} + X_{23\_163} + X_{23\_164} + X_{23\_165} + X_{23\_166} +$   
 $X_{23\_167} +$   
 $X_{23\_168} + X_{23\_169} + X_{23\_170} + X_{23\_171} + X_{23\_172} + X_{23\_173} +$   
 $X_{23\_174} +$   
 $X_{23\_175} + X_{23\_176} + X_{23\_177} + X_{23\_178} + X_{23\_179} + X_{23\_180} +$   
 $X_{23\_181} +$   
 $X_{23\_182} + X_{23\_183} + X_{23\_184} + X_{23\_185} + X_{23\_186} + X_{23\_187} +$   
 $X_{23\_188} +$   
 $X_{23\_189} + X_{23\_190} + X_{23\_191} + X_{23\_192} + X_{23\_193} + X_{23\_194} +$   
 $X_{23\_195} +$   
 $X_{23\_196} + X_{23\_197} + X_{23\_198} + X_{23\_199} + X_{23\_200} + X_{23\_201} +$   
 $X_{23\_202} +$   
 $X_{23\_203} + X_{23\_204} + X_{23\_205} + X_{23\_206} + X_{23\_207} + X_{23\_208} +$   
 $X_{23\_209} +$   
 $X_{23\_210} + X_{23\_211} + X_{23\_212} + X_{23\_213} + X_{23\_214} + X_{23\_215} +$   
 $X_{23\_216} +$   
 $X_{23\_217} + X_{23\_218} + X_{23\_219} + X_{23\_220} + X_{23\_221} + X_{23\_222} +$   
 $X_{23\_223} +$   
 $X_{23\_224} + X_{23\_225} + X_{23\_226} + X_{23\_227} + X_{23\_228} + X_{23\_229} +$   
 $X_{23\_230} +$   
 $X_{23\_231} + X_{23\_232} + X_{23\_233} + X_{23\_234} + X_{23\_235} + X_{23\_236} +$   
 $X_{23\_237} +$   
 $X_{23\_238} + X_{23\_239} + X_{23\_240} \geq 8;$   
 $[_{955}] X_{1\_1} + X_{1\_2} + X_{1\_3} + X_{1\_4} + X_{1\_5} + X_{1\_6} + X_{1\_7} + X_{1\_8} +$   
 $X_{1\_9} +$   
 $X_{1\_10} + X_{1\_11} + X_{1\_12} + X_{1\_13} + X_{1\_14} + X_{1\_15} + X_{1\_16} + X_{1\_17}$   
 $+ X_{1\_18} +$   
 $X_{1\_19} + X_{1\_20} + X_{1\_21} + X_{1\_22} + X_{1\_23} + X_{1\_24} + X_{1\_25} + X_{1\_26}$   
 $+ X_{1\_27} +$   
 $X_{1\_28} + X_{1\_29} + X_{1\_30} + X_{1\_31} + X_{1\_32} + X_{1\_33} + X_{1\_34} + X_{1\_35}$   
 $+ X_{1\_36} +$   
 $X_{1\_37} + X_{1\_38} + X_{1\_39} + X_{1\_40} + X_{1\_41} + X_{1\_42} + X_{1\_43} + X_{1\_44}$   
 $+ X_{1\_45} +$   
 $X_{1\_46} + X_{1\_47} + X_{1\_48} + X_{1\_49} + X_{1\_50} + X_{1\_51} + X_{1\_52} + X_{1\_53}$   
 $+ X_{1\_54} +$   
 $X_{1\_55} + X_{1\_56} + X_{1\_57} + X_{1\_58} + X_{1\_59} + X_{1\_60} + X_{1\_61} + X_{1\_62}$   
 $+ X_{1\_63} +$



$X_{1\_64} + X_{1\_65} + X_{1\_66} + X_{1\_67} + X_{1\_68} + X_{1\_69} + X_{1\_70} + X_{1\_71}$   
 $+ X_{1\_72} +$   
 $X_{1\_73} + X_{1\_74} + X_{1\_75} + X_{1\_76} + X_{1\_77} + X_{1\_78} + X_{1\_79} + X_{1\_80}$   
 $+ X_{1\_81} +$   
 $X_{1\_82} + X_{1\_83} + X_{1\_84} + X_{1\_85} + X_{1\_86} + X_{1\_87} + X_{1\_88} + X_{1\_89}$   
 $+ X_{1\_90} +$   
 $X_{1\_91} + X_{1\_92} + X_{1\_93} + X_{1\_94} + X_{1\_95} + X_{1\_96} + X_{1\_97} + X_{1\_98}$   
 $+ X_{1\_99} +$   
 $X_{1\_100} + X_{1\_101} + X_{1\_102} + X_{1\_103} + X_{1\_104} + X_{1\_105} + X_{1\_106} +$   
 $X_{1\_107} +$   
 $X_{1\_108} + X_{1\_109} + X_{1\_110} + X_{1\_111} + X_{1\_112} + X_{1\_113} + X_{1\_114} +$   
 $X_{1\_115} +$   
 $X_{1\_116} + X_{1\_117} + X_{1\_118} + X_{1\_119} + X_{1\_120} + X_{1\_121} + X_{1\_122} +$   
 $X_{1\_123} +$   
 $X_{1\_124} + X_{1\_125} + X_{1\_126} + X_{1\_127} + X_{1\_128} + X_{1\_129} + X_{1\_130} +$   
 $X_{1\_131} +$   
 $X_{1\_132} + X_{1\_133} + X_{1\_134} + X_{1\_135} + X_{1\_136} + X_{1\_137} + X_{1\_138} +$   
 $X_{1\_139} +$   
 $X_{1\_140} + X_{1\_141} + X_{1\_142} + X_{1\_143} + X_{1\_144} + X_{1\_145} + X_{1\_146} +$   
 $X_{1\_147} +$   
 $X_{1\_148} + X_{1\_149} + X_{1\_150} + X_{1\_151} + X_{1\_152} + X_{1\_153} + X_{1\_154} +$   
 $X_{1\_155} +$   
 $X_{1\_156} + X_{1\_157} + X_{1\_158} + X_{1\_159} + X_{1\_160} + X_{1\_161} + X_{1\_162} +$   
 $X_{1\_163} +$   
 $X_{1\_164} + X_{1\_165} + X_{1\_166} + X_{1\_167} + X_{1\_168} + X_{1\_169} + X_{1\_170} +$   
 $X_{1\_171} +$   
 $X_{1\_172} + X_{1\_173} + X_{1\_174} + X_{1\_175} + X_{1\_176} + X_{1\_177} + X_{1\_178} +$   
 $X_{1\_179} +$   
 $X_{1\_180} + X_{1\_181} + X_{1\_182} + X_{1\_183} + X_{1\_184} + X_{1\_185} + X_{1\_186} +$   
 $X_{1\_187} +$   
 $X_{1\_188} + X_{1\_189} + X_{1\_190} + X_{1\_191} + X_{1\_192} + X_{1\_193} + X_{1\_194} +$   
 $X_{1\_195} +$   
 $X_{1\_196} + X_{1\_197} + X_{1\_198} + X_{1\_199} + X_{1\_200} + X_{1\_201} + X_{1\_202} +$   
 $X_{1\_203} +$   
 $X_{1\_204} + X_{1\_205} + X_{1\_206} + X_{1\_207} + X_{1\_208} + X_{1\_209} + X_{1\_210} +$   
 $X_{1\_211} +$   
 $X_{1\_212} + X_{1\_213} + X_{1\_214} + X_{1\_215} + X_{1\_216} + X_{1\_217} + X_{1\_218} +$   
 $X_{1\_219} +$   
 $X_{1\_220} + X_{1\_221} + X_{1\_222} + X_{1\_223} + X_{1\_224} + X_{1\_225} + X_{1\_226} +$   
 $X_{1\_227} +$   
 $X_{1\_228} + X_{1\_229} + X_{1\_230} + X_{1\_231} + X_{1\_232} + X_{1\_233} + X_{1\_234} +$   
 $X_{1\_235} +$   
 $X_{1\_236} + X_{1\_237} + X_{1\_238} + X_{1\_239} + X_{1\_240} \leq 13;$   
 $[\_956] X_{2\_1} + X_{2\_2} + X_{2\_3} + X_{2\_4} + X_{2\_5} + X_{2\_6} + X_{2\_7} + X_{2\_8} +$   
 $X_{2\_9} +$   
 $X_{2\_10} + X_{2\_11} + X_{2\_12} + X_{2\_13} + X_{2\_14} + X_{2\_15} + X_{2\_16} + X_{2\_17}$   
 $+ X_{2\_18} +$   
 $X_{2\_19} + X_{2\_20} + X_{2\_21} + X_{2\_22} + X_{2\_23} + X_{2\_24} + X_{2\_25} + X_{2\_26}$   
 $+ X_{2\_27} +$   
 $X_{2\_28} + X_{2\_29} + X_{2\_30} + X_{2\_31} + X_{2\_32} + X_{2\_33} + X_{2\_34} + X_{2\_35}$   
 $+ X_{2\_36} +$   
 $X_{2\_37} + X_{2\_38} + X_{2\_39} + X_{2\_40} + X_{2\_41} + X_{2\_42} + X_{2\_43} + X_{2\_44}$   
 $+ X_{2\_45} +$   
 $X_{2\_46} + X_{2\_47} + X_{2\_48} + X_{2\_49} + X_{2\_50} + X_{2\_51} + X_{2\_52} + X_{2\_53}$   
 $+ X_{2\_54} +$   
 $X_{2\_55} + X_{2\_56} + X_{2\_57} + X_{2\_58} + X_{2\_59} + X_{2\_60} + X_{2\_61} + X_{2\_62}$   
 $+ X_{2\_63} +$

$X_{2\_64} + X_{2\_65} + X_{2\_66} + X_{2\_67} + X_{2\_68} + X_{2\_69} + X_{2\_70} + X_{2\_71}$   
 $+ X_{2\_72} +$   
 $X_{2\_73} + X_{2\_74} + X_{2\_75} + X_{2\_76} + X_{2\_77} + X_{2\_78} + X_{2\_79} + X_{2\_80}$   
 $+ X_{2\_81} +$   
 $X_{2\_82} + X_{2\_83} + X_{2\_84} + X_{2\_85} + X_{2\_86} + X_{2\_87} + X_{2\_88} + X_{2\_89}$   
 $+ X_{2\_90} +$   
 $X_{2\_91} + X_{2\_92} + X_{2\_93} + X_{2\_94} + X_{2\_95} + X_{2\_96} + X_{2\_97} + X_{2\_98}$   
 $+ X_{2\_99} +$   
 $X_{2\_100} + X_{2\_101} + X_{2\_102} + X_{2\_103} + X_{2\_104} + X_{2\_105} + X_{2\_106} +$   
 $X_{2\_107} +$   
 $X_{2\_108} + X_{2\_109} + X_{2\_110} + X_{2\_111} + X_{2\_112} + X_{2\_113} + X_{2\_114} +$   
 $X_{2\_115} +$   
 $X_{2\_116} + X_{2\_117} + X_{2\_118} + X_{2\_119} + X_{2\_120} + X_{2\_121} + X_{2\_122} +$   
 $X_{2\_123} +$   
 $X_{2\_124} + X_{2\_125} + X_{2\_126} + X_{2\_127} + X_{2\_128} + X_{2\_129} + X_{2\_130} +$   
 $X_{2\_131} +$   
 $X_{2\_132} + X_{2\_133} + X_{2\_134} + X_{2\_135} + X_{2\_136} + X_{2\_137} + X_{2\_138} +$   
 $X_{2\_139} +$   
 $X_{2\_140} + X_{2\_141} + X_{2\_142} + X_{2\_143} + X_{2\_144} + X_{2\_145} + X_{2\_146} +$   
 $X_{2\_147} +$   
 $X_{2\_148} + X_{2\_149} + X_{2\_150} + X_{2\_151} + X_{2\_152} + X_{2\_153} + X_{2\_154} +$   
 $X_{2\_155} +$   
 $X_{2\_156} + X_{2\_157} + X_{2\_158} + X_{2\_159} + X_{2\_160} + X_{2\_161} + X_{2\_162} +$   
 $X_{2\_163} +$   
 $X_{2\_164} + X_{2\_165} + X_{2\_166} + X_{2\_167} + X_{2\_168} + X_{2\_169} + X_{2\_170} +$   
 $X_{2\_171} +$   
 $X_{2\_172} + X_{2\_173} + X_{2\_174} + X_{2\_175} + X_{2\_176} + X_{2\_177} + X_{2\_178} +$   
 $X_{2\_179} +$   
 $X_{2\_180} + X_{2\_181} + X_{2\_182} + X_{2\_183} + X_{2\_184} + X_{2\_185} + X_{2\_186} +$   
 $X_{2\_187} +$   
 $X_{2\_188} + X_{2\_189} + X_{2\_190} + X_{2\_191} + X_{2\_192} + X_{2\_193} + X_{2\_194} +$   
 $X_{2\_195} +$   
 $X_{2\_196} + X_{2\_197} + X_{2\_198} + X_{2\_199} + X_{2\_200} + X_{2\_201} + X_{2\_202} +$   
 $X_{2\_203} +$   
 $X_{2\_204} + X_{2\_205} + X_{2\_206} + X_{2\_207} + X_{2\_208} + X_{2\_209} + X_{2\_210} +$   
 $X_{2\_211} +$   
 $X_{2\_212} + X_{2\_213} + X_{2\_214} + X_{2\_215} + X_{2\_216} + X_{2\_217} + X_{2\_218} +$   
 $X_{2\_219} +$   
 $X_{2\_220} + X_{2\_221} + X_{2\_222} + X_{2\_223} + X_{2\_224} + X_{2\_225} + X_{2\_226} +$   
 $X_{2\_227} +$   
 $X_{2\_228} + X_{2\_229} + X_{2\_230} + X_{2\_231} + X_{2\_232} + X_{2\_233} + X_{2\_234} +$   
 $X_{2\_235} +$   
 $X_{2\_236} + X_{2\_237} + X_{2\_238} + X_{2\_239} + X_{2\_240} \leq 13;$   
 $[_{957}] X_{3\_1} + X_{3\_2} + X_{3\_3} + X_{3\_4} + X_{3\_5} + X_{3\_6} + X_{3\_7} + X_{3\_8} +$   
 $X_{3\_9} +$   
 $X_{3\_10} + X_{3\_11} + X_{3\_12} + X_{3\_13} + X_{3\_14} + X_{3\_15} + X_{3\_16} + X_{3\_17}$   
 $+ X_{3\_18} +$   
 $X_{3\_19} + X_{3\_20} + X_{3\_21} + X_{3\_22} + X_{3\_23} + X_{3\_24} + X_{3\_25} + X_{3\_26}$   
 $+ X_{3\_27} +$   
 $X_{3\_28} + X_{3\_29} + X_{3\_30} + X_{3\_31} + X_{3\_32} + X_{3\_33} + X_{3\_34} + X_{3\_35}$   
 $+ X_{3\_36} +$   
 $X_{3\_37} + X_{3\_38} + X_{3\_39} + X_{3\_40} + X_{3\_41} + X_{3\_42} + X_{3\_43} + X_{3\_44}$   
 $+ X_{3\_45} +$   
 $X_{3\_46} + X_{3\_47} + X_{3\_48} + X_{3\_49} + X_{3\_50} + X_{3\_51} + X_{3\_52} + X_{3\_53}$   
 $+ X_{3\_54} +$   
 $X_{3\_55} + X_{3\_56} + X_{3\_57} + X_{3\_58} + X_{3\_59} + X_{3\_60} + X_{3\_61} + X_{3\_62}$   
 $+ X_{3\_63} +$

$X_{3\_64} + X_{3\_65} + X_{3\_66} + X_{3\_67} + X_{3\_68} + X_{3\_69} + X_{3\_70} + X_{3\_71}$   
 $+ X_{3\_72} +$   
 $X_{3\_73} + X_{3\_74} + X_{3\_75} + X_{3\_76} + X_{3\_77} + X_{3\_78} + X_{3\_79} + X_{3\_80}$   
 $+ X_{3\_81} +$   
 $X_{3\_82} + X_{3\_83} + X_{3\_84} + X_{3\_85} + X_{3\_86} + X_{3\_87} + X_{3\_88} + X_{3\_89}$   
 $+ X_{3\_90} +$   
 $X_{3\_91} + X_{3\_92} + X_{3\_93} + X_{3\_94} + X_{3\_95} + X_{3\_96} + X_{3\_97} + X_{3\_98}$   
 $+ X_{3\_99} +$   
 $X_{3\_100} + X_{3\_101} + X_{3\_102} + X_{3\_103} + X_{3\_104} + X_{3\_105} + X_{3\_106} +$   
 $X_{3\_107} +$   
 $X_{3\_108} + X_{3\_109} + X_{3\_110} + X_{3\_111} + X_{3\_112} + X_{3\_113} + X_{3\_114} +$   
 $X_{3\_115} +$   
 $X_{3\_116} + X_{3\_117} + X_{3\_118} + X_{3\_119} + X_{3\_120} + X_{3\_121} + X_{3\_122} +$   
 $X_{3\_123} +$   
 $X_{3\_124} + X_{3\_125} + X_{3\_126} + X_{3\_127} + X_{3\_128} + X_{3\_129} + X_{3\_130} +$   
 $X_{3\_131} +$   
 $X_{3\_132} + X_{3\_133} + X_{3\_134} + X_{3\_135} + X_{3\_136} + X_{3\_137} + X_{3\_138} +$   
 $X_{3\_139} +$   
 $X_{3\_140} + X_{3\_141} + X_{3\_142} + X_{3\_143} + X_{3\_144} + X_{3\_145} + X_{3\_146} +$   
 $X_{3\_147} +$   
 $X_{3\_148} + X_{3\_149} + X_{3\_150} + X_{3\_151} + X_{3\_152} + X_{3\_153} + X_{3\_154} +$   
 $X_{3\_155} +$   
 $X_{3\_156} + X_{3\_157} + X_{3\_158} + X_{3\_159} + X_{3\_160} + X_{3\_161} + X_{3\_162} +$   
 $X_{3\_163} +$   
 $X_{3\_164} + X_{3\_165} + X_{3\_166} + X_{3\_167} + X_{3\_168} + X_{3\_169} + X_{3\_170} +$   
 $X_{3\_171} +$   
 $X_{3\_172} + X_{3\_173} + X_{3\_174} + X_{3\_175} + X_{3\_176} + X_{3\_177} + X_{3\_178} +$   
 $X_{3\_179} +$   
 $X_{3\_180} + X_{3\_181} + X_{3\_182} + X_{3\_183} + X_{3\_184} + X_{3\_185} + X_{3\_186} +$   
 $X_{3\_187} +$   
 $X_{3\_188} + X_{3\_189} + X_{3\_190} + X_{3\_191} + X_{3\_192} + X_{3\_193} + X_{3\_194} +$   
 $X_{3\_195} +$   
 $X_{3\_196} + X_{3\_197} + X_{3\_198} + X_{3\_199} + X_{3\_200} + X_{3\_201} + X_{3\_202} +$   
 $X_{3\_203} +$   
 $X_{3\_204} + X_{3\_205} + X_{3\_206} + X_{3\_207} + X_{3\_208} + X_{3\_209} + X_{3\_210} +$   
 $X_{3\_211} +$   
 $X_{3\_212} + X_{3\_213} + X_{3\_214} + X_{3\_215} + X_{3\_216} + X_{3\_217} + X_{3\_218} +$   
 $X_{3\_219} +$   
 $X_{3\_220} + X_{3\_221} + X_{3\_222} + X_{3\_223} + X_{3\_224} + X_{3\_225} + X_{3\_226} +$   
 $X_{3\_227} +$   
 $X_{3\_228} + X_{3\_229} + X_{3\_230} + X_{3\_231} + X_{3\_232} + X_{3\_233} + X_{3\_234} +$   
 $X_{3\_235} +$   
 $X_{3\_236} + X_{3\_237} + X_{3\_238} + X_{3\_239} + X_{3\_240} \leq 13;$   
 $[_{958}] X_{4\_1} + X_{4\_2} + X_{4\_3} + X_{4\_4} + X_{4\_5} + X_{4\_6} + X_{4\_7} + X_{4\_8} +$   
 $X_{4\_9} +$   
 $X_{4\_10} + X_{4\_11} + X_{4\_12} + X_{4\_13} + X_{4\_14} + X_{4\_15} + X_{4\_16} + X_{4\_17}$   
 $+ X_{4\_18} +$   
 $X_{4\_19} + X_{4\_20} + X_{4\_21} + X_{4\_22} + X_{4\_23} + X_{4\_24} + X_{4\_25} + X_{4\_26}$   
 $+ X_{4\_27} +$   
 $X_{4\_28} + X_{4\_29} + X_{4\_30} + X_{4\_31} + X_{4\_32} + X_{4\_33} + X_{4\_34} + X_{4\_35}$   
 $+ X_{4\_36} +$   
 $X_{4\_37} + X_{4\_38} + X_{4\_39} + X_{4\_40} + X_{4\_41} + X_{4\_42} + X_{4\_43} + X_{4\_44}$   
 $+ X_{4\_45} +$   
 $X_{4\_46} + X_{4\_47} + X_{4\_48} + X_{4\_49} + X_{4\_50} + X_{4\_51} + X_{4\_52} + X_{4\_53}$   
 $+ X_{4\_54} +$   
 $X_{4\_55} + X_{4\_56} + X_{4\_57} + X_{4\_58} + X_{4\_59} + X_{4\_60} + X_{4\_61} + X_{4\_62}$   
 $+ X_{4\_63} +$

$X_{4\_64} + X_{4\_65} + X_{4\_66} + X_{4\_67} + X_{4\_68} + X_{4\_69} + X_{4\_70} + X_{4\_71}$   
 $+ X_{4\_72} +$   
 $X_{4\_73} + X_{4\_74} + X_{4\_75} + X_{4\_76} + X_{4\_77} + X_{4\_78} + X_{4\_79} + X_{4\_80}$   
 $+ X_{4\_81} +$   
 $X_{4\_82} + X_{4\_83} + X_{4\_84} + X_{4\_85} + X_{4\_86} + X_{4\_87} + X_{4\_88} + X_{4\_89}$   
 $+ X_{4\_90} +$   
 $X_{4\_91} + X_{4\_92} + X_{4\_93} + X_{4\_94} + X_{4\_95} + X_{4\_96} + X_{4\_97} + X_{4\_98}$   
 $+ X_{4\_99} +$   
 $X_{4\_100} + X_{4\_101} + X_{4\_102} + X_{4\_103} + X_{4\_104} + X_{4\_105} + X_{4\_106} +$   
 $X_{4\_107} +$   
 $X_{4\_108} + X_{4\_109} + X_{4\_110} + X_{4\_111} + X_{4\_112} + X_{4\_113} + X_{4\_114} +$   
 $X_{4\_115} +$   
 $X_{4\_116} + X_{4\_117} + X_{4\_118} + X_{4\_119} + X_{4\_120} + X_{4\_121} + X_{4\_122} +$   
 $X_{4\_123} +$   
 $X_{4\_124} + X_{4\_125} + X_{4\_126} + X_{4\_127} + X_{4\_128} + X_{4\_129} + X_{4\_130} +$   
 $X_{4\_131} +$   
 $X_{4\_132} + X_{4\_133} + X_{4\_134} + X_{4\_135} + X_{4\_136} + X_{4\_137} + X_{4\_138} +$   
 $X_{4\_139} +$   
 $X_{4\_140} + X_{4\_141} + X_{4\_142} + X_{4\_143} + X_{4\_144} + X_{4\_145} + X_{4\_146} +$   
 $X_{4\_147} +$   
 $X_{4\_148} + X_{4\_149} + X_{4\_150} + X_{4\_151} + X_{4\_152} + X_{4\_153} + X_{4\_154} +$   
 $X_{4\_155} +$   
 $X_{4\_156} + X_{4\_157} + X_{4\_158} + X_{4\_159} + X_{4\_160} + X_{4\_161} + X_{4\_162} +$   
 $X_{4\_163} +$   
 $X_{4\_164} + X_{4\_165} + X_{4\_166} + X_{4\_167} + X_{4\_168} + X_{4\_169} + X_{4\_170} +$   
 $X_{4\_171} +$   
 $X_{4\_172} + X_{4\_173} + X_{4\_174} + X_{4\_175} + X_{4\_176} + X_{4\_177} + X_{4\_178} +$   
 $X_{4\_179} +$   
 $X_{4\_180} + X_{4\_181} + X_{4\_182} + X_{4\_183} + X_{4\_184} + X_{4\_185} + X_{4\_186} +$   
 $X_{4\_187} +$   
 $X_{4\_188} + X_{4\_189} + X_{4\_190} + X_{4\_191} + X_{4\_192} + X_{4\_193} + X_{4\_194} +$   
 $X_{4\_195} +$   
 $X_{4\_196} + X_{4\_197} + X_{4\_198} + X_{4\_199} + X_{4\_200} + X_{4\_201} + X_{4\_202} +$   
 $X_{4\_203} +$   
 $X_{4\_204} + X_{4\_205} + X_{4\_206} + X_{4\_207} + X_{4\_208} + X_{4\_209} + X_{4\_210} +$   
 $X_{4\_211} +$   
 $X_{4\_212} + X_{4\_213} + X_{4\_214} + X_{4\_215} + X_{4\_216} + X_{4\_217} + X_{4\_218} +$   
 $X_{4\_219} +$   
 $X_{4\_220} + X_{4\_221} + X_{4\_222} + X_{4\_223} + X_{4\_224} + X_{4\_225} + X_{4\_226} +$   
 $X_{4\_227} +$   
 $X_{4\_228} + X_{4\_229} + X_{4\_230} + X_{4\_231} + X_{4\_232} + X_{4\_233} + X_{4\_234} +$   
 $X_{4\_235} +$   
 $X_{4\_236} + X_{4\_237} + X_{4\_238} + X_{4\_239} + X_{4\_240} \leq 13;$   
 $[_{959}] X_{5\_1} + X_{5\_2} + X_{5\_3} + X_{5\_4} + X_{5\_5} + X_{5\_6} + X_{5\_7} + X_{5\_8} +$   
 $X_{5\_9} +$   
 $X_{5\_10} + X_{5\_11} + X_{5\_12} + X_{5\_13} + X_{5\_14} + X_{5\_15} + X_{5\_16} + X_{5\_17}$   
 $+ X_{5\_18} +$   
 $X_{5\_19} + X_{5\_20} + X_{5\_21} + X_{5\_22} + X_{5\_23} + X_{5\_24} + X_{5\_25} + X_{5\_26}$   
 $+ X_{5\_27} +$   
 $X_{5\_28} + X_{5\_29} + X_{5\_30} + X_{5\_31} + X_{5\_32} + X_{5\_33} + X_{5\_34} + X_{5\_35}$   
 $+ X_{5\_36} +$   
 $X_{5\_37} + X_{5\_38} + X_{5\_39} + X_{5\_40} + X_{5\_41} + X_{5\_42} + X_{5\_43} + X_{5\_44}$   
 $+ X_{5\_45} +$   
 $X_{5\_46} + X_{5\_47} + X_{5\_48} + X_{5\_49} + X_{5\_50} + X_{5\_51} + X_{5\_52} + X_{5\_53}$   
 $+ X_{5\_54} +$   
 $X_{5\_55} + X_{5\_56} + X_{5\_57} + X_{5\_58} + X_{5\_59} + X_{5\_60} + X_{5\_61} + X_{5\_62}$   
 $+ X_{5\_63} +$

$X_{5\_64} + X_{5\_65} + X_{5\_66} + X_{5\_67} + X_{5\_68} + X_{5\_69} + X_{5\_70} + X_{5\_71}$   
 $+ X_{5\_72} +$   
 $X_{5\_73} + X_{5\_74} + X_{5\_75} + X_{5\_76} + X_{5\_77} + X_{5\_78} + X_{5\_79} + X_{5\_80}$   
 $+ X_{5\_81} +$   
 $X_{5\_82} + X_{5\_83} + X_{5\_84} + X_{5\_85} + X_{5\_86} + X_{5\_87} + X_{5\_88} + X_{5\_89}$   
 $+ X_{5\_90} +$   
 $X_{5\_91} + X_{5\_92} + X_{5\_93} + X_{5\_94} + X_{5\_95} + X_{5\_96} + X_{5\_97} + X_{5\_98}$   
 $+ X_{5\_99} +$   
 $X_{5\_100} + X_{5\_101} + X_{5\_102} + X_{5\_103} + X_{5\_104} + X_{5\_105} + X_{5\_106} +$   
 $X_{5\_107} +$   
 $X_{5\_108} + X_{5\_109} + X_{5\_110} + X_{5\_111} + X_{5\_112} + X_{5\_113} + X_{5\_114} +$   
 $X_{5\_115} +$   
 $X_{5\_116} + X_{5\_117} + X_{5\_118} + X_{5\_119} + X_{5\_120} + X_{5\_121} + X_{5\_122} +$   
 $X_{5\_123} +$   
 $X_{5\_124} + X_{5\_125} + X_{5\_126} + X_{5\_127} + X_{5\_128} + X_{5\_129} + X_{5\_130} +$   
 $X_{5\_131} +$   
 $X_{5\_132} + X_{5\_133} + X_{5\_134} + X_{5\_135} + X_{5\_136} + X_{5\_137} + X_{5\_138} +$   
 $X_{5\_139} +$   
 $X_{5\_140} + X_{5\_141} + X_{5\_142} + X_{5\_143} + X_{5\_144} + X_{5\_145} + X_{5\_146} +$   
 $X_{5\_147} +$   
 $X_{5\_148} + X_{5\_149} + X_{5\_150} + X_{5\_151} + X_{5\_152} + X_{5\_153} + X_{5\_154} +$   
 $X_{5\_155} +$   
 $X_{5\_156} + X_{5\_157} + X_{5\_158} + X_{5\_159} + X_{5\_160} + X_{5\_161} + X_{5\_162} +$   
 $X_{5\_163} +$   
 $X_{5\_164} + X_{5\_165} + X_{5\_166} + X_{5\_167} + X_{5\_168} + X_{5\_169} + X_{5\_170} +$   
 $X_{5\_171} +$   
 $X_{5\_172} + X_{5\_173} + X_{5\_174} + X_{5\_175} + X_{5\_176} + X_{5\_177} + X_{5\_178} +$   
 $X_{5\_179} +$   
 $X_{5\_180} + X_{5\_181} + X_{5\_182} + X_{5\_183} + X_{5\_184} + X_{5\_185} + X_{5\_186} +$   
 $X_{5\_187} +$   
 $X_{5\_188} + X_{5\_189} + X_{5\_190} + X_{5\_191} + X_{5\_192} + X_{5\_193} + X_{5\_194} +$   
 $X_{5\_195} +$   
 $X_{5\_196} + X_{5\_197} + X_{5\_198} + X_{5\_199} + X_{5\_200} + X_{5\_201} + X_{5\_202} +$   
 $X_{5\_203} +$   
 $X_{5\_204} + X_{5\_205} + X_{5\_206} + X_{5\_207} + X_{5\_208} + X_{5\_209} + X_{5\_210} +$   
 $X_{5\_211} +$   
 $X_{5\_212} + X_{5\_213} + X_{5\_214} + X_{5\_215} + X_{5\_216} + X_{5\_217} + X_{5\_218} +$   
 $X_{5\_219} +$   
 $X_{5\_220} + X_{5\_221} + X_{5\_222} + X_{5\_223} + X_{5\_224} + X_{5\_225} + X_{5\_226} +$   
 $X_{5\_227} +$   
 $X_{5\_228} + X_{5\_229} + X_{5\_230} + X_{5\_231} + X_{5\_232} + X_{5\_233} + X_{5\_234} +$   
 $X_{5\_235} +$   
 $X_{5\_236} + X_{5\_237} + X_{5\_238} + X_{5\_239} + X_{5\_240} \leq 13;$   
 $[\_960] X_{6\_1} + X_{6\_2} + X_{6\_3} + X_{6\_4} + X_{6\_5} + X_{6\_6} + X_{6\_7} + X_{6\_8} +$   
 $X_{6\_9} +$   
 $X_{6\_10} + X_{6\_11} + X_{6\_12} + X_{6\_13} + X_{6\_14} + X_{6\_15} + X_{6\_16} + X_{6\_17}$   
 $+ X_{6\_18} +$   
 $X_{6\_19} + X_{6\_20} + X_{6\_21} + X_{6\_22} + X_{6\_23} + X_{6\_24} + X_{6\_25} + X_{6\_26}$   
 $+ X_{6\_27} +$   
 $X_{6\_28} + X_{6\_29} + X_{6\_30} + X_{6\_31} + X_{6\_32} + X_{6\_33} + X_{6\_34} + X_{6\_35}$   
 $+ X_{6\_36} +$   
 $X_{6\_37} + X_{6\_38} + X_{6\_39} + X_{6\_40} + X_{6\_41} + X_{6\_42} + X_{6\_43} + X_{6\_44}$   
 $+ X_{6\_45} +$   
 $X_{6\_46} + X_{6\_47} + X_{6\_48} + X_{6\_49} + X_{6\_50} + X_{6\_51} + X_{6\_52} + X_{6\_53}$   
 $+ X_{6\_54} +$   
 $X_{6\_55} + X_{6\_56} + X_{6\_57} + X_{6\_58} + X_{6\_59} + X_{6\_60} + X_{6\_61} + X_{6\_62}$   
 $+ X_{6\_63} +$

$X_{6\_64} + X_{6\_65} + X_{6\_66} + X_{6\_67} + X_{6\_68} + X_{6\_69} + X_{6\_70} + X_{6\_71}$   
 $+ X_{6\_72} +$   
 $X_{6\_73} + X_{6\_74} + X_{6\_75} + X_{6\_76} + X_{6\_77} + X_{6\_78} + X_{6\_79} + X_{6\_80}$   
 $+ X_{6\_81} +$   
 $X_{6\_82} + X_{6\_83} + X_{6\_84} + X_{6\_85} + X_{6\_86} + X_{6\_87} + X_{6\_88} + X_{6\_89}$   
 $+ X_{6\_90} +$   
 $X_{6\_91} + X_{6\_92} + X_{6\_93} + X_{6\_94} + X_{6\_95} + X_{6\_96} + X_{6\_97} + X_{6\_98}$   
 $+ X_{6\_99} +$   
 $X_{6\_100} + X_{6\_101} + X_{6\_102} + X_{6\_103} + X_{6\_104} + X_{6\_105} + X_{6\_106} +$   
 $X_{6\_107} +$   
 $X_{6\_108} + X_{6\_109} + X_{6\_110} + X_{6\_111} + X_{6\_112} + X_{6\_113} + X_{6\_114} +$   
 $X_{6\_115} +$   
 $X_{6\_116} + X_{6\_117} + X_{6\_118} + X_{6\_119} + X_{6\_120} + X_{6\_121} + X_{6\_122} +$   
 $X_{6\_123} +$   
 $X_{6\_124} + X_{6\_125} + X_{6\_126} + X_{6\_127} + X_{6\_128} + X_{6\_129} + X_{6\_130} +$   
 $X_{6\_131} +$   
 $X_{6\_132} + X_{6\_133} + X_{6\_134} + X_{6\_135} + X_{6\_136} + X_{6\_137} + X_{6\_138} +$   
 $X_{6\_139} +$   
 $X_{6\_140} + X_{6\_141} + X_{6\_142} + X_{6\_143} + X_{6\_144} + X_{6\_145} + X_{6\_146} +$   
 $X_{6\_147} +$   
 $X_{6\_148} + X_{6\_149} + X_{6\_150} + X_{6\_151} + X_{6\_152} + X_{6\_153} + X_{6\_154} +$   
 $X_{6\_155} +$   
 $X_{6\_156} + X_{6\_157} + X_{6\_158} + X_{6\_159} + X_{6\_160} + X_{6\_161} + X_{6\_162} +$   
 $X_{6\_163} +$   
 $X_{6\_164} + X_{6\_165} + X_{6\_166} + X_{6\_167} + X_{6\_168} + X_{6\_169} + X_{6\_170} +$   
 $X_{6\_171} +$   
 $X_{6\_172} + X_{6\_173} + X_{6\_174} + X_{6\_175} + X_{6\_176} + X_{6\_177} + X_{6\_178} +$   
 $X_{6\_179} +$   
 $X_{6\_180} + X_{6\_181} + X_{6\_182} + X_{6\_183} + X_{6\_184} + X_{6\_185} + X_{6\_186} +$   
 $X_{6\_187} +$   
 $X_{6\_188} + X_{6\_189} + X_{6\_190} + X_{6\_191} + X_{6\_192} + X_{6\_193} + X_{6\_194} +$   
 $X_{6\_195} +$   
 $X_{6\_196} + X_{6\_197} + X_{6\_198} + X_{6\_199} + X_{6\_200} + X_{6\_201} + X_{6\_202} +$   
 $X_{6\_203} +$   
 $X_{6\_204} + X_{6\_205} + X_{6\_206} + X_{6\_207} + X_{6\_208} + X_{6\_209} + X_{6\_210} +$   
 $X_{6\_211} +$   
 $X_{6\_212} + X_{6\_213} + X_{6\_214} + X_{6\_215} + X_{6\_216} + X_{6\_217} + X_{6\_218} +$   
 $X_{6\_219} +$   
 $X_{6\_220} + X_{6\_221} + X_{6\_222} + X_{6\_223} + X_{6\_224} + X_{6\_225} + X_{6\_226} +$   
 $X_{6\_227} +$   
 $X_{6\_228} + X_{6\_229} + X_{6\_230} + X_{6\_231} + X_{6\_232} + X_{6\_233} + X_{6\_234} +$   
 $X_{6\_235} +$   
 $X_{6\_236} + X_{6\_237} + X_{6\_238} + X_{6\_239} + X_{6\_240} \leq 13;$   
 $[\_961] X_{7\_1} + X_{7\_2} + X_{7\_3} + X_{7\_4} + X_{7\_5} + X_{7\_6} + X_{7\_7} + X_{7\_8} +$   
 $X_{7\_9} +$   
 $X_{7\_10} + X_{7\_11} + X_{7\_12} + X_{7\_13} + X_{7\_14} + X_{7\_15} + X_{7\_16} + X_{7\_17}$   
 $+ X_{7\_18} +$   
 $X_{7\_19} + X_{7\_20} + X_{7\_21} + X_{7\_22} + X_{7\_23} + X_{7\_24} + X_{7\_25} + X_{7\_26}$   
 $+ X_{7\_27} +$   
 $X_{7\_28} + X_{7\_29} + X_{7\_30} + X_{7\_31} + X_{7\_32} + X_{7\_33} + X_{7\_34} + X_{7\_35}$   
 $+ X_{7\_36} +$   
 $X_{7\_37} + X_{7\_38} + X_{7\_39} + X_{7\_40} + X_{7\_41} + X_{7\_42} + X_{7\_43} + X_{7\_44}$   
 $+ X_{7\_45} +$   
 $X_{7\_46} + X_{7\_47} + X_{7\_48} + X_{7\_49} + X_{7\_50} + X_{7\_51} + X_{7\_52} + X_{7\_53}$   
 $+ X_{7\_54} +$   
 $X_{7\_55} + X_{7\_56} + X_{7\_57} + X_{7\_58} + X_{7\_59} + X_{7\_60} + X_{7\_61} + X_{7\_62}$   
 $+ X_{7\_63} +$

$X_{7\_64} + X_{7\_65} + X_{7\_66} + X_{7\_67} + X_{7\_68} + X_{7\_69} + X_{7\_70} + X_{7\_71}$   
 $+ X_{7\_72} +$   
 $X_{7\_73} + X_{7\_74} + X_{7\_75} + X_{7\_76} + X_{7\_77} + X_{7\_78} + X_{7\_79} + X_{7\_80}$   
 $+ X_{7\_81} +$   
 $X_{7\_82} + X_{7\_83} + X_{7\_84} + X_{7\_85} + X_{7\_86} + X_{7\_87} + X_{7\_88} + X_{7\_89}$   
 $+ X_{7\_90} +$   
 $X_{7\_91} + X_{7\_92} + X_{7\_93} + X_{7\_94} + X_{7\_95} + X_{7\_96} + X_{7\_97} + X_{7\_98}$   
 $+ X_{7\_99} +$   
 $X_{7\_100} + X_{7\_101} + X_{7\_102} + X_{7\_103} + X_{7\_104} + X_{7\_105} + X_{7\_106} +$   
 $X_{7\_107} +$   
 $X_{7\_108} + X_{7\_109} + X_{7\_110} + X_{7\_111} + X_{7\_112} + X_{7\_113} + X_{7\_114} +$   
 $X_{7\_115} +$   
 $X_{7\_116} + X_{7\_117} + X_{7\_118} + X_{7\_119} + X_{7\_120} + X_{7\_121} + X_{7\_122} +$   
 $X_{7\_123} +$   
 $X_{7\_124} + X_{7\_125} + X_{7\_126} + X_{7\_127} + X_{7\_128} + X_{7\_129} + X_{7\_130} +$   
 $X_{7\_131} +$   
 $X_{7\_132} + X_{7\_133} + X_{7\_134} + X_{7\_135} + X_{7\_136} + X_{7\_137} + X_{7\_138} +$   
 $X_{7\_139} +$   
 $X_{7\_140} + X_{7\_141} + X_{7\_142} + X_{7\_143} + X_{7\_144} + X_{7\_145} + X_{7\_146} +$   
 $X_{7\_147} +$   
 $X_{7\_148} + X_{7\_149} + X_{7\_150} + X_{7\_151} + X_{7\_152} + X_{7\_153} + X_{7\_154} +$   
 $X_{7\_155} +$   
 $X_{7\_156} + X_{7\_157} + X_{7\_158} + X_{7\_159} + X_{7\_160} + X_{7\_161} + X_{7\_162} +$   
 $X_{7\_163} +$   
 $X_{7\_164} + X_{7\_165} + X_{7\_166} + X_{7\_167} + X_{7\_168} + X_{7\_169} + X_{7\_170} +$   
 $X_{7\_171} +$   
 $X_{7\_172} + X_{7\_173} + X_{7\_174} + X_{7\_175} + X_{7\_176} + X_{7\_177} + X_{7\_178} +$   
 $X_{7\_179} +$   
 $X_{7\_180} + X_{7\_181} + X_{7\_182} + X_{7\_183} + X_{7\_184} + X_{7\_185} + X_{7\_186} +$   
 $X_{7\_187} +$   
 $X_{7\_188} + X_{7\_189} + X_{7\_190} + X_{7\_191} + X_{7\_192} + X_{7\_193} + X_{7\_194} +$   
 $X_{7\_195} +$   
 $X_{7\_196} + X_{7\_197} + X_{7\_198} + X_{7\_199} + X_{7\_200} + X_{7\_201} + X_{7\_202} +$   
 $X_{7\_203} +$   
 $X_{7\_204} + X_{7\_205} + X_{7\_206} + X_{7\_207} + X_{7\_208} + X_{7\_209} + X_{7\_210} +$   
 $X_{7\_211} +$   
 $X_{7\_212} + X_{7\_213} + X_{7\_214} + X_{7\_215} + X_{7\_216} + X_{7\_217} + X_{7\_218} +$   
 $X_{7\_219} +$   
 $X_{7\_220} + X_{7\_221} + X_{7\_222} + X_{7\_223} + X_{7\_224} + X_{7\_225} + X_{7\_226} +$   
 $X_{7\_227} +$   
 $X_{7\_228} + X_{7\_229} + X_{7\_230} + X_{7\_231} + X_{7\_232} + X_{7\_233} + X_{7\_234} +$   
 $X_{7\_235} +$   
 $X_{7\_236} + X_{7\_237} + X_{7\_238} + X_{7\_239} + X_{7\_240} \leq 13;$   
 $[_{962}] X_{8\_1} + X_{8\_2} + X_{8\_3} + X_{8\_4} + X_{8\_5} + X_{8\_6} + X_{8\_7} + X_{8\_8} +$   
 $X_{8\_9} +$   
 $X_{8\_10} + X_{8\_11} + X_{8\_12} + X_{8\_13} + X_{8\_14} + X_{8\_15} + X_{8\_16} + X_{8\_17}$   
 $+ X_{8\_18} +$   
 $X_{8\_19} + X_{8\_20} + X_{8\_21} + X_{8\_22} + X_{8\_23} + X_{8\_24} + X_{8\_25} + X_{8\_26}$   
 $+ X_{8\_27} +$   
 $X_{8\_28} + X_{8\_29} + X_{8\_30} + X_{8\_31} + X_{8\_32} + X_{8\_33} + X_{8\_34} + X_{8\_35}$   
 $+ X_{8\_36} +$   
 $X_{8\_37} + X_{8\_38} + X_{8\_39} + X_{8\_40} + X_{8\_41} + X_{8\_42} + X_{8\_43} + X_{8\_44}$   
 $+ X_{8\_45} +$   
 $X_{8\_46} + X_{8\_47} + X_{8\_48} + X_{8\_49} + X_{8\_50} + X_{8\_51} + X_{8\_52} + X_{8\_53}$   
 $+ X_{8\_54} +$   
 $X_{8\_55} + X_{8\_56} + X_{8\_57} + X_{8\_58} + X_{8\_59} + X_{8\_60} + X_{8\_61} + X_{8\_62}$   
 $+ X_{8\_63} +$

$X_{8\_64} + X_{8\_65} + X_{8\_66} + X_{8\_67} + X_{8\_68} + X_{8\_69} + X_{8\_70} + X_{8\_71}$   
 $+ X_{8\_72} +$   
 $X_{8\_73} + X_{8\_74} + X_{8\_75} + X_{8\_76} + X_{8\_77} + X_{8\_78} + X_{8\_79} + X_{8\_80}$   
 $+ X_{8\_81} +$   
 $X_{8\_82} + X_{8\_83} + X_{8\_84} + X_{8\_85} + X_{8\_86} + X_{8\_87} + X_{8\_88} + X_{8\_89}$   
 $+ X_{8\_90} +$   
 $X_{8\_91} + X_{8\_92} + X_{8\_93} + X_{8\_94} + X_{8\_95} + X_{8\_96} + X_{8\_97} + X_{8\_98}$   
 $+ X_{8\_99} +$   
 $X_{8\_100} + X_{8\_101} + X_{8\_102} + X_{8\_103} + X_{8\_104} + X_{8\_105} + X_{8\_106} +$   
 $X_{8\_107} +$   
 $X_{8\_108} + X_{8\_109} + X_{8\_110} + X_{8\_111} + X_{8\_112} + X_{8\_113} + X_{8\_114} +$   
 $X_{8\_115} +$   
 $X_{8\_116} + X_{8\_117} + X_{8\_118} + X_{8\_119} + X_{8\_120} + X_{8\_121} + X_{8\_122} +$   
 $X_{8\_123} +$   
 $X_{8\_124} + X_{8\_125} + X_{8\_126} + X_{8\_127} + X_{8\_128} + X_{8\_129} + X_{8\_130} +$   
 $X_{8\_131} +$   
 $X_{8\_132} + X_{8\_133} + X_{8\_134} + X_{8\_135} + X_{8\_136} + X_{8\_137} + X_{8\_138} +$   
 $X_{8\_139} +$   
 $X_{8\_140} + X_{8\_141} + X_{8\_142} + X_{8\_143} + X_{8\_144} + X_{8\_145} + X_{8\_146} +$   
 $X_{8\_147} +$   
 $X_{8\_148} + X_{8\_149} + X_{8\_150} + X_{8\_151} + X_{8\_152} + X_{8\_153} + X_{8\_154} +$   
 $X_{8\_155} +$   
 $X_{8\_156} + X_{8\_157} + X_{8\_158} + X_{8\_159} + X_{8\_160} + X_{8\_161} + X_{8\_162} +$   
 $X_{8\_163} +$   
 $X_{8\_164} + X_{8\_165} + X_{8\_166} + X_{8\_167} + X_{8\_168} + X_{8\_169} + X_{8\_170} +$   
 $X_{8\_171} +$   
 $X_{8\_172} + X_{8\_173} + X_{8\_174} + X_{8\_175} + X_{8\_176} + X_{8\_177} + X_{8\_178} +$   
 $X_{8\_179} +$   
 $X_{8\_180} + X_{8\_181} + X_{8\_182} + X_{8\_183} + X_{8\_184} + X_{8\_185} + X_{8\_186} +$   
 $X_{8\_187} +$   
 $X_{8\_188} + X_{8\_189} + X_{8\_190} + X_{8\_191} + X_{8\_192} + X_{8\_193} + X_{8\_194} +$   
 $X_{8\_195} +$   
 $X_{8\_196} + X_{8\_197} + X_{8\_198} + X_{8\_199} + X_{8\_200} + X_{8\_201} + X_{8\_202} +$   
 $X_{8\_203} +$   
 $X_{8\_204} + X_{8\_205} + X_{8\_206} + X_{8\_207} + X_{8\_208} + X_{8\_209} + X_{8\_210} +$   
 $X_{8\_211} +$   
 $X_{8\_212} + X_{8\_213} + X_{8\_214} + X_{8\_215} + X_{8\_216} + X_{8\_217} + X_{8\_218} +$   
 $X_{8\_219} +$   
 $X_{8\_220} + X_{8\_221} + X_{8\_222} + X_{8\_223} + X_{8\_224} + X_{8\_225} + X_{8\_226} +$   
 $X_{8\_227} +$   
 $X_{8\_228} + X_{8\_229} + X_{8\_230} + X_{8\_231} + X_{8\_232} + X_{8\_233} + X_{8\_234} +$   
 $X_{8\_235} +$   
 $X_{8\_236} + X_{8\_237} + X_{8\_238} + X_{8\_239} + X_{8\_240} \leq 13;$   
 $[\_963] X_{9\_1} + X_{9\_2} + X_{9\_3} + X_{9\_4} + X_{9\_5} + X_{9\_6} + X_{9\_7} + X_{9\_8} +$   
 $X_{9\_9} +$   
 $X_{9\_10} + X_{9\_11} + X_{9\_12} + X_{9\_13} + X_{9\_14} + X_{9\_15} + X_{9\_16} + X_{9\_17}$   
 $+ X_{9\_18} +$   
 $X_{9\_19} + X_{9\_20} + X_{9\_21} + X_{9\_22} + X_{9\_23} + X_{9\_24} + X_{9\_25} + X_{9\_26}$   
 $+ X_{9\_27} +$   
 $X_{9\_28} + X_{9\_29} + X_{9\_30} + X_{9\_31} + X_{9\_32} + X_{9\_33} + X_{9\_34} + X_{9\_35}$   
 $+ X_{9\_36} +$   
 $X_{9\_37} + X_{9\_38} + X_{9\_39} + X_{9\_40} + X_{9\_41} + X_{9\_42} + X_{9\_43} + X_{9\_44}$   
 $+ X_{9\_45} +$   
 $X_{9\_46} + X_{9\_47} + X_{9\_48} + X_{9\_49} + X_{9\_50} + X_{9\_51} + X_{9\_52} + X_{9\_53}$   
 $+ X_{9\_54} +$   
 $X_{9\_55} + X_{9\_56} + X_{9\_57} + X_{9\_58} + X_{9\_59} + X_{9\_60} + X_{9\_61} + X_{9\_62}$   
 $+ X_{9\_63} +$



$X_{9\_64} + X_{9\_65} + X_{9\_66} + X_{9\_67} + X_{9\_68} + X_{9\_69} + X_{9\_70} + X_{9\_71}$   
 $+ X_{9\_72} +$   
 $X_{9\_73} + X_{9\_74} + X_{9\_75} + X_{9\_76} + X_{9\_77} + X_{9\_78} + X_{9\_79} + X_{9\_80}$   
 $+ X_{9\_81} +$   
 $X_{9\_82} + X_{9\_83} + X_{9\_84} + X_{9\_85} + X_{9\_86} + X_{9\_87} + X_{9\_88} + X_{9\_89}$   
 $+ X_{9\_90} +$   
 $X_{9\_91} + X_{9\_92} + X_{9\_93} + X_{9\_94} + X_{9\_95} + X_{9\_96} + X_{9\_97} + X_{9\_98}$   
 $+ X_{9\_99} +$   
 $X_{9\_100} + X_{9\_101} + X_{9\_102} + X_{9\_103} + X_{9\_104} + X_{9\_105} + X_{9\_106} +$   
 $X_{9\_107} +$   
 $X_{9\_108} + X_{9\_109} + X_{9\_110} + X_{9\_111} + X_{9\_112} + X_{9\_113} + X_{9\_114} +$   
 $X_{9\_115} +$   
 $X_{9\_116} + X_{9\_117} + X_{9\_118} + X_{9\_119} + X_{9\_120} + X_{9\_121} + X_{9\_122} +$   
 $X_{9\_123} +$   
 $X_{9\_124} + X_{9\_125} + X_{9\_126} + X_{9\_127} + X_{9\_128} + X_{9\_129} + X_{9\_130} +$   
 $X_{9\_131} +$   
 $X_{9\_132} + X_{9\_133} + X_{9\_134} + X_{9\_135} + X_{9\_136} + X_{9\_137} + X_{9\_138} +$   
 $X_{9\_139} +$   
 $X_{9\_140} + X_{9\_141} + X_{9\_142} + X_{9\_143} + X_{9\_144} + X_{9\_145} + X_{9\_146} +$   
 $X_{9\_147} +$   
 $X_{9\_148} + X_{9\_149} + X_{9\_150} + X_{9\_151} + X_{9\_152} + X_{9\_153} + X_{9\_154} +$   
 $X_{9\_155} +$   
 $X_{9\_156} + X_{9\_157} + X_{9\_158} + X_{9\_159} + X_{9\_160} + X_{9\_161} + X_{9\_162} +$   
 $X_{9\_163} +$   
 $X_{9\_164} + X_{9\_165} + X_{9\_166} + X_{9\_167} + X_{9\_168} + X_{9\_169} + X_{9\_170} +$   
 $X_{9\_171} +$   
 $X_{9\_172} + X_{9\_173} + X_{9\_174} + X_{9\_175} + X_{9\_176} + X_{9\_177} + X_{9\_178} +$   
 $X_{9\_179} +$   
 $X_{9\_180} + X_{9\_181} + X_{9\_182} + X_{9\_183} + X_{9\_184} + X_{9\_185} + X_{9\_186} +$   
 $X_{9\_187} +$   
 $X_{9\_188} + X_{9\_189} + X_{9\_190} + X_{9\_191} + X_{9\_192} + X_{9\_193} + X_{9\_194} +$   
 $X_{9\_195} +$   
 $X_{9\_196} + X_{9\_197} + X_{9\_198} + X_{9\_199} + X_{9\_200} + X_{9\_201} + X_{9\_202} +$   
 $X_{9\_203} +$   
 $X_{9\_204} + X_{9\_205} + X_{9\_206} + X_{9\_207} + X_{9\_208} + X_{9\_209} + X_{9\_210} +$   
 $X_{9\_211} +$   
 $X_{9\_212} + X_{9\_213} + X_{9\_214} + X_{9\_215} + X_{9\_216} + X_{9\_217} + X_{9\_218} +$   
 $X_{9\_219} +$   
 $X_{9\_220} + X_{9\_221} + X_{9\_222} + X_{9\_223} + X_{9\_224} + X_{9\_225} + X_{9\_226} +$   
 $X_{9\_227} +$   
 $X_{9\_228} + X_{9\_229} + X_{9\_230} + X_{9\_231} + X_{9\_232} + X_{9\_233} + X_{9\_234} +$   
 $X_{9\_235} +$   
 $X_{9\_236} + X_{9\_237} + X_{9\_238} + X_{9\_239} + X_{9\_240} \leq 13;$   
 $[\_964] X_{10\_1} + X_{10\_2} + X_{10\_3} + X_{10\_4} + X_{10\_5} + X_{10\_6} + X_{10\_7} +$   
 $X_{10\_8} +$   
 $X_{10\_9} + X_{10\_10} + X_{10\_11} + X_{10\_12} + X_{10\_13} + X_{10\_14} + X_{10\_15} +$   
 $X_{10\_16} +$   
 $X_{10\_17} + X_{10\_18} + X_{10\_19} + X_{10\_20} + X_{10\_21} + X_{10\_22} + X_{10\_23} +$   
 $X_{10\_24} +$   
 $X_{10\_25} + X_{10\_26} + X_{10\_27} + X_{10\_28} + X_{10\_29} + X_{10\_30} + X_{10\_31} +$   
 $X_{10\_32} +$   
 $X_{10\_33} + X_{10\_34} + X_{10\_35} + X_{10\_36} + X_{10\_37} + X_{10\_38} + X_{10\_39} +$   
 $X_{10\_40} +$   
 $X_{10\_41} + X_{10\_42} + X_{10\_43} + X_{10\_44} + X_{10\_45} + X_{10\_46} + X_{10\_47} +$   
 $X_{10\_48} +$   
 $X_{10\_49} + X_{10\_50} + X_{10\_51} + X_{10\_52} + X_{10\_53} + X_{10\_54} + X_{10\_55} +$   
 $X_{10\_56} +$

$X_{10\_57} + X_{10\_58} + X_{10\_59} + X_{10\_60} + X_{10\_61} + X_{10\_62} + X_{10\_63} +$   
 $X_{10\_64} +$   
 $X_{10\_65} + X_{10\_66} + X_{10\_67} + X_{10\_68} + X_{10\_69} + X_{10\_70} + X_{10\_71} +$   
 $X_{10\_72} +$   
 $X_{10\_73} + X_{10\_74} + X_{10\_75} + X_{10\_76} + X_{10\_77} + X_{10\_78} + X_{10\_79} +$   
 $X_{10\_80} +$   
 $X_{10\_81} + X_{10\_82} + X_{10\_83} + X_{10\_84} + X_{10\_85} + X_{10\_86} + X_{10\_87} +$   
 $X_{10\_88} +$   
 $X_{10\_89} + X_{10\_90} + X_{10\_91} + X_{10\_92} + X_{10\_93} + X_{10\_94} + X_{10\_95} +$   
 $X_{10\_96} +$   
 $X_{10\_97} + X_{10\_98} + X_{10\_99} + X_{10\_100} + X_{10\_101} + X_{10\_102} +$   
 $X_{10\_103} + X_{10\_104}$   
 $+ X_{10\_105} + X_{10\_106} + X_{10\_107} + X_{10\_108} + X_{10\_109} + X_{10\_110} +$   
 $X_{10\_111} +$   
 $X_{10\_112} + X_{10\_113} + X_{10\_114} + X_{10\_115} + X_{10\_116} + X_{10\_117} +$   
 $X_{10\_118} +$   
 $X_{10\_119} + X_{10\_120} + X_{10\_121} + X_{10\_122} + X_{10\_123} + X_{10\_124} +$   
 $X_{10\_125} +$   
 $X_{10\_126} + X_{10\_127} + X_{10\_128} + X_{10\_129} + X_{10\_130} + X_{10\_131} +$   
 $X_{10\_132} +$   
 $X_{10\_133} + X_{10\_134} + X_{10\_135} + X_{10\_136} + X_{10\_137} + X_{10\_138} +$   
 $X_{10\_139} +$   
 $X_{10\_140} + X_{10\_141} + X_{10\_142} + X_{10\_143} + X_{10\_144} + X_{10\_145} +$   
 $X_{10\_146} +$   
 $X_{10\_147} + X_{10\_148} + X_{10\_149} + X_{10\_150} + X_{10\_151} + X_{10\_152} +$   
 $X_{10\_153} +$   
 $X_{10\_154} + X_{10\_155} + X_{10\_156} + X_{10\_157} + X_{10\_158} + X_{10\_159} +$   
 $X_{10\_160} +$   
 $X_{10\_161} + X_{10\_162} + X_{10\_163} + X_{10\_164} + X_{10\_165} + X_{10\_166} +$   
 $X_{10\_167} +$   
 $X_{10\_168} + X_{10\_169} + X_{10\_170} + X_{10\_171} + X_{10\_172} + X_{10\_173} +$   
 $X_{10\_174} +$   
 $X_{10\_175} + X_{10\_176} + X_{10\_177} + X_{10\_178} + X_{10\_179} + X_{10\_180} +$   
 $X_{10\_181} +$   
 $X_{10\_182} + X_{10\_183} + X_{10\_184} + X_{10\_185} + X_{10\_186} + X_{10\_187} +$   
 $X_{10\_188} +$   
 $X_{10\_189} + X_{10\_190} + X_{10\_191} + X_{10\_192} + X_{10\_193} + X_{10\_194} +$   
 $X_{10\_195} +$   
 $X_{10\_196} + X_{10\_197} + X_{10\_198} + X_{10\_199} + X_{10\_200} + X_{10\_201} +$   
 $X_{10\_202} +$   
 $X_{10\_203} + X_{10\_204} + X_{10\_205} + X_{10\_206} + X_{10\_207} + X_{10\_208} +$   
 $X_{10\_209} +$   
 $X_{10\_210} + X_{10\_211} + X_{10\_212} + X_{10\_213} + X_{10\_214} + X_{10\_215} +$   
 $X_{10\_216} +$   
 $X_{10\_217} + X_{10\_218} + X_{10\_219} + X_{10\_220} + X_{10\_221} + X_{10\_222} +$   
 $X_{10\_223} +$   
 $X_{10\_224} + X_{10\_225} + X_{10\_226} + X_{10\_227} + X_{10\_228} + X_{10\_229} +$   
 $X_{10\_230} +$   
 $X_{10\_231} + X_{10\_232} + X_{10\_233} + X_{10\_234} + X_{10\_235} + X_{10\_236} +$   
 $X_{10\_237} +$   
 $X_{10\_238} + X_{10\_239} + X_{10\_240} \leq 13;$   
 $[\_965] X_{11\_1} + X_{11\_2} + X_{11\_3} + X_{11\_4} + X_{11\_5} + X_{11\_6} + X_{11\_7} +$   
 $X_{11\_8} +$   
 $X_{11\_9} + X_{11\_10} + X_{11\_11} + X_{11\_12} + X_{11\_13} + X_{11\_14} + X_{11\_15} +$   
 $X_{11\_16} +$   
 $X_{11\_17} + X_{11\_18} + X_{11\_19} + X_{11\_20} + X_{11\_21} + X_{11\_22} + X_{11\_23} +$   
 $X_{11\_24} +$

X\_11\_25 + X\_11\_26 + X\_11\_27 + X\_11\_28 + X\_11\_29 + X\_11\_30 + X\_11\_31 +  
X\_11\_32 +  
X\_11\_33 + X\_11\_34 + X\_11\_35 + X\_11\_36 + X\_11\_37 + X\_11\_38 + X\_11\_39 +  
X\_11\_40 +  
X\_11\_41 + X\_11\_42 + X\_11\_43 + X\_11\_44 + X\_11\_45 + X\_11\_46 + X\_11\_47 +  
X\_11\_48 +  
X\_11\_49 + X\_11\_50 + X\_11\_51 + X\_11\_52 + X\_11\_53 + X\_11\_54 + X\_11\_55 +  
X\_11\_56 +  
X\_11\_57 + X\_11\_58 + X\_11\_59 + X\_11\_60 + X\_11\_61 + X\_11\_62 + X\_11\_63 +  
X\_11\_64 +  
X\_11\_65 + X\_11\_66 + X\_11\_67 + X\_11\_68 + X\_11\_69 + X\_11\_70 + X\_11\_71 +  
X\_11\_72 +  
X\_11\_73 + X\_11\_74 + X\_11\_75 + X\_11\_76 + X\_11\_77 + X\_11\_78 + X\_11\_79 +  
X\_11\_80 +  
X\_11\_81 + X\_11\_82 + X\_11\_83 + X\_11\_84 + X\_11\_85 + X\_11\_86 + X\_11\_87 +  
X\_11\_88 +  
X\_11\_89 + X\_11\_90 + X\_11\_91 + X\_11\_92 + X\_11\_93 + X\_11\_94 + X\_11\_95 +  
X\_11\_96 +  
X\_11\_97 + X\_11\_98 + X\_11\_99 + X\_11\_100 + X\_11\_101 + X\_11\_102 +  
X\_11\_103 + X\_11\_104  
+ X\_11\_105 + X\_11\_106 + X\_11\_107 + X\_11\_108 + X\_11\_109 + X\_11\_110 +  
X\_11\_111 +  
X\_11\_112 + X\_11\_113 + X\_11\_114 + X\_11\_115 + X\_11\_116 + X\_11\_117 +  
X\_11\_118 +  
X\_11\_119 + X\_11\_120 + X\_11\_121 + X\_11\_122 + X\_11\_123 + X\_11\_124 +  
X\_11\_125 +  
X\_11\_126 + X\_11\_127 + X\_11\_128 + X\_11\_129 + X\_11\_130 + X\_11\_131 +  
X\_11\_132 +  
X\_11\_133 + X\_11\_134 + X\_11\_135 + X\_11\_136 + X\_11\_137 + X\_11\_138 +  
X\_11\_139 +  
X\_11\_140 + X\_11\_141 + X\_11\_142 + X\_11\_143 + X\_11\_144 + X\_11\_145 +  
X\_11\_146 +  
X\_11\_147 + X\_11\_148 + X\_11\_149 + X\_11\_150 + X\_11\_151 + X\_11\_152 +  
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X\_11\_154 + X\_11\_155 + X\_11\_156 + X\_11\_157 + X\_11\_158 + X\_11\_159 +  
X\_11\_160 +  
X\_11\_161 + X\_11\_162 + X\_11\_163 + X\_11\_164 + X\_11\_165 + X\_11\_166 +  
X\_11\_167 +  
X\_11\_168 + X\_11\_169 + X\_11\_170 + X\_11\_171 + X\_11\_172 + X\_11\_173 +  
X\_11\_174 +  
X\_11\_175 + X\_11\_176 + X\_11\_177 + X\_11\_178 + X\_11\_179 + X\_11\_180 +  
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X\_11\_182 + X\_11\_183 + X\_11\_184 + X\_11\_185 + X\_11\_186 + X\_11\_187 +  
X\_11\_188 +  
X\_11\_189 + X\_11\_190 + X\_11\_191 + X\_11\_192 + X\_11\_193 + X\_11\_194 +  
X\_11\_195 +  
X\_11\_196 + X\_11\_197 + X\_11\_198 + X\_11\_199 + X\_11\_200 + X\_11\_201 +  
X\_11\_202 +  
X\_11\_203 + X\_11\_204 + X\_11\_205 + X\_11\_206 + X\_11\_207 + X\_11\_208 +  
X\_11\_209 +  
X\_11\_210 + X\_11\_211 + X\_11\_212 + X\_11\_213 + X\_11\_214 + X\_11\_215 +  
X\_11\_216 +  
X\_11\_217 + X\_11\_218 + X\_11\_219 + X\_11\_220 + X\_11\_221 + X\_11\_222 +  
X\_11\_223 +  
X\_11\_224 + X\_11\_225 + X\_11\_226 + X\_11\_227 + X\_11\_228 + X\_11\_229 +  
X\_11\_230 +

$X_{11\_231} + X_{11\_232} + X_{11\_233} + X_{11\_234} + X_{11\_235} + X_{11\_236} +$   
 $X_{11\_237} +$   
 $X_{11\_238} + X_{11\_239} + X_{11\_240} \leq 13;$   
 $[\_966] X_{12\_1} + X_{12\_2} + X_{12\_3} + X_{12\_4} + X_{12\_5} + X_{12\_6} + X_{12\_7} +$   
 $X_{12\_8} +$   
 $X_{12\_9} + X_{12\_10} + X_{12\_11} + X_{12\_12} + X_{12\_13} + X_{12\_14} + X_{12\_15} +$   
 $X_{12\_16} +$   
 $X_{12\_17} + X_{12\_18} + X_{12\_19} + X_{12\_20} + X_{12\_21} + X_{12\_22} + X_{12\_23} +$   
 $X_{12\_24} +$   
 $X_{12\_25} + X_{12\_26} + X_{12\_27} + X_{12\_28} + X_{12\_29} + X_{12\_30} + X_{12\_31} +$   
 $X_{12\_32} +$   
 $X_{12\_33} + X_{12\_34} + X_{12\_35} + X_{12\_36} + X_{12\_37} + X_{12\_38} + X_{12\_39} +$   
 $X_{12\_40} +$   
 $X_{12\_41} + X_{12\_42} + X_{12\_43} + X_{12\_44} + X_{12\_45} + X_{12\_46} + X_{12\_47} +$   
 $X_{12\_48} +$   
 $X_{12\_49} + X_{12\_50} + X_{12\_51} + X_{12\_52} + X_{12\_53} + X_{12\_54} + X_{12\_55} +$   
 $X_{12\_56} +$   
 $X_{12\_57} + X_{12\_58} + X_{12\_59} + X_{12\_60} + X_{12\_61} + X_{12\_62} + X_{12\_63} +$   
 $X_{12\_64} +$   
 $X_{12\_65} + X_{12\_66} + X_{12\_67} + X_{12\_68} + X_{12\_69} + X_{12\_70} + X_{12\_71} +$   
 $X_{12\_72} +$   
 $X_{12\_73} + X_{12\_74} + X_{12\_75} + X_{12\_76} + X_{12\_77} + X_{12\_78} + X_{12\_79} +$   
 $X_{12\_80} +$   
 $X_{12\_81} + X_{12\_82} + X_{12\_83} + X_{12\_84} + X_{12\_85} + X_{12\_86} + X_{12\_87} +$   
 $X_{12\_88} +$   
 $X_{12\_89} + X_{12\_90} + X_{12\_91} + X_{12\_92} + X_{12\_93} + X_{12\_94} + X_{12\_95} +$   
 $X_{12\_96} +$   
 $X_{12\_97} + X_{12\_98} + X_{12\_99} + X_{12\_100} + X_{12\_101} + X_{12\_102} +$   
 $X_{12\_103} + X_{12\_104}$   
 $+ X_{12\_105} + X_{12\_106} + X_{12\_107} + X_{12\_108} + X_{12\_109} + X_{12\_110} +$   
 $X_{12\_111} +$   
 $X_{12\_112} + X_{12\_113} + X_{12\_114} + X_{12\_115} + X_{12\_116} + X_{12\_117} +$   
 $X_{12\_118} +$   
 $X_{12\_119} + X_{12\_120} + X_{12\_121} + X_{12\_122} + X_{12\_123} + X_{12\_124} +$   
 $X_{12\_125} +$   
 $X_{12\_126} + X_{12\_127} + X_{12\_128} + X_{12\_129} + X_{12\_130} + X_{12\_131} +$   
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 $X_{12\_237} +$   
 $X_{12\_238} + X_{12\_239} + X_{12\_240} \leq 13;$   
 $[_{967}] X_{13\_1} + X_{13\_2} + X_{13\_3} + X_{13\_4} + X_{13\_5} + X_{13\_6} + X_{13\_7} +$   
 $X_{13\_8} +$   
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 $[_968] X_{14\_1} + X_{14\_2} + X_{14\_3} + X_{14\_4} + X_{14\_5} + X_{14\_6} + X_{14\_7} +$   
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 $X_{14\_237} +$   
 $X_{14\_238} + X_{14\_239} + X_{14\_240} \leq 13;$   
 $[\_969] X_{15\_1} + X_{15\_2} + X_{15\_3} + X_{15\_4} + X_{15\_5} + X_{15\_6} + X_{15\_7} +$   
 $X_{15\_8} +$   
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X\_15\_119 + X\_15\_120 + X\_15\_121 + X\_15\_122 + X\_15\_123 + X\_15\_124 +  
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[ \_970 ] X\_16\_1 + X\_16\_2 + X\_16\_3 + X\_16\_4 + X\_16\_5 + X\_16\_6 + X\_16\_7 +  
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 $X_{16\_181} +$   
 $X_{16\_182} + X_{16\_183} + X_{16\_184} + X_{16\_185} + X_{16\_186} + X_{16\_187} +$   
 $X_{16\_188} +$   
 $X_{16\_189} + X_{16\_190} + X_{16\_191} + X_{16\_192} + X_{16\_193} + X_{16\_194} +$   
 $X_{16\_195} +$   
 $X_{16\_196} + X_{16\_197} + X_{16\_198} + X_{16\_199} + X_{16\_200} + X_{16\_201} +$   
 $X_{16\_202} +$   
 $X_{16\_203} + X_{16\_204} + X_{16\_205} + X_{16\_206} + X_{16\_207} + X_{16\_208} +$   
 $X_{16\_209} +$   
 $X_{16\_210} + X_{16\_211} + X_{16\_212} + X_{16\_213} + X_{16\_214} + X_{16\_215} +$   
 $X_{16\_216} +$   
 $X_{16\_217} + X_{16\_218} + X_{16\_219} + X_{16\_220} + X_{16\_221} + X_{16\_222} +$   
 $X_{16\_223} +$   
 $X_{16\_224} + X_{16\_225} + X_{16\_226} + X_{16\_227} + X_{16\_228} + X_{16\_229} +$   
 $X_{16\_230} +$   
 $X_{16\_231} + X_{16\_232} + X_{16\_233} + X_{16\_234} + X_{16\_235} + X_{16\_236} +$   
 $X_{16\_237} +$   
 $X_{16\_238} + X_{16\_239} + X_{16\_240} \leq 13;$   
 $[\_971] X_{17\_1} + X_{17\_2} + X_{17\_3} + X_{17\_4} + X_{17\_5} + X_{17\_6} + X_{17\_7} +$   
 $X_{17\_8} +$   
 $X_{17\_9} + X_{17\_10} + X_{17\_11} + X_{17\_12} + X_{17\_13} + X_{17\_14} + X_{17\_15} +$   
 $X_{17\_16} +$   
 $X_{17\_17} + X_{17\_18} + X_{17\_19} + X_{17\_20} + X_{17\_21} + X_{17\_22} + X_{17\_23} +$   
 $X_{17\_24} +$   
 $X_{17\_25} + X_{17\_26} + X_{17\_27} + X_{17\_28} + X_{17\_29} + X_{17\_30} + X_{17\_31} +$   
 $X_{17\_32} +$   
 $X_{17\_33} + X_{17\_34} + X_{17\_35} + X_{17\_36} + X_{17\_37} + X_{17\_38} + X_{17\_39} +$   
 $X_{17\_40} +$   
 $X_{17\_41} + X_{17\_42} + X_{17\_43} + X_{17\_44} + X_{17\_45} + X_{17\_46} + X_{17\_47} +$   
 $X_{17\_48} +$   
 $X_{17\_49} + X_{17\_50} + X_{17\_51} + X_{17\_52} + X_{17\_53} + X_{17\_54} + X_{17\_55} +$   
 $X_{17\_56} +$

$X_{17\_57} + X_{17\_58} + X_{17\_59} + X_{17\_60} + X_{17\_61} + X_{17\_62} + X_{17\_63} +$   
 $X_{17\_64} +$   
 $X_{17\_65} + X_{17\_66} + X_{17\_67} + X_{17\_68} + X_{17\_69} + X_{17\_70} + X_{17\_71} +$   
 $X_{17\_72} +$   
 $X_{17\_73} + X_{17\_74} + X_{17\_75} + X_{17\_76} + X_{17\_77} + X_{17\_78} + X_{17\_79} +$   
 $X_{17\_80} +$   
 $X_{17\_81} + X_{17\_82} + X_{17\_83} + X_{17\_84} + X_{17\_85} + X_{17\_86} + X_{17\_87} +$   
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 $X_{17\_97} + X_{17\_98} + X_{17\_99} + X_{17\_100} + X_{17\_101} + X_{17\_102} +$   
 $X_{17\_103} + X_{17\_104}$   
 $+ X_{17\_105} + X_{17\_106} + X_{17\_107} + X_{17\_108} + X_{17\_109} + X_{17\_110} +$   
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 $X_{17\_112} + X_{17\_113} + X_{17\_114} + X_{17\_115} + X_{17\_116} + X_{17\_117} +$   
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 $X_{17\_125} +$   
 $X_{17\_126} + X_{17\_127} + X_{17\_128} + X_{17\_129} + X_{17\_130} + X_{17\_131} +$   
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 $X_{17\_133} + X_{17\_134} + X_{17\_135} + X_{17\_136} + X_{17\_137} + X_{17\_138} +$   
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 $X_{17\_161} + X_{17\_162} + X_{17\_163} + X_{17\_164} + X_{17\_165} + X_{17\_166} +$   
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 $X_{17\_168} + X_{17\_169} + X_{17\_170} + X_{17\_171} + X_{17\_172} + X_{17\_173} +$   
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 $X_{17\_175} + X_{17\_176} + X_{17\_177} + X_{17\_178} + X_{17\_179} + X_{17\_180} +$   
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 $X_{17\_231} + X_{17\_232} + X_{17\_233} + X_{17\_234} + X_{17\_235} + X_{17\_236} +$   
 $X_{17\_237} +$   
 $X_{17\_238} + X_{17\_239} + X_{17\_240} \leq 13;$   
 $[\_972] X_{18\_1} + X_{18\_2} + X_{18\_3} + X_{18\_4} + X_{18\_5} + X_{18\_6} + X_{18\_7} +$   
 $X_{18\_8} +$   
 $X_{18\_9} + X_{18\_10} + X_{18\_11} + X_{18\_12} + X_{18\_13} + X_{18\_14} + X_{18\_15} +$   
 $X_{18\_16} +$   
 $X_{18\_17} + X_{18\_18} + X_{18\_19} + X_{18\_20} + X_{18\_21} + X_{18\_22} + X_{18\_23} +$   
 $X_{18\_24} +$

X\_18\_25 + X\_18\_26 + X\_18\_27 + X\_18\_28 + X\_18\_29 + X\_18\_30 + X\_18\_31 +  
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+ X\_18\_105 + X\_18\_106 + X\_18\_107 + X\_18\_108 + X\_18\_109 + X\_18\_110 +  
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X\_18\_230 +

$X_{18\_231} + X_{18\_232} + X_{18\_233} + X_{18\_234} + X_{18\_235} + X_{18\_236} +$   
 $X_{18\_237} +$   
 $X_{18\_238} + X_{18\_239} + X_{18\_240} \leq 13;$   
 $[_{973}] X_{19\_1} + X_{19\_2} + X_{19\_3} + X_{19\_4} + X_{19\_5} + X_{19\_6} + X_{19\_7} +$   
 $X_{19\_8} +$   
 $X_{19\_9} + X_{19\_10} + X_{19\_11} + X_{19\_12} + X_{19\_13} + X_{19\_14} + X_{19\_15} +$   
 $X_{19\_16} +$   
 $X_{19\_17} + X_{19\_18} + X_{19\_19} + X_{19\_20} + X_{19\_21} + X_{19\_22} + X_{19\_23} +$   
 $X_{19\_24} +$   
 $X_{19\_25} + X_{19\_26} + X_{19\_27} + X_{19\_28} + X_{19\_29} + X_{19\_30} + X_{19\_31} +$   
 $X_{19\_32} +$   
 $X_{19\_33} + X_{19\_34} + X_{19\_35} + X_{19\_36} + X_{19\_37} + X_{19\_38} + X_{19\_39} +$   
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 $X_{19\_41} + X_{19\_42} + X_{19\_43} + X_{19\_44} + X_{19\_45} + X_{19\_46} + X_{19\_47} +$   
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 $X_{19\_49} + X_{19\_50} + X_{19\_51} + X_{19\_52} + X_{19\_53} + X_{19\_54} + X_{19\_55} +$   
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 $X_{19\_57} + X_{19\_58} + X_{19\_59} + X_{19\_60} + X_{19\_61} + X_{19\_62} + X_{19\_63} +$   
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 $X_{19\_65} + X_{19\_66} + X_{19\_67} + X_{19\_68} + X_{19\_69} + X_{19\_70} + X_{19\_71} +$   
 $X_{19\_72} +$   
 $X_{19\_73} + X_{19\_74} + X_{19\_75} + X_{19\_76} + X_{19\_77} + X_{19\_78} + X_{19\_79} +$   
 $X_{19\_80} +$   
 $X_{19\_81} + X_{19\_82} + X_{19\_83} + X_{19\_84} + X_{19\_85} + X_{19\_86} + X_{19\_87} +$   
 $X_{19\_88} +$   
 $X_{19\_89} + X_{19\_90} + X_{19\_91} + X_{19\_92} + X_{19\_93} + X_{19\_94} + X_{19\_95} +$   
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 $X_{19\_97} + X_{19\_98} + X_{19\_99} + X_{19\_100} + X_{19\_101} + X_{19\_102} +$   
 $X_{19\_103} + X_{19\_104}$   
 $+ X_{19\_105} + X_{19\_106} + X_{19\_107} + X_{19\_108} + X_{19\_109} + X_{19\_110} +$   
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 $X_{19\_126} + X_{19\_127} + X_{19\_128} + X_{19\_129} + X_{19\_130} + X_{19\_131} +$   
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 $X_{19\_146} +$   
 $X_{19\_147} + X_{19\_148} + X_{19\_149} + X_{19\_150} + X_{19\_151} + X_{19\_152} +$   
 $X_{19\_153} +$   
 $X_{19\_154} + X_{19\_155} + X_{19\_156} + X_{19\_157} + X_{19\_158} + X_{19\_159} +$   
 $X_{19\_160} +$   
 $X_{19\_161} + X_{19\_162} + X_{19\_163} + X_{19\_164} + X_{19\_165} + X_{19\_166} +$   
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 $X_{19\_168} + X_{19\_169} + X_{19\_170} + X_{19\_171} + X_{19\_172} + X_{19\_173} +$   
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 $X_{19\_175} + X_{19\_176} + X_{19\_177} + X_{19\_178} + X_{19\_179} + X_{19\_180} +$   
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 $X_{19\_182} + X_{19\_183} + X_{19\_184} + X_{19\_185} + X_{19\_186} + X_{19\_187} +$   
 $X_{19\_188} +$   
 $X_{19\_189} + X_{19\_190} + X_{19\_191} + X_{19\_192} + X_{19\_193} + X_{19\_194} +$   
 $X_{19\_195} +$   
 $X_{19\_196} + X_{19\_197} + X_{19\_198} + X_{19\_199} + X_{19\_200} + X_{19\_201} +$   
 $X_{19\_202} +$

X\_19\_203 + X\_19\_204 + X\_19\_205 + X\_19\_206 + X\_19\_207 + X\_19\_208 +  
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 X\_19\_223 +  
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 X\_19\_230 +  
 X\_19\_231 + X\_19\_232 + X\_19\_233 + X\_19\_234 + X\_19\_235 + X\_19\_236 +  
 X\_19\_237 +  
 X\_19\_238 + X\_19\_239 + X\_19\_240 <= 13;  
 [\_974] X\_20\_1 + X\_20\_2 + X\_20\_3 + X\_20\_4 + X\_20\_5 + X\_20\_6 + X\_20\_7 +  
 X\_20\_8 +  
 X\_20\_9 + X\_20\_10 + X\_20\_11 + X\_20\_12 + X\_20\_13 + X\_20\_14 + X\_20\_15 +  
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 + X\_20\_105 + X\_20\_106 + X\_20\_107 + X\_20\_108 + X\_20\_109 + X\_20\_110 +  
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$X_{20\_175} + X_{20\_176} + X_{20\_177} + X_{20\_178} + X_{20\_179} + X_{20\_180} +$   
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 $X_{20\_231} + X_{20\_232} + X_{20\_233} + X_{20\_234} + X_{20\_235} + X_{20\_236} +$   
 $X_{20\_237} +$   
 $X_{20\_238} + X_{20\_239} + X_{20\_240} \leq 13;$   
 $[\_975] X_{21\_1} + X_{21\_2} + X_{21\_3} + X_{21\_4} + X_{21\_5} + X_{21\_6} + X_{21\_7} +$   
 $X_{21\_8} +$   
 $X_{21\_9} + X_{21\_10} + X_{21\_11} + X_{21\_12} + X_{21\_13} + X_{21\_14} + X_{21\_15} +$   
 $X_{21\_16} +$   
 $X_{21\_17} + X_{21\_18} + X_{21\_19} + X_{21\_20} + X_{21\_21} + X_{21\_22} + X_{21\_23} +$   
 $X_{21\_24} +$   
 $X_{21\_25} + X_{21\_26} + X_{21\_27} + X_{21\_28} + X_{21\_29} + X_{21\_30} + X_{21\_31} +$   
 $X_{21\_32} +$   
 $X_{21\_33} + X_{21\_34} + X_{21\_35} + X_{21\_36} + X_{21\_37} + X_{21\_38} + X_{21\_39} +$   
 $X_{21\_40} +$   
 $X_{21\_41} + X_{21\_42} + X_{21\_43} + X_{21\_44} + X_{21\_45} + X_{21\_46} + X_{21\_47} +$   
 $X_{21\_48} +$   
 $X_{21\_49} + X_{21\_50} + X_{21\_51} + X_{21\_52} + X_{21\_53} + X_{21\_54} + X_{21\_55} +$   
 $X_{21\_56} +$   
 $X_{21\_57} + X_{21\_58} + X_{21\_59} + X_{21\_60} + X_{21\_61} + X_{21\_62} + X_{21\_63} +$   
 $X_{21\_64} +$   
 $X_{21\_65} + X_{21\_66} + X_{21\_67} + X_{21\_68} + X_{21\_69} + X_{21\_70} + X_{21\_71} +$   
 $X_{21\_72} +$   
 $X_{21\_73} + X_{21\_74} + X_{21\_75} + X_{21\_76} + X_{21\_77} + X_{21\_78} + X_{21\_79} +$   
 $X_{21\_80} +$   
 $X_{21\_81} + X_{21\_82} + X_{21\_83} + X_{21\_84} + X_{21\_85} + X_{21\_86} + X_{21\_87} +$   
 $X_{21\_88} +$   
 $X_{21\_89} + X_{21\_90} + X_{21\_91} + X_{21\_92} + X_{21\_93} + X_{21\_94} + X_{21\_95} +$   
 $X_{21\_96} +$   
 $X_{21\_97} + X_{21\_98} + X_{21\_99} + X_{21\_100} + X_{21\_101} + X_{21\_102} +$   
 $X_{21\_103} + X_{21\_104}$   
 $+ X_{21\_105} + X_{21\_106} + X_{21\_107} + X_{21\_108} + X_{21\_109} + X_{21\_110} +$   
 $X_{21\_111} +$   
 $X_{21\_112} + X_{21\_113} + X_{21\_114} + X_{21\_115} + X_{21\_116} + X_{21\_117} +$   
 $X_{21\_118} +$   
 $X_{21\_119} + X_{21\_120} + X_{21\_121} + X_{21\_122} + X_{21\_123} + X_{21\_124} +$   
 $X_{21\_125} +$   
 $X_{21\_126} + X_{21\_127} + X_{21\_128} + X_{21\_129} + X_{21\_130} + X_{21\_131} +$   
 $X_{21\_132} +$   
 $X_{21\_133} + X_{21\_134} + X_{21\_135} + X_{21\_136} + X_{21\_137} + X_{21\_138} +$   
 $X_{21\_139} +$   
 $X_{21\_140} + X_{21\_141} + X_{21\_142} + X_{21\_143} + X_{21\_144} + X_{21\_145} +$   
 $X_{21\_146} +$

$X_{21\_147} + X_{21\_148} + X_{21\_149} + X_{21\_150} + X_{21\_151} + X_{21\_152} +$   
 $X_{21\_153} +$   
 $X_{21\_154} + X_{21\_155} + X_{21\_156} + X_{21\_157} + X_{21\_158} + X_{21\_159} +$   
 $X_{21\_160} +$   
 $X_{21\_161} + X_{21\_162} + X_{21\_163} + X_{21\_164} + X_{21\_165} + X_{21\_166} +$   
 $X_{21\_167} +$   
 $X_{21\_168} + X_{21\_169} + X_{21\_170} + X_{21\_171} + X_{21\_172} + X_{21\_173} +$   
 $X_{21\_174} +$   
 $X_{21\_175} + X_{21\_176} + X_{21\_177} + X_{21\_178} + X_{21\_179} + X_{21\_180} +$   
 $X_{21\_181} +$   
 $X_{21\_182} + X_{21\_183} + X_{21\_184} + X_{21\_185} + X_{21\_186} + X_{21\_187} +$   
 $X_{21\_188} +$   
 $X_{21\_189} + X_{21\_190} + X_{21\_191} + X_{21\_192} + X_{21\_193} + X_{21\_194} +$   
 $X_{21\_195} +$   
 $X_{21\_196} + X_{21\_197} + X_{21\_198} + X_{21\_199} + X_{21\_200} + X_{21\_201} +$   
 $X_{21\_202} +$   
 $X_{21\_203} + X_{21\_204} + X_{21\_205} + X_{21\_206} + X_{21\_207} + X_{21\_208} +$   
 $X_{21\_209} +$   
 $X_{21\_210} + X_{21\_211} + X_{21\_212} + X_{21\_213} + X_{21\_214} + X_{21\_215} +$   
 $X_{21\_216} +$   
 $X_{21\_217} + X_{21\_218} + X_{21\_219} + X_{21\_220} + X_{21\_221} + X_{21\_222} +$   
 $X_{21\_223} +$   
 $X_{21\_224} + X_{21\_225} + X_{21\_226} + X_{21\_227} + X_{21\_228} + X_{21\_229} +$   
 $X_{21\_230} +$   
 $X_{21\_231} + X_{21\_232} + X_{21\_233} + X_{21\_234} + X_{21\_235} + X_{21\_236} +$   
 $X_{21\_237} +$   
 $X_{21\_238} + X_{21\_239} + X_{21\_240} \leq 13;$   
 $[_{976}] X_{22\_1} + X_{22\_2} + X_{22\_3} + X_{22\_4} + X_{22\_5} + X_{22\_6} + X_{22\_7} +$   
 $X_{22\_8} +$   
 $X_{22\_9} + X_{22\_10} + X_{22\_11} + X_{22\_12} + X_{22\_13} + X_{22\_14} + X_{22\_15} +$   
 $X_{22\_16} +$   
 $X_{22\_17} + X_{22\_18} + X_{22\_19} + X_{22\_20} + X_{22\_21} + X_{22\_22} + X_{22\_23} +$   
 $X_{22\_24} +$   
 $X_{22\_25} + X_{22\_26} + X_{22\_27} + X_{22\_28} + X_{22\_29} + X_{22\_30} + X_{22\_31} +$   
 $X_{22\_32} +$   
 $X_{22\_33} + X_{22\_34} + X_{22\_35} + X_{22\_36} + X_{22\_37} + X_{22\_38} + X_{22\_39} +$   
 $X_{22\_40} +$   
 $X_{22\_41} + X_{22\_42} + X_{22\_43} + X_{22\_44} + X_{22\_45} + X_{22\_46} + X_{22\_47} +$   
 $X_{22\_48} +$   
 $X_{22\_49} + X_{22\_50} + X_{22\_51} + X_{22\_52} + X_{22\_53} + X_{22\_54} + X_{22\_55} +$   
 $X_{22\_56} +$   
 $X_{22\_57} + X_{22\_58} + X_{22\_59} + X_{22\_60} + X_{22\_61} + X_{22\_62} + X_{22\_63} +$   
 $X_{22\_64} +$   
 $X_{22\_65} + X_{22\_66} + X_{22\_67} + X_{22\_68} + X_{22\_69} + X_{22\_70} + X_{22\_71} +$   
 $X_{22\_72} +$   
 $X_{22\_73} + X_{22\_74} + X_{22\_75} + X_{22\_76} + X_{22\_77} + X_{22\_78} + X_{22\_79} +$   
 $X_{22\_80} +$   
 $X_{22\_81} + X_{22\_82} + X_{22\_83} + X_{22\_84} + X_{22\_85} + X_{22\_86} + X_{22\_87} +$   
 $X_{22\_88} +$   
 $X_{22\_89} + X_{22\_90} + X_{22\_91} + X_{22\_92} + X_{22\_93} + X_{22\_94} + X_{22\_95} +$   
 $X_{22\_96} +$   
 $X_{22\_97} + X_{22\_98} + X_{22\_99} + X_{22\_100} + X_{22\_101} + X_{22\_102} +$   
 $X_{22\_103} + X_{22\_104}$   
 $+ X_{22\_105} + X_{22\_106} + X_{22\_107} + X_{22\_108} + X_{22\_109} + X_{22\_110} +$   
 $X_{22\_111} +$   
 $X_{22\_112} + X_{22\_113} + X_{22\_114} + X_{22\_115} + X_{22\_116} + X_{22\_117} +$   
 $X_{22\_118} +$

$X_{22\_119} + X_{22\_120} + X_{22\_121} + X_{22\_122} + X_{22\_123} + X_{22\_124} +$   
 $X_{22\_125} +$   
 $X_{22\_126} + X_{22\_127} + X_{22\_128} + X_{22\_129} + X_{22\_130} + X_{22\_131} +$   
 $X_{22\_132} +$   
 $X_{22\_133} + X_{22\_134} + X_{22\_135} + X_{22\_136} + X_{22\_137} + X_{22\_138} +$   
 $X_{22\_139} +$   
 $X_{22\_140} + X_{22\_141} + X_{22\_142} + X_{22\_143} + X_{22\_144} + X_{22\_145} +$   
 $X_{22\_146} +$   
 $X_{22\_147} + X_{22\_148} + X_{22\_149} + X_{22\_150} + X_{22\_151} + X_{22\_152} +$   
 $X_{22\_153} +$   
 $X_{22\_154} + X_{22\_155} + X_{22\_156} + X_{22\_157} + X_{22\_158} + X_{22\_159} +$   
 $X_{22\_160} +$   
 $X_{22\_161} + X_{22\_162} + X_{22\_163} + X_{22\_164} + X_{22\_165} + X_{22\_166} +$   
 $X_{22\_167} +$   
 $X_{22\_168} + X_{22\_169} + X_{22\_170} + X_{22\_171} + X_{22\_172} + X_{22\_173} +$   
 $X_{22\_174} +$   
 $X_{22\_175} + X_{22\_176} + X_{22\_177} + X_{22\_178} + X_{22\_179} + X_{22\_180} +$   
 $X_{22\_181} +$   
 $X_{22\_182} + X_{22\_183} + X_{22\_184} + X_{22\_185} + X_{22\_186} + X_{22\_187} +$   
 $X_{22\_188} +$   
 $X_{22\_189} + X_{22\_190} + X_{22\_191} + X_{22\_192} + X_{22\_193} + X_{22\_194} +$   
 $X_{22\_195} +$   
 $X_{22\_196} + X_{22\_197} + X_{22\_198} + X_{22\_199} + X_{22\_200} + X_{22\_201} +$   
 $X_{22\_202} +$   
 $X_{22\_203} + X_{22\_204} + X_{22\_205} + X_{22\_206} + X_{22\_207} + X_{22\_208} +$   
 $X_{22\_209} +$   
 $X_{22\_210} + X_{22\_211} + X_{22\_212} + X_{22\_213} + X_{22\_214} + X_{22\_215} +$   
 $X_{22\_216} +$   
 $X_{22\_217} + X_{22\_218} + X_{22\_219} + X_{22\_220} + X_{22\_221} + X_{22\_222} +$   
 $X_{22\_223} +$   
 $X_{22\_224} + X_{22\_225} + X_{22\_226} + X_{22\_227} + X_{22\_228} + X_{22\_229} +$   
 $X_{22\_230} +$   
 $X_{22\_231} + X_{22\_232} + X_{22\_233} + X_{22\_234} + X_{22\_235} + X_{22\_236} +$   
 $X_{22\_237} +$   
 $X_{22\_238} + X_{22\_239} + X_{22\_240} \leq 13;$   
 $[_977] X_{23\_1} + X_{23\_2} + X_{23\_3} + X_{23\_4} + X_{23\_5} + X_{23\_6} + X_{23\_7} +$   
 $X_{23\_8} +$   
 $X_{23\_9} + X_{23\_10} + X_{23\_11} + X_{23\_12} + X_{23\_13} + X_{23\_14} + X_{23\_15} +$   
 $X_{23\_16} +$   
 $X_{23\_17} + X_{23\_18} + X_{23\_19} + X_{23\_20} + X_{23\_21} + X_{23\_22} + X_{23\_23} +$   
 $X_{23\_24} +$   
 $X_{23\_25} + X_{23\_26} + X_{23\_27} + X_{23\_28} + X_{23\_29} + X_{23\_30} + X_{23\_31} +$   
 $X_{23\_32} +$   
 $X_{23\_33} + X_{23\_34} + X_{23\_35} + X_{23\_36} + X_{23\_37} + X_{23\_38} + X_{23\_39} +$   
 $X_{23\_40} +$   
 $X_{23\_41} + X_{23\_42} + X_{23\_43} + X_{23\_44} + X_{23\_45} + X_{23\_46} + X_{23\_47} +$   
 $X_{23\_48} +$   
 $X_{23\_49} + X_{23\_50} + X_{23\_51} + X_{23\_52} + X_{23\_53} + X_{23\_54} + X_{23\_55} +$   
 $X_{23\_56} +$   
 $X_{23\_57} + X_{23\_58} + X_{23\_59} + X_{23\_60} + X_{23\_61} + X_{23\_62} + X_{23\_63} +$   
 $X_{23\_64} +$   
 $X_{23\_65} + X_{23\_66} + X_{23\_67} + X_{23\_68} + X_{23\_69} + X_{23\_70} + X_{23\_71} +$   
 $X_{23\_72} +$   
 $X_{23\_73} + X_{23\_74} + X_{23\_75} + X_{23\_76} + X_{23\_77} + X_{23\_78} + X_{23\_79} +$   
 $X_{23\_80} +$   
 $X_{23\_81} + X_{23\_82} + X_{23\_83} + X_{23\_84} + X_{23\_85} + X_{23\_86} + X_{23\_87} +$   
 $X_{23\_88} +$



$X_{23\_89} + X_{23\_90} + X_{23\_91} + X_{23\_92} + X_{23\_93} + X_{23\_94} + X_{23\_95} +$   
 $X_{23\_96} +$   
 $X_{23\_97} + X_{23\_98} + X_{23\_99} + X_{23\_100} + X_{23\_101} + X_{23\_102} +$   
 $X_{23\_103} + X_{23\_104}$   
 $+ X_{23\_105} + X_{23\_106} + X_{23\_107} + X_{23\_108} + X_{23\_109} + X_{23\_110} +$   
 $X_{23\_111} +$   
 $X_{23\_112} + X_{23\_113} + X_{23\_114} + X_{23\_115} + X_{23\_116} + X_{23\_117} +$   
 $X_{23\_118} +$   
 $X_{23\_119} + X_{23\_120} + X_{23\_121} + X_{23\_122} + X_{23\_123} + X_{23\_124} +$   
 $X_{23\_125} +$   
 $X_{23\_126} + X_{23\_127} + X_{23\_128} + X_{23\_129} + X_{23\_130} + X_{23\_131} +$   
 $X_{23\_132} +$   
 $X_{23\_133} + X_{23\_134} + X_{23\_135} + X_{23\_136} + X_{23\_137} + X_{23\_138} +$   
 $X_{23\_139} +$   
 $X_{23\_140} + X_{23\_141} + X_{23\_142} + X_{23\_143} + X_{23\_144} + X_{23\_145} +$   
 $X_{23\_146} +$   
 $X_{23\_147} + X_{23\_148} + X_{23\_149} + X_{23\_150} + X_{23\_151} + X_{23\_152} +$   
 $X_{23\_153} +$   
 $X_{23\_154} + X_{23\_155} + X_{23\_156} + X_{23\_157} + X_{23\_158} + X_{23\_159} +$   
 $X_{23\_160} +$   
 $X_{23\_161} + X_{23\_162} + X_{23\_163} + X_{23\_164} + X_{23\_165} + X_{23\_166} +$   
 $X_{23\_167} +$   
 $X_{23\_168} + X_{23\_169} + X_{23\_170} + X_{23\_171} + X_{23\_172} + X_{23\_173} +$   
 $X_{23\_174} +$   
 $X_{23\_175} + X_{23\_176} + X_{23\_177} + X_{23\_178} + X_{23\_179} + X_{23\_180} +$   
 $X_{23\_181} +$   
 $X_{23\_182} + X_{23\_183} + X_{23\_184} + X_{23\_185} + X_{23\_186} + X_{23\_187} +$   
 $X_{23\_188} +$   
 $X_{23\_189} + X_{23\_190} + X_{23\_191} + X_{23\_192} + X_{23\_193} + X_{23\_194} +$   
 $X_{23\_195} +$   
 $X_{23\_196} + X_{23\_197} + X_{23\_198} + X_{23\_199} + X_{23\_200} + X_{23\_201} +$   
 $X_{23\_202} +$   
 $X_{23\_203} + X_{23\_204} + X_{23\_205} + X_{23\_206} + X_{23\_207} + X_{23\_208} +$   
 $X_{23\_209} +$   
 $X_{23\_210} + X_{23\_211} + X_{23\_212} + X_{23\_213} + X_{23\_214} + X_{23\_215} +$   
 $X_{23\_216} +$   
 $X_{23\_217} + X_{23\_218} + X_{23\_219} + X_{23\_220} + X_{23\_221} + X_{23\_222} +$   
 $X_{23\_223} +$   
 $X_{23\_224} + X_{23\_225} + X_{23\_226} + X_{23\_227} + X_{23\_228} + X_{23\_229} +$   
 $X_{23\_230} +$   
 $X_{23\_231} + X_{23\_232} + X_{23\_233} + X_{23\_234} + X_{23\_235} + X_{23\_236} +$   
 $X_{23\_237} +$   
 $X_{23\_238} + X_{23\_239} + X_{23\_240} \leq 13;$   
 $[_978] 2210 * X_{1\_1} + 1086 * X_{1\_2} + 1722 * X_{1\_3} + 2018 * X_{1\_4} +$   
 $2726 * X_{1\_8} +$   
 $2210 * X_{1\_9} + 860 * X_{1\_11} + 1122 * X_{1\_12} + 820 * X_{1\_13} + 1540 * X_{1\_14} + 596 * X_{1\_15} + 1722 * X_{1\_17} + 2726 * X_{1\_18} + 2018 * X_{1\_19} + 860 * X_{1\_20} + 2210 * X_{1\_21} + 1540 * X_{1\_25} + 596 * X_{1\_27} + 1086 * X_{1\_28} + 1722 * X_{1\_29} + 820 * X_{1\_30} + 2210 * X_{1\_32} + 2726 * X_{1\_33} + 2018 * X_{1\_34} + 2210 * X_{1\_35} + 860 * X_{1\_36} + 1122 * X_{1\_37} + 2210 * X_{1\_43} + 596 * X_{1\_44} + 1540 * X_{1\_45} + 1722 * X_{1\_46} + 1086 * X_{1\_47} + 820 * X_{1\_48} + 2018 * X_{1\_49} + 2726 * X_{1\_50} + 1122 *$

$X_{1\_51} + 860 * X_{1\_52} + 2210 * X_{1\_53} + 1540 * X_{1\_57} + 2018 * X_{1\_58}$   
 $+ 2210 *$   
 $X_{1\_60} + 820 * X_{1\_61} + 1722 * X_{1\_62} + 1086 * X_{1\_64} + 596 * X_{1\_65}$   
 $+ 1122 *$   
 $X_{1\_66} + 2210 * X_{1\_67} + 2726 * X_{1\_69} + 860 * X_{1\_72} + 1722 * X_{1\_73}$   
 $+ 820 *$   
 $X_{1\_74} + 1086 * X_{1\_76} + 2018 * X_{1\_78} + 2210 * X_{1\_79} + 1540 *$   
 $X_{1\_80} + 2726 *$   
 $X_{1\_82} + 1122 * X_{1\_83} + 596 * X_{1\_85} + 860 * X_{1\_86} + 2210 * X_{1\_87}$   
 $+ 1086 *$   
 $X_{1\_91} + 1722 * X_{1\_92} + 2210 * X_{1\_93} + 2018 * X_{1\_95} + 820 * X_{1\_96}$   
 $+ 596 *$   
 $X_{1\_97} + 1122 * X_{1\_98} + 2726 * X_{1\_100} + 860 * X_{1\_102} + 2210 *$   
 $X_{1\_103} + 1540 *$   
 $X_{1\_104} + 1722 * X_{1\_105} + 820 * X_{1\_106} + 1086 * X_{1\_107} + 2018 *$   
 $X_{1\_109} + 2210$   
 $* X_{1\_111} + 1540 * X_{1\_113} + 2210 * X_{1\_114} + 2726 * X_{1\_115} + 1122 *$   
 $X_{1\_118} +$   
 $596 * X_{1\_119} + 860 * X_{1\_120} + 596 * X_{1\_121} + 820 * X_{1\_122} + 2210$   
 $* X_{1\_124} +$   
 $1540 * X_{1\_125} + 1122 * X_{1\_127} + 860 * X_{1\_128} + 2210 * X_{1\_129} +$   
 $1086 * X_{1\_131}$   
 $+ 2726 * X_{1\_132} + 1722 * X_{1\_133} + 2018 * X_{1\_134} + 1086 * X_{1\_137} +$   
 $1122 *$   
 $X_{1\_140} + 1540 * X_{1\_141} + 820 * X_{1\_142} + 2210 * X_{1\_143} + 596 *$   
 $X_{1\_144} + 860 *$   
 $X_{1\_146} + 2726 * X_{1\_147} + 1122 * X_{1\_149} + 2018 * X_{1\_150} + 2210 *$   
 $X_{1\_151} + 2210$   
 $* X_{1\_153} + 1086 * X_{1\_154} + 820 * X_{1\_155} + 596 * X_{1\_156} + 1722 *$   
 $X_{1\_159} + 1540$   
 $* X_{1\_160} + 860 * X_{1\_163} + 1122 * X_{1\_164} + 2726 * X_{1\_165} + 2018 *$   
 $X_{1\_166} +$   
 $2210 * X_{1\_167} + 2210 * X_{1\_171} + 1540 * X_{1\_172} + 1722 * X_{1\_173} +$   
 $596 * X_{1\_174}$   
 $+ 820 * X_{1\_175} + 1086 * X_{1\_176} + 1122 * X_{1\_177} + 2726 * X_{1\_178} +$   
 $860 * X_{1\_179}$   
 $+ 596 * X_{1\_181} + 2210 * X_{1\_183} + 2210 * X_{1\_185} + 2018 * X_{1\_187} +$   
 $1540 *$   
 $X_{1\_188} + 1086 * X_{1\_189} + 1722 * X_{1\_191} + 820 * X_{1\_192} + 860 *$   
 $X_{1\_193} + 1122 *$   
 $X_{1\_194} + 2210 * X_{1\_196} + 2726 * X_{1\_197} + 596 * X_{1\_200} + 2018 *$   
 $X_{1\_201} + 1722$   
 $* X_{1\_202} + 1086 * X_{1\_203} + 820 * X_{1\_204} + 1540 * X_{1\_207} + 2210 *$   
 $X_{1\_208} +$   
 $1122 * X_{1\_210} + 596 * X_{1\_212} + 2726 * X_{1\_213} + 2210 * X_{1\_214} +$   
 $860 * X_{1\_215} +$   
 $1540 * X_{1\_216} + 1086 * X_{1\_217} + 2018 * X_{1\_218} + 1722 * X_{1\_221} +$   
 $2210 * X_{1\_222}$   
 $+ 820 * X_{1\_223} + 2210 * X_{1\_225} + 1540 * X_{1\_227} + 596 * X_{1\_228} +$   
 $860 * X_{1\_230}$   
 $+ 1122 * X_{1\_231} + 2726 * X_{1\_232} + 1722 * X_{1\_233} + 820 * X_{1\_235} +$   
 $1086 *$   
 $X_{1\_236} + 2210 * X_{1\_237} + 2018 * X_{1\_239} >= 6750;$   
 $[_979] 2210 * X_{2\_1} + 1086 * X_{2\_2} + 1722 * X_{2\_3} + 2018 * X_{2\_4} +$   
 $2726 * X_{2\_8} +$   
 $2210 * X_{2\_9} + 860 * X_{2\_11} + 1122 * X_{2\_12} + 820 * X_{2\_13} + 1540 *$   
 $X_{2\_14} + 596 *$

$X_{2\_15} + 1722 * X_{2\_17} + 2726 * X_{2\_18} + 2018 * X_{2\_19} + 860 * X_{2\_20}$   
 $+ 2210 *$   
 $X_{2\_21} + 1540 * X_{2\_25} + 596 * X_{2\_27} + 1086 * X_{2\_28} + 1722 * X_{2\_29}$   
 $+ 820 *$   
 $X_{2\_30} + 2210 * X_{2\_32} + 2726 * X_{2\_33} + 2018 * X_{2\_34} + 2210 *$   
 $X_{2\_35} + 860 *$   
 $X_{2\_36} + 1122 * X_{2\_37} + 2210 * X_{2\_43} + 596 * X_{2\_44} + 1540 * X_{2\_45}$   
 $+ 1722 *$   
 $X_{2\_46} + 1086 * X_{2\_47} + 820 * X_{2\_48} + 2018 * X_{2\_49} + 2726 * X_{2\_50}$   
 $+ 1122 *$   
 $X_{2\_51} + 860 * X_{2\_52} + 2210 * X_{2\_53} + 1540 * X_{2\_57} + 2018 * X_{2\_58}$   
 $+ 2210 *$   
 $X_{2\_60} + 820 * X_{2\_61} + 1722 * X_{2\_62} + 1086 * X_{2\_64} + 596 * X_{2\_65}$   
 $+ 1122 *$   
 $X_{2\_66} + 2210 * X_{2\_67} + 2726 * X_{2\_69} + 860 * X_{2\_72} + 1722 * X_{2\_73}$   
 $+ 820 *$   
 $X_{2\_74} + 1086 * X_{2\_76} + 2018 * X_{2\_78} + 2210 * X_{2\_79} + 1540 *$   
 $X_{2\_80} + 2726 *$   
 $X_{2\_82} + 1122 * X_{2\_83} + 596 * X_{2\_85} + 860 * X_{2\_86} + 2210 * X_{2\_87}$   
 $+ 1086 *$   
 $X_{2\_91} + 1722 * X_{2\_92} + 2210 * X_{2\_93} + 2018 * X_{2\_95} + 820 * X_{2\_96}$   
 $+ 596 *$   
 $X_{2\_97} + 1122 * X_{2\_98} + 2726 * X_{2\_100} + 860 * X_{2\_102} + 2210 *$   
 $X_{2\_103} + 1540 *$   
 $X_{2\_104} + 1722 * X_{2\_105} + 820 * X_{2\_106} + 1086 * X_{2\_107} + 2018 *$   
 $X_{2\_109} + 2210$   
 $* X_{2\_111} + 1540 * X_{2\_113} + 2210 * X_{2\_114} + 2726 * X_{2\_115} + 1122 *$   
 $X_{2\_118} +$   
 $596 * X_{2\_119} + 860 * X_{2\_120} + 596 * X_{2\_121} + 820 * X_{2\_122} + 2210$   
 $* X_{2\_124} +$   
 $1540 * X_{2\_125} + 1122 * X_{2\_127} + 860 * X_{2\_128} + 2210 * X_{2\_129} +$   
 $1086 * X_{2\_131}$   
 $+ 2726 * X_{2\_132} + 1722 * X_{2\_133} + 2018 * X_{2\_134} + 1086 * X_{2\_137} +$   
 $1122 *$   
 $X_{2\_140} + 1540 * X_{2\_141} + 820 * X_{2\_142} + 2210 * X_{2\_143} + 596 *$   
 $X_{2\_144} + 860 *$   
 $X_{2\_146} + 2726 * X_{2\_147} + 1122 * X_{2\_149} + 2018 * X_{2\_150} + 2210 *$   
 $X_{2\_151} + 2210$   
 $* X_{2\_153} + 1086 * X_{2\_154} + 820 * X_{2\_155} + 596 * X_{2\_156} + 1722 *$   
 $X_{2\_159} + 1540$   
 $* X_{2\_160} + 860 * X_{2\_163} + 1122 * X_{2\_164} + 2726 * X_{2\_165} + 2018 *$   
 $X_{2\_166} +$   
 $2210 * X_{2\_167} + 2210 * X_{2\_171} + 1540 * X_{2\_172} + 1722 * X_{2\_173} +$   
 $596 * X_{2\_174}$   
 $+ 820 * X_{2\_175} + 1086 * X_{2\_176} + 1122 * X_{2\_177} + 2726 * X_{2\_178} +$   
 $860 * X_{2\_179}$   
 $+ 596 * X_{2\_181} + 2210 * X_{2\_183} + 2210 * X_{2\_185} + 2018 * X_{2\_187} +$   
 $1540 *$   
 $X_{2\_188} + 1086 * X_{2\_189} + 1722 * X_{2\_191} + 820 * X_{2\_192} + 860 *$   
 $X_{2\_193} + 1122 *$   
 $X_{2\_194} + 2210 * X_{2\_196} + 2726 * X_{2\_197} + 596 * X_{2\_200} + 2018 *$   
 $X_{2\_201} + 1722$   
 $* X_{2\_202} + 1086 * X_{2\_203} + 820 * X_{2\_204} + 1540 * X_{2\_207} + 2210 *$   
 $X_{2\_208} +$   
 $1122 * X_{2\_210} + 596 * X_{2\_212} + 2726 * X_{2\_213} + 2210 * X_{2\_214} +$   
 $860 * X_{2\_215} +$

1540 \* X\_2\_216 + 1086 \* X\_2\_217 + 2018 \* X\_2\_218 + 1722 \* X\_2\_221 +  
 2210 \* X\_2\_222  
 + 820 \* X\_2\_223 + 2210 \* X\_2\_225 + 1540 \* X\_2\_227 + 596 \* X\_2\_228 +  
 860 \* X\_2\_230  
 + 1122 \* X\_2\_231 + 2726 \* X\_2\_232 + 1722 \* X\_2\_233 + 820 \* X\_2\_235 +  
 1086 \*  
 X\_2\_236 + 2210 \* X\_2\_237 + 2018 \* X\_2\_239 >= 6750;  
 [\_980] 2210 \* X\_3\_1 + 1086 \* X\_3\_2 + 1722 \* X\_3\_3 + 2018 \* X\_3\_4 +  
 2726 \* X\_3\_8 +  
 2210 \* X\_3\_9 + 860 \* X\_3\_11 + 1122 \* X\_3\_12 + 820 \* X\_3\_13 + 1540 \*  
 X\_3\_14 + 596 \*  
 X\_3\_15 + 1722 \* X\_3\_17 + 2726 \* X\_3\_18 + 2018 \* X\_3\_19 + 860 \* X\_3\_20  
 + 2210 \*  
 X\_3\_21 + 1540 \* X\_3\_25 + 596 \* X\_3\_27 + 1086 \* X\_3\_28 + 1722 \* X\_3\_29  
 + 820 \*  
 X\_3\_30 + 2210 \* X\_3\_32 + 2726 \* X\_3\_33 + 2018 \* X\_3\_34 + 2210 \*  
 X\_3\_35 + 860 \*  
 X\_3\_36 + 1122 \* X\_3\_37 + 2210 \* X\_3\_43 + 596 \* X\_3\_44 + 1540 \* X\_3\_45  
 + 1722 \*  
 X\_3\_46 + 1086 \* X\_3\_47 + 820 \* X\_3\_48 + 2018 \* X\_3\_49 + 2726 \* X\_3\_50  
 + 1122 \*  
 X\_3\_51 + 860 \* X\_3\_52 + 2210 \* X\_3\_53 + 1540 \* X\_3\_57 + 2018 \* X\_3\_58  
 + 2210 \*  
 X\_3\_60 + 820 \* X\_3\_61 + 1722 \* X\_3\_62 + 1086 \* X\_3\_64 + 596 \* X\_3\_65  
 + 1122 \*  
 X\_3\_66 + 2210 \* X\_3\_67 + 2726 \* X\_3\_69 + 860 \* X\_3\_72 + 1722 \* X\_3\_73  
 + 820 \*  
 X\_3\_74 + 1086 \* X\_3\_76 + 2018 \* X\_3\_78 + 2210 \* X\_3\_79 + 1540 \*  
 X\_3\_80 + 2726 \*  
 X\_3\_82 + 1122 \* X\_3\_83 + 596 \* X\_3\_85 + 860 \* X\_3\_86 + 2210 \* X\_3\_87  
 + 1086 \*  
 X\_3\_91 + 1722 \* X\_3\_92 + 2210 \* X\_3\_93 + 2018 \* X\_3\_95 + 820 \* X\_3\_96  
 + 596 \*  
 X\_3\_97 + 1122 \* X\_3\_98 + 2726 \* X\_3\_100 + 860 \* X\_3\_102 + 2210 \*  
 X\_3\_103 + 1540 \*  
 X\_3\_104 + 1722 \* X\_3\_105 + 820 \* X\_3\_106 + 1086 \* X\_3\_107 + 2018 \*  
 X\_3\_109 + 2210  
 \* X\_3\_111 + 1540 \* X\_3\_113 + 2210 \* X\_3\_114 + 2726 \* X\_3\_115 + 1122 \*  
 X\_3\_118 +  
 596 \* X\_3\_119 + 860 \* X\_3\_120 + 596 \* X\_3\_121 + 820 \* X\_3\_122 + 2210  
 \* X\_3\_124 +  
 1540 \* X\_3\_125 + 1122 \* X\_3\_127 + 860 \* X\_3\_128 + 2210 \* X\_3\_129 +  
 1086 \* X\_3\_131  
 + 2726 \* X\_3\_132 + 1722 \* X\_3\_133 + 2018 \* X\_3\_134 + 1086 \* X\_3\_137 +  
 1122 \*  
 X\_3\_140 + 1540 \* X\_3\_141 + 820 \* X\_3\_142 + 2210 \* X\_3\_143 + 596 \*  
 X\_3\_144 + 860 \*  
 X\_3\_146 + 2726 \* X\_3\_147 + 1122 \* X\_3\_149 + 2018 \* X\_3\_150 + 2210 \*  
 X\_3\_151 + 2210  
 \* X\_3\_153 + 1086 \* X\_3\_154 + 820 \* X\_3\_155 + 596 \* X\_3\_156 + 1722 \*  
 X\_3\_159 + 1540  
 \* X\_3\_160 + 860 \* X\_3\_163 + 1122 \* X\_3\_164 + 2726 \* X\_3\_165 + 2018 \*  
 X\_3\_166 +  
 2210 \* X\_3\_167 + 2210 \* X\_3\_171 + 1540 \* X\_3\_172 + 1722 \* X\_3\_173 +  
 596 \* X\_3\_174  
 + 820 \* X\_3\_175 + 1086 \* X\_3\_176 + 1122 \* X\_3\_177 + 2726 \* X\_3\_178 +  
 860 \* X\_3\_179

+ 596 \* X\_3\_181 + 2210 \* X\_3\_183 + 2210 \* X\_3\_185 + 2018 \* X\_3\_187 +  
 1540 \*  
 X\_3\_188 + 1086 \* X\_3\_189 + 1722 \* X\_3\_191 + 820 \* X\_3\_192 + 860 \*  
 X\_3\_193 + 1122 \*  
 X\_3\_194 + 2210 \* X\_3\_196 + 2726 \* X\_3\_197 + 596 \* X\_3\_200 + 2018 \*  
 X\_3\_201 + 1722  
 \* X\_3\_202 + 1086 \* X\_3\_203 + 820 \* X\_3\_204 + 1540 \* X\_3\_207 + 2210 \*  
 X\_3\_208 +  
 1122 \* X\_3\_210 + 596 \* X\_3\_212 + 2726 \* X\_3\_213 + 2210 \* X\_3\_214 +  
 860 \* X\_3\_215 +  
 1540 \* X\_3\_216 + 1086 \* X\_3\_217 + 2018 \* X\_3\_218 + 1722 \* X\_3\_221 +  
 2210 \* X\_3\_222  
 + 820 \* X\_3\_223 + 2210 \* X\_3\_225 + 1540 \* X\_3\_227 + 596 \* X\_3\_228 +  
 860 \* X\_3\_230  
 + 1122 \* X\_3\_231 + 2726 \* X\_3\_232 + 1722 \* X\_3\_233 + 820 \* X\_3\_235 +  
 1086 \*  
 X\_3\_236 + 2210 \* X\_3\_237 + 2018 \* X\_3\_239 >= 6750;  
 [\_981] 2210 \* X\_4\_1 + 1086 \* X\_4\_2 + 1722 \* X\_4\_3 + 2018 \* X\_4\_4 +  
 2726 \* X\_4\_8 +  
 2210 \* X\_4\_9 + 860 \* X\_4\_11 + 1122 \* X\_4\_12 + 820 \* X\_4\_13 + 1540 \*  
 X\_4\_14 + 596 \*  
 X\_4\_15 + 1722 \* X\_4\_17 + 2726 \* X\_4\_18 + 2018 \* X\_4\_19 + 860 \* X\_4\_20  
 + 2210 \*  
 X\_4\_21 + 1540 \* X\_4\_25 + 596 \* X\_4\_27 + 1086 \* X\_4\_28 + 1722 \* X\_4\_29  
 + 820 \*  
 X\_4\_30 + 2210 \* X\_4\_32 + 2726 \* X\_4\_33 + 2018 \* X\_4\_34 + 2210 \*  
 X\_4\_35 + 860 \*  
 X\_4\_36 + 1122 \* X\_4\_37 + 2210 \* X\_4\_43 + 596 \* X\_4\_44 + 1540 \* X\_4\_45  
 + 1722 \*  
 X\_4\_46 + 1086 \* X\_4\_47 + 820 \* X\_4\_48 + 2018 \* X\_4\_49 + 2726 \* X\_4\_50  
 + 1122 \*  
 X\_4\_51 + 860 \* X\_4\_52 + 2210 \* X\_4\_53 + 1540 \* X\_4\_57 + 2018 \* X\_4\_58  
 + 2210 \*  
 X\_4\_60 + 820 \* X\_4\_61 + 1722 \* X\_4\_62 + 1086 \* X\_4\_64 + 596 \* X\_4\_65  
 + 1122 \*  
 X\_4\_66 + 2210 \* X\_4\_67 + 2726 \* X\_4\_69 + 860 \* X\_4\_72 + 1722 \* X\_4\_73  
 + 820 \*  
 X\_4\_74 + 1086 \* X\_4\_76 + 2018 \* X\_4\_78 + 2210 \* X\_4\_79 + 1540 \*  
 X\_4\_80 + 2726 \*  
 X\_4\_82 + 1122 \* X\_4\_83 + 596 \* X\_4\_85 + 860 \* X\_4\_86 + 2210 \* X\_4\_87  
 + 1086 \*  
 X\_4\_91 + 1722 \* X\_4\_92 + 2210 \* X\_4\_93 + 2018 \* X\_4\_95 + 820 \* X\_4\_96  
 + 596 \*  
 X\_4\_97 + 1122 \* X\_4\_98 + 2726 \* X\_4\_100 + 860 \* X\_4\_102 + 2210 \*  
 X\_4\_103 + 1540 \*  
 X\_4\_104 + 1722 \* X\_4\_105 + 820 \* X\_4\_106 + 1086 \* X\_4\_107 + 2018 \*  
 X\_4\_109 + 2210  
 \* X\_4\_111 + 1540 \* X\_4\_113 + 2210 \* X\_4\_114 + 2726 \* X\_4\_115 + 1122 \*  
 X\_4\_118 +  
 596 \* X\_4\_119 + 860 \* X\_4\_120 + 596 \* X\_4\_121 + 820 \* X\_4\_122 + 2210  
 \* X\_4\_124 +  
 1540 \* X\_4\_125 + 1122 \* X\_4\_127 + 860 \* X\_4\_128 + 2210 \* X\_4\_129 +  
 1086 \* X\_4\_131  
 + 2726 \* X\_4\_132 + 1722 \* X\_4\_133 + 2018 \* X\_4\_134 + 1086 \* X\_4\_137 +  
 1122 \*  
 X\_4\_140 + 1540 \* X\_4\_141 + 820 \* X\_4\_142 + 2210 \* X\_4\_143 + 596 \*  
 X\_4\_144 + 860 \*

$X_{4\_146} + 2726 * X_{4\_147} + 1122 * X_{4\_149} + 2018 * X_{4\_150} + 2210 * X_{4\_151} + 2210$   
 $* X_{4\_153} + 1086 * X_{4\_154} + 820 * X_{4\_155} + 596 * X_{4\_156} + 1722 * X_{4\_159} + 1540$   
 $* X_{4\_160} + 860 * X_{4\_163} + 1122 * X_{4\_164} + 2726 * X_{4\_165} + 2018 * X_{4\_166} +$   
 $2210 * X_{4\_167} + 2210 * X_{4\_171} + 1540 * X_{4\_172} + 1722 * X_{4\_173} + 596 * X_{4\_174}$   
 $+ 820 * X_{4\_175} + 1086 * X_{4\_176} + 1122 * X_{4\_177} + 2726 * X_{4\_178} + 860 * X_{4\_179}$   
 $+ 596 * X_{4\_181} + 2210 * X_{4\_183} + 2210 * X_{4\_185} + 2018 * X_{4\_187} + 1540 *$   
 $X_{4\_188} + 1086 * X_{4\_189} + 1722 * X_{4\_191} + 820 * X_{4\_192} + 860 * X_{4\_193} + 1122 *$   
 $X_{4\_194} + 2210 * X_{4\_196} + 2726 * X_{4\_197} + 596 * X_{4\_200} + 2018 * X_{4\_201} + 1722$   
 $* X_{4\_202} + 1086 * X_{4\_203} + 820 * X_{4\_204} + 1540 * X_{4\_207} + 2210 * X_{4\_208} +$   
 $1122 * X_{4\_210} + 596 * X_{4\_212} + 2726 * X_{4\_213} + 2210 * X_{4\_214} + 860 * X_{4\_215} +$   
 $1540 * X_{4\_216} + 1086 * X_{4\_217} + 2018 * X_{4\_218} + 1722 * X_{4\_221} + 2210 * X_{4\_222}$   
 $+ 820 * X_{4\_223} + 2210 * X_{4\_225} + 1540 * X_{4\_227} + 596 * X_{4\_228} + 860 * X_{4\_230}$   
 $+ 1122 * X_{4\_231} + 2726 * X_{4\_232} + 1722 * X_{4\_233} + 820 * X_{4\_235} + 1086 *$   
 $X_{4\_236} + 2210 * X_{4\_237} + 2018 * X_{4\_239} >= 6750;$   
 $[\_982] 2210 * X_{5\_1} + 1086 * X_{5\_2} + 1722 * X_{5\_3} + 2018 * X_{5\_4} + 2726 * X_{5\_8} +$   
 $2210 * X_{5\_9} + 860 * X_{5\_11} + 1122 * X_{5\_12} + 820 * X_{5\_13} + 1540 * X_{5\_14} + 596 *$   
 $X_{5\_15} + 1722 * X_{5\_17} + 2726 * X_{5\_18} + 2018 * X_{5\_19} + 860 * X_{5\_20} + 2210 *$   
 $X_{5\_21} + 1540 * X_{5\_25} + 596 * X_{5\_27} + 1086 * X_{5\_28} + 1722 * X_{5\_29} + 820 *$   
 $X_{5\_30} + 2210 * X_{5\_32} + 2726 * X_{5\_33} + 2018 * X_{5\_34} + 2210 * X_{5\_35} + 860 *$   
 $X_{5\_36} + 1122 * X_{5\_37} + 2210 * X_{5\_43} + 596 * X_{5\_44} + 1540 * X_{5\_45} + 1722 *$   
 $X_{5\_46} + 1086 * X_{5\_47} + 820 * X_{5\_48} + 2018 * X_{5\_49} + 2726 * X_{5\_50} + 1122 *$   
 $X_{5\_51} + 860 * X_{5\_52} + 2210 * X_{5\_53} + 1540 * X_{5\_57} + 2018 * X_{5\_58} + 2210 *$   
 $X_{5\_60} + 820 * X_{5\_61} + 1722 * X_{5\_62} + 1086 * X_{5\_64} + 596 * X_{5\_65} + 1122 *$   
 $X_{5\_66} + 2210 * X_{5\_67} + 2726 * X_{5\_69} + 860 * X_{5\_72} + 1722 * X_{5\_73} + 820 *$   
 $X_{5\_74} + 1086 * X_{5\_76} + 2018 * X_{5\_78} + 2210 * X_{5\_79} + 1540 * X_{5\_80} + 2726 *$   
 $X_{5\_82} + 1122 * X_{5\_83} + 596 * X_{5\_85} + 860 * X_{5\_86} + 2210 * X_{5\_87} + 1086 *$   
 $X_{5\_91} + 1722 * X_{5\_92} + 2210 * X_{5\_93} + 2018 * X_{5\_95} + 820 * X_{5\_96} + 596 *$   
 $X_{5\_97} + 1122 * X_{5\_98} + 2726 * X_{5\_100} + 860 * X_{5\_102} + 2210 * X_{5\_103} + 1540 *$   
 $X_{5\_104} + 1722 * X_{5\_105} + 820 * X_{5\_106} + 1086 * X_{5\_107} + 2018 * X_{5\_109} + 2210$

\* X\_5\_111 + 1540 \* X\_5\_113 + 2210 \* X\_5\_114 + 2726 \* X\_5\_115 + 1122 \*  
 X\_5\_118 +  
 596 \* X\_5\_119 + 860 \* X\_5\_120 + 596 \* X\_5\_121 + 820 \* X\_5\_122 + 2210  
 \* X\_5\_124 +  
 1540 \* X\_5\_125 + 1122 \* X\_5\_127 + 860 \* X\_5\_128 + 2210 \* X\_5\_129 +  
 1086 \* X\_5\_131  
 + 2726 \* X\_5\_132 + 1722 \* X\_5\_133 + 2018 \* X\_5\_134 + 1086 \* X\_5\_137 +  
 1122 \*  
 X\_5\_140 + 1540 \* X\_5\_141 + 820 \* X\_5\_142 + 2210 \* X\_5\_143 + 596 \*  
 X\_5\_144 + 860 \*  
 X\_5\_146 + 2726 \* X\_5\_147 + 1122 \* X\_5\_149 + 2018 \* X\_5\_150 + 2210 \*  
 X\_5\_151 + 2210  
 \* X\_5\_153 + 1086 \* X\_5\_154 + 820 \* X\_5\_155 + 596 \* X\_5\_156 + 1722 \*  
 X\_5\_159 + 1540  
 \* X\_5\_160 + 860 \* X\_5\_163 + 1122 \* X\_5\_164 + 2726 \* X\_5\_165 + 2018 \*  
 X\_5\_166 +  
 2210 \* X\_5\_167 + 2210 \* X\_5\_171 + 1540 \* X\_5\_172 + 1722 \* X\_5\_173 +  
 596 \* X\_5\_174  
 + 820 \* X\_5\_175 + 1086 \* X\_5\_176 + 1122 \* X\_5\_177 + 2726 \* X\_5\_178 +  
 860 \* X\_5\_179  
 + 596 \* X\_5\_181 + 2210 \* X\_5\_183 + 2210 \* X\_5\_185 + 2018 \* X\_5\_187 +  
 1540 \*  
 X\_5\_188 + 1086 \* X\_5\_189 + 1722 \* X\_5\_191 + 820 \* X\_5\_192 + 860 \*  
 X\_5\_193 + 1122 \*  
 X\_5\_194 + 2210 \* X\_5\_196 + 2726 \* X\_5\_197 + 596 \* X\_5\_200 + 2018 \*  
 X\_5\_201 + 1722  
 \* X\_5\_202 + 1086 \* X\_5\_203 + 820 \* X\_5\_204 + 1540 \* X\_5\_207 + 2210 \*  
 X\_5\_208 +  
 1122 \* X\_5\_210 + 596 \* X\_5\_212 + 2726 \* X\_5\_213 + 2210 \* X\_5\_214 +  
 860 \* X\_5\_215 +  
 1540 \* X\_5\_216 + 1086 \* X\_5\_217 + 2018 \* X\_5\_218 + 1722 \* X\_5\_221 +  
 2210 \* X\_5\_222  
 + 820 \* X\_5\_223 + 2210 \* X\_5\_225 + 1540 \* X\_5\_227 + 596 \* X\_5\_228 +  
 860 \* X\_5\_230  
 + 1122 \* X\_5\_231 + 2726 \* X\_5\_232 + 1722 \* X\_5\_233 + 820 \* X\_5\_235 +  
 1086 \*  
 X\_5\_236 + 2210 \* X\_5\_237 + 2018 \* X\_5\_239 >= 6750;  
 [\_983] 2210 \* X\_6\_1 + 1086 \* X\_6\_2 + 1722 \* X\_6\_3 + 2018 \* X\_6\_4 +  
 2726 \* X\_6\_8 +  
 2210 \* X\_6\_9 + 860 \* X\_6\_11 + 1122 \* X\_6\_12 + 820 \* X\_6\_13 + 1540 \*  
 X\_6\_14 + 596 \*  
 X\_6\_15 + 1722 \* X\_6\_17 + 2726 \* X\_6\_18 + 2018 \* X\_6\_19 + 860 \* X\_6\_20  
 + 2210 \*  
 X\_6\_21 + 1540 \* X\_6\_25 + 596 \* X\_6\_27 + 1086 \* X\_6\_28 + 1722 \* X\_6\_29  
 + 820 \*  
 X\_6\_30 + 2210 \* X\_6\_32 + 2726 \* X\_6\_33 + 2018 \* X\_6\_34 + 2210 \*  
 X\_6\_35 + 860 \*  
 X\_6\_36 + 1122 \* X\_6\_37 + 2210 \* X\_6\_43 + 596 \* X\_6\_44 + 1540 \* X\_6\_45  
 + 1722 \*  
 X\_6\_46 + 1086 \* X\_6\_47 + 820 \* X\_6\_48 + 2018 \* X\_6\_49 + 2726 \* X\_6\_50  
 + 1122 \*  
 X\_6\_51 + 860 \* X\_6\_52 + 2210 \* X\_6\_53 + 1540 \* X\_6\_57 + 2018 \* X\_6\_58  
 + 2210 \*  
 X\_6\_60 + 820 \* X\_6\_61 + 1722 \* X\_6\_62 + 1086 \* X\_6\_64 + 596 \* X\_6\_65  
 + 1122 \*  
 X\_6\_66 + 2210 \* X\_6\_67 + 2726 \* X\_6\_69 + 860 \* X\_6\_72 + 1722 \* X\_6\_73  
 + 820 \*

$X_{6\_74} + 1086 * X_{6\_76} + 2018 * X_{6\_78} + 2210 * X_{6\_79} + 1540 * X_{6\_80} + 2726 *$   
 $X_{6\_82} + 1122 * X_{6\_83} + 596 * X_{6\_85} + 860 * X_{6\_86} + 2210 * X_{6\_87} + 1086 *$   
 $X_{6\_91} + 1722 * X_{6\_92} + 2210 * X_{6\_93} + 2018 * X_{6\_95} + 820 * X_{6\_96} + 596 *$   
 $X_{6\_97} + 1122 * X_{6\_98} + 2726 * X_{6\_100} + 860 * X_{6\_102} + 2210 * X_{6\_103} + 1540 *$   
 $X_{6\_104} + 1722 * X_{6\_105} + 820 * X_{6\_106} + 1086 * X_{6\_107} + 2018 * X_{6\_109} + 2210$   
 $* X_{6\_111} + 1540 * X_{6\_113} + 2210 * X_{6\_114} + 2726 * X_{6\_115} + 1122 * X_{6\_118} +$   
 $596 * X_{6\_119} + 860 * X_{6\_120} + 596 * X_{6\_121} + 820 * X_{6\_122} + 2210 * X_{6\_124} +$   
 $1540 * X_{6\_125} + 1122 * X_{6\_127} + 860 * X_{6\_128} + 2210 * X_{6\_129} + 1086 * X_{6\_131}$   
 $+ 2726 * X_{6\_132} + 1722 * X_{6\_133} + 2018 * X_{6\_134} + 1086 * X_{6\_137} + 1122 *$   
 $X_{6\_140} + 1540 * X_{6\_141} + 820 * X_{6\_142} + 2210 * X_{6\_143} + 596 * X_{6\_144} + 860 *$   
 $X_{6\_146} + 2726 * X_{6\_147} + 1122 * X_{6\_149} + 2018 * X_{6\_150} + 2210 * X_{6\_151} + 2210$   
 $* X_{6\_153} + 1086 * X_{6\_154} + 820 * X_{6\_155} + 596 * X_{6\_156} + 1722 * X_{6\_159} + 1540$   
 $* X_{6\_160} + 860 * X_{6\_163} + 1122 * X_{6\_164} + 2726 * X_{6\_165} + 2018 * X_{6\_166} +$   
 $2210 * X_{6\_167} + 2210 * X_{6\_171} + 1540 * X_{6\_172} + 1722 * X_{6\_173} + 596 * X_{6\_174}$   
 $+ 820 * X_{6\_175} + 1086 * X_{6\_176} + 1122 * X_{6\_177} + 2726 * X_{6\_178} + 860 * X_{6\_179}$   
 $+ 596 * X_{6\_181} + 2210 * X_{6\_183} + 2210 * X_{6\_185} + 2018 * X_{6\_187} + 1540 *$   
 $X_{6\_188} + 1086 * X_{6\_189} + 1722 * X_{6\_191} + 820 * X_{6\_192} + 860 * X_{6\_193} + 1122 *$   
 $X_{6\_194} + 2210 * X_{6\_196} + 2726 * X_{6\_197} + 596 * X_{6\_200} + 2018 * X_{6\_201} + 1722$   
 $* X_{6\_202} + 1086 * X_{6\_203} + 820 * X_{6\_204} + 1540 * X_{6\_207} + 2210 * X_{6\_208} +$   
 $1122 * X_{6\_210} + 596 * X_{6\_212} + 2726 * X_{6\_213} + 2210 * X_{6\_214} + 860 * X_{6\_215} +$   
 $1540 * X_{6\_216} + 1086 * X_{6\_217} + 2018 * X_{6\_218} + 1722 * X_{6\_221} + 2210 * X_{6\_222}$   
 $+ 820 * X_{6\_223} + 2210 * X_{6\_225} + 1540 * X_{6\_227} + 596 * X_{6\_228} + 860 * X_{6\_230}$   
 $+ 1122 * X_{6\_231} + 2726 * X_{6\_232} + 1722 * X_{6\_233} + 820 * X_{6\_235} + 1086 *$   
 $X_{6\_236} + 2210 * X_{6\_237} + 2018 * X_{6\_239} \geq 6750;$   
 $[_{984}] 2210 * X_{7\_1} + 1086 * X_{7\_2} + 1722 * X_{7\_3} + 2018 * X_{7\_4} + 2726 * X_{7\_8} +$   
 $2210 * X_{7\_9} + 860 * X_{7\_11} + 1122 * X_{7\_12} + 820 * X_{7\_13} + 1540 * X_{7\_14} + 596 *$   
 $X_{7\_15} + 1722 * X_{7\_17} + 2726 * X_{7\_18} + 2018 * X_{7\_19} + 860 * X_{7\_20} + 2210 *$   
 $X_{7\_21} + 1540 * X_{7\_25} + 596 * X_{7\_27} + 1086 * X_{7\_28} + 1722 * X_{7\_29} + 820 *$   
 $X_{7\_30} + 2210 * X_{7\_32} + 2726 * X_{7\_33} + 2018 * X_{7\_34} + 2210 * X_{7\_35} + 860 *$



$X_{7\_36} + 1122 * X_{7\_37} + 2210 * X_{7\_43} + 596 * X_{7\_44} + 1540 * X_{7\_45}$   
 $+ 1722 *$   
 $X_{7\_46} + 1086 * X_{7\_47} + 820 * X_{7\_48} + 2018 * X_{7\_49} + 2726 * X_{7\_50}$   
 $+ 1122 *$   
 $X_{7\_51} + 860 * X_{7\_52} + 2210 * X_{7\_53} + 1540 * X_{7\_57} + 2018 * X_{7\_58}$   
 $+ 2210 *$   
 $X_{7\_60} + 820 * X_{7\_61} + 1722 * X_{7\_62} + 1086 * X_{7\_64} + 596 * X_{7\_65}$   
 $+ 1122 *$   
 $X_{7\_66} + 2210 * X_{7\_67} + 2726 * X_{7\_69} + 860 * X_{7\_72} + 1722 * X_{7\_73}$   
 $+ 820 *$   
 $X_{7\_74} + 1086 * X_{7\_76} + 2018 * X_{7\_78} + 2210 * X_{7\_79} + 1540 *$   
 $X_{7\_80} + 2726 *$   
 $X_{7\_82} + 1122 * X_{7\_83} + 596 * X_{7\_85} + 860 * X_{7\_86} + 2210 * X_{7\_87}$   
 $+ 1086 *$   
 $X_{7\_91} + 1722 * X_{7\_92} + 2210 * X_{7\_93} + 2018 * X_{7\_95} + 820 * X_{7\_96}$   
 $+ 596 *$   
 $X_{7\_97} + 1122 * X_{7\_98} + 2726 * X_{7\_100} + 860 * X_{7\_102} + 2210 *$   
 $X_{7\_103} + 1540 *$   
 $X_{7\_104} + 1722 * X_{7\_105} + 820 * X_{7\_106} + 1086 * X_{7\_107} + 2018 *$   
 $X_{7\_109} + 2210$   
 $* X_{7\_111} + 1540 * X_{7\_113} + 2210 * X_{7\_114} + 2726 * X_{7\_115} + 1122 *$   
 $X_{7\_118} +$   
 $596 * X_{7\_119} + 860 * X_{7\_120} + 596 * X_{7\_121} + 820 * X_{7\_122} + 2210$   
 $* X_{7\_124} +$   
 $1540 * X_{7\_125} + 1122 * X_{7\_127} + 860 * X_{7\_128} + 2210 * X_{7\_129} +$   
 $1086 * X_{7\_131}$   
 $+ 2726 * X_{7\_132} + 1722 * X_{7\_133} + 2018 * X_{7\_134} + 1086 * X_{7\_137} +$   
 $1122 *$   
 $X_{7\_140} + 1540 * X_{7\_141} + 820 * X_{7\_142} + 2210 * X_{7\_143} + 596 *$   
 $X_{7\_144} + 860 *$   
 $X_{7\_146} + 2726 * X_{7\_147} + 1122 * X_{7\_149} + 2018 * X_{7\_150} + 2210 *$   
 $X_{7\_151} + 2210$   
 $* X_{7\_153} + 1086 * X_{7\_154} + 820 * X_{7\_155} + 596 * X_{7\_156} + 1722 *$   
 $X_{7\_159} + 1540$   
 $* X_{7\_160} + 860 * X_{7\_163} + 1122 * X_{7\_164} + 2726 * X_{7\_165} + 2018 *$   
 $X_{7\_166} +$   
 $2210 * X_{7\_167} + 2210 * X_{7\_171} + 1540 * X_{7\_172} + 1722 * X_{7\_173} +$   
 $596 * X_{7\_174}$   
 $+ 820 * X_{7\_175} + 1086 * X_{7\_176} + 1122 * X_{7\_177} + 2726 * X_{7\_178} +$   
 $860 * X_{7\_179}$   
 $+ 596 * X_{7\_181} + 2210 * X_{7\_183} + 2210 * X_{7\_185} + 2018 * X_{7\_187} +$   
 $1540 *$   
 $X_{7\_188} + 1086 * X_{7\_189} + 1722 * X_{7\_191} + 820 * X_{7\_192} + 860 *$   
 $X_{7\_193} + 1122 *$   
 $X_{7\_194} + 2210 * X_{7\_196} + 2726 * X_{7\_197} + 596 * X_{7\_200} + 2018 *$   
 $X_{7\_201} + 1722$   
 $* X_{7\_202} + 1086 * X_{7\_203} + 820 * X_{7\_204} + 1540 * X_{7\_207} + 2210 *$   
 $X_{7\_208} +$   
 $1122 * X_{7\_210} + 596 * X_{7\_212} + 2726 * X_{7\_213} + 2210 * X_{7\_214} +$   
 $860 * X_{7\_215} +$   
 $1540 * X_{7\_216} + 1086 * X_{7\_217} + 2018 * X_{7\_218} + 1722 * X_{7\_221} +$   
 $2210 * X_{7\_222}$   
 $+ 820 * X_{7\_223} + 2210 * X_{7\_225} + 1540 * X_{7\_227} + 596 * X_{7\_228} +$   
 $860 * X_{7\_230}$   
 $+ 1122 * X_{7\_231} + 2726 * X_{7\_232} + 1722 * X_{7\_233} + 820 * X_{7\_235} +$   
 $1086 *$   
 $X_{7\_236} + 2210 * X_{7\_237} + 2018 * X_{7\_239} \geq 6750;$

[\_985] 2210 \* X\_8\_1 + 1086 \* X\_8\_2 + 1722 \* X\_8\_3 + 2018 \* X\_8\_4 +  
 2726 \* X\_8\_8 +  
 2210 \* X\_8\_9 + 860 \* X\_8\_11 + 1122 \* X\_8\_12 + 820 \* X\_8\_13 + 1540 \*  
 X\_8\_14 + 596 \*  
 X\_8\_15 + 1722 \* X\_8\_17 + 2726 \* X\_8\_18 + 2018 \* X\_8\_19 + 860 \* X\_8\_20  
 + 2210 \*  
 X\_8\_21 + 1540 \* X\_8\_25 + 596 \* X\_8\_27 + 1086 \* X\_8\_28 + 1722 \* X\_8\_29  
 + 820 \*  
 X\_8\_30 + 2210 \* X\_8\_32 + 2726 \* X\_8\_33 + 2018 \* X\_8\_34 + 2210 \*  
 X\_8\_35 + 860 \*  
 X\_8\_36 + 1122 \* X\_8\_37 + 2210 \* X\_8\_43 + 596 \* X\_8\_44 + 1540 \* X\_8\_45  
 + 1722 \*  
 X\_8\_46 + 1086 \* X\_8\_47 + 820 \* X\_8\_48 + 2018 \* X\_8\_49 + 2726 \* X\_8\_50  
 + 1122 \*  
 X\_8\_51 + 860 \* X\_8\_52 + 2210 \* X\_8\_53 + 1540 \* X\_8\_57 + 2018 \* X\_8\_58  
 + 2210 \*  
 X\_8\_60 + 820 \* X\_8\_61 + 1722 \* X\_8\_62 + 1086 \* X\_8\_64 + 596 \* X\_8\_65  
 + 1122 \*  
 X\_8\_66 + 2210 \* X\_8\_67 + 2726 \* X\_8\_69 + 860 \* X\_8\_72 + 1722 \* X\_8\_73  
 + 820 \*  
 X\_8\_74 + 1086 \* X\_8\_76 + 2018 \* X\_8\_78 + 2210 \* X\_8\_79 + 1540 \*  
 X\_8\_80 + 2726 \*  
 X\_8\_82 + 1122 \* X\_8\_83 + 596 \* X\_8\_85 + 860 \* X\_8\_86 + 2210 \* X\_8\_87  
 + 1086 \*  
 X\_8\_91 + 1722 \* X\_8\_92 + 2210 \* X\_8\_93 + 2018 \* X\_8\_95 + 820 \* X\_8\_96  
 + 596 \*  
 X\_8\_97 + 1122 \* X\_8\_98 + 2726 \* X\_8\_100 + 860 \* X\_8\_102 + 2210 \*  
 X\_8\_103 + 1540 \*  
 X\_8\_104 + 1722 \* X\_8\_105 + 820 \* X\_8\_106 + 1086 \* X\_8\_107 + 2018 \*  
 X\_8\_109 + 2210  
 \* X\_8\_111 + 1540 \* X\_8\_113 + 2210 \* X\_8\_114 + 2726 \* X\_8\_115 + 1122 \*  
 X\_8\_118 +  
 596 \* X\_8\_119 + 860 \* X\_8\_120 + 596 \* X\_8\_121 + 820 \* X\_8\_122 + 2210  
 \* X\_8\_124 +  
 1540 \* X\_8\_125 + 1122 \* X\_8\_127 + 860 \* X\_8\_128 + 2210 \* X\_8\_129 +  
 1086 \* X\_8\_131  
 + 2726 \* X\_8\_132 + 1722 \* X\_8\_133 + 2018 \* X\_8\_134 + 1086 \* X\_8\_137 +  
 1122 \*  
 X\_8\_140 + 1540 \* X\_8\_141 + 820 \* X\_8\_142 + 2210 \* X\_8\_143 + 596 \*  
 X\_8\_144 + 860 \*  
 X\_8\_146 + 2726 \* X\_8\_147 + 1122 \* X\_8\_149 + 2018 \* X\_8\_150 + 2210 \*  
 X\_8\_151 + 2210  
 \* X\_8\_153 + 1086 \* X\_8\_154 + 820 \* X\_8\_155 + 596 \* X\_8\_156 + 1722 \*  
 X\_8\_159 + 1540  
 \* X\_8\_160 + 860 \* X\_8\_163 + 1122 \* X\_8\_164 + 2726 \* X\_8\_165 + 2018 \*  
 X\_8\_166 +  
 2210 \* X\_8\_167 + 2210 \* X\_8\_171 + 1540 \* X\_8\_172 + 1722 \* X\_8\_173 +  
 596 \* X\_8\_174  
 + 820 \* X\_8\_175 + 1086 \* X\_8\_176 + 1122 \* X\_8\_177 + 2726 \* X\_8\_178 +  
 860 \* X\_8\_179  
 + 596 \* X\_8\_181 + 2210 \* X\_8\_183 + 2210 \* X\_8\_185 + 2018 \* X\_8\_187 +  
 1540 \*  
 X\_8\_188 + 1086 \* X\_8\_189 + 1722 \* X\_8\_191 + 820 \* X\_8\_192 + 860 \*  
 X\_8\_193 + 1122 \*  
 X\_8\_194 + 2210 \* X\_8\_196 + 2726 \* X\_8\_197 + 596 \* X\_8\_200 + 2018 \*  
 X\_8\_201 + 1722

\* X\_8\_202 + 1086 \* X\_8\_203 + 820 \* X\_8\_204 + 1540 \* X\_8\_207 + 2210 \* X\_8\_208 +  
 1122 \* X\_8\_210 + 596 \* X\_8\_212 + 2726 \* X\_8\_213 + 2210 \* X\_8\_214 + 860 \* X\_8\_215 +  
 1540 \* X\_8\_216 + 1086 \* X\_8\_217 + 2018 \* X\_8\_218 + 1722 \* X\_8\_221 + 2210 \* X\_8\_222  
 + 820 \* X\_8\_223 + 2210 \* X\_8\_225 + 1540 \* X\_8\_227 + 596 \* X\_8\_228 + 860 \* X\_8\_230  
 + 1122 \* X\_8\_231 + 2726 \* X\_8\_232 + 1722 \* X\_8\_233 + 820 \* X\_8\_235 + 1086 \*  
 X\_8\_236 + 2210 \* X\_8\_237 + 2018 \* X\_8\_239 >= 6750;  
 [\_986] 2210 \* X\_9\_1 + 1086 \* X\_9\_2 + 1722 \* X\_9\_3 + 2018 \* X\_9\_4 + 2726 \* X\_9\_8 +  
 2210 \* X\_9\_9 + 860 \* X\_9\_11 + 1122 \* X\_9\_12 + 820 \* X\_9\_13 + 1540 \* X\_9\_14 + 596 \*  
 X\_9\_15 + 1722 \* X\_9\_17 + 2726 \* X\_9\_18 + 2018 \* X\_9\_19 + 860 \* X\_9\_20 + 2210 \*  
 X\_9\_21 + 1540 \* X\_9\_25 + 596 \* X\_9\_27 + 1086 \* X\_9\_28 + 1722 \* X\_9\_29 + 820 \*  
 X\_9\_30 + 2210 \* X\_9\_32 + 2726 \* X\_9\_33 + 2018 \* X\_9\_34 + 2210 \* X\_9\_35 + 860 \*  
 X\_9\_36 + 1122 \* X\_9\_37 + 2210 \* X\_9\_43 + 596 \* X\_9\_44 + 1540 \* X\_9\_45 + 1722 \*  
 X\_9\_46 + 1086 \* X\_9\_47 + 820 \* X\_9\_48 + 2018 \* X\_9\_49 + 2726 \* X\_9\_50 + 1122 \*  
 X\_9\_51 + 860 \* X\_9\_52 + 2210 \* X\_9\_53 + 1540 \* X\_9\_57 + 2018 \* X\_9\_58 + 2210 \*  
 X\_9\_60 + 820 \* X\_9\_61 + 1722 \* X\_9\_62 + 1086 \* X\_9\_64 + 596 \* X\_9\_65 + 1122 \*  
 X\_9\_66 + 2210 \* X\_9\_67 + 2726 \* X\_9\_69 + 860 \* X\_9\_72 + 1722 \* X\_9\_73 + 820 \*  
 X\_9\_74 + 1086 \* X\_9\_76 + 2018 \* X\_9\_78 + 2210 \* X\_9\_79 + 1540 \* X\_9\_80 + 2726 \*  
 X\_9\_82 + 1122 \* X\_9\_83 + 596 \* X\_9\_85 + 860 \* X\_9\_86 + 2210 \* X\_9\_87 + 1086 \*  
 X\_9\_91 + 1722 \* X\_9\_92 + 2210 \* X\_9\_93 + 2018 \* X\_9\_95 + 820 \* X\_9\_96 + 596 \*  
 X\_9\_97 + 1122 \* X\_9\_98 + 2726 \* X\_9\_100 + 860 \* X\_9\_102 + 2210 \* X\_9\_103 + 1540 \*  
 X\_9\_104 + 1722 \* X\_9\_105 + 820 \* X\_9\_106 + 1086 \* X\_9\_107 + 2018 \* X\_9\_109 + 2210  
 \* X\_9\_111 + 1540 \* X\_9\_113 + 2210 \* X\_9\_114 + 2726 \* X\_9\_115 + 1122 \* X\_9\_118 +  
 596 \* X\_9\_119 + 860 \* X\_9\_120 + 596 \* X\_9\_121 + 820 \* X\_9\_122 + 2210 \* X\_9\_124 +  
 1540 \* X\_9\_125 + 1122 \* X\_9\_127 + 860 \* X\_9\_128 + 2210 \* X\_9\_129 + 1086 \* X\_9\_131  
 + 2726 \* X\_9\_132 + 1722 \* X\_9\_133 + 2018 \* X\_9\_134 + 1086 \* X\_9\_137 + 1122 \*  
 X\_9\_140 + 1540 \* X\_9\_141 + 820 \* X\_9\_142 + 2210 \* X\_9\_143 + 596 \* X\_9\_144 + 860 \*  
 X\_9\_146 + 2726 \* X\_9\_147 + 1122 \* X\_9\_149 + 2018 \* X\_9\_150 + 2210 \* X\_9\_151 + 2210  
 \* X\_9\_153 + 1086 \* X\_9\_154 + 820 \* X\_9\_155 + 596 \* X\_9\_156 + 1722 \* X\_9\_159 + 1540  
 \* X\_9\_160 + 860 \* X\_9\_163 + 1122 \* X\_9\_164 + 2726 \* X\_9\_165 + 2018 \* X\_9\_166 +

$2210 * X_9_{167} + 2210 * X_9_{171} + 1540 * X_9_{172} + 1722 * X_9_{173} +$   
 $596 * X_9_{174}$   
 $+ 820 * X_9_{175} + 1086 * X_9_{176} + 1122 * X_9_{177} + 2726 * X_9_{178} +$   
 $860 * X_9_{179}$   
 $+ 596 * X_9_{181} + 2210 * X_9_{183} + 2210 * X_9_{185} + 2018 * X_9_{187} +$   
 $1540 *$   
 $X_9_{188} + 1086 * X_9_{189} + 1722 * X_9_{191} + 820 * X_9_{192} + 860 *$   
 $X_9_{193} + 1122 *$   
 $X_9_{194} + 2210 * X_9_{196} + 2726 * X_9_{197} + 596 * X_9_{200} + 2018 *$   
 $X_9_{201} + 1722$   
 $* X_9_{202} + 1086 * X_9_{203} + 820 * X_9_{204} + 1540 * X_9_{207} + 2210 *$   
 $X_9_{208} +$   
 $1122 * X_9_{210} + 596 * X_9_{212} + 2726 * X_9_{213} + 2210 * X_9_{214} +$   
 $860 * X_9_{215} +$   
 $1540 * X_9_{216} + 1086 * X_9_{217} + 2018 * X_9_{218} + 1722 * X_9_{221} +$   
 $2210 * X_9_{222}$   
 $+ 820 * X_9_{223} + 2210 * X_9_{225} + 1540 * X_9_{227} + 596 * X_9_{228} +$   
 $860 * X_9_{230}$   
 $+ 1122 * X_9_{231} + 2726 * X_9_{232} + 1722 * X_9_{233} + 820 * X_9_{235} +$   
 $1086 *$   
 $X_9_{236} + 2210 * X_9_{237} + 2018 * X_9_{239} \geq 6750;$   
 $[_987] 2210 * X_{10}_1 + 1086 * X_{10}_2 + 1722 * X_{10}_3 + 2018 * X_{10}_4 +$   
 $2726 *$   
 $X_{10}_8 + 2210 * X_{10}_9 + 860 * X_{10}_{11} + 1122 * X_{10}_{12} + 820 *$   
 $X_{10}_{13} + 1540 *$   
 $X_{10}_{14} + 596 * X_{10}_{15} + 1722 * X_{10}_{17} + 2726 * X_{10}_{18} + 2018 *$   
 $X_{10}_{19} + 860 *$   
 $X_{10}_{20} + 2210 * X_{10}_{21} + 1540 * X_{10}_{25} + 596 * X_{10}_{27} + 1086 *$   
 $X_{10}_{28} + 1722$   
 $* X_{10}_{29} + 820 * X_{10}_{30} + 2210 * X_{10}_{32} + 2726 * X_{10}_{33} + 2018 *$   
 $X_{10}_{34} +$   
 $2210 * X_{10}_{35} + 860 * X_{10}_{36} + 1122 * X_{10}_{37} + 2210 * X_{10}_{43} +$   
 $596 * X_{10}_{44} +$   
 $1540 * X_{10}_{45} + 1722 * X_{10}_{46} + 1086 * X_{10}_{47} + 820 * X_{10}_{48} +$   
 $2018 * X_{10}_{49}$   
 $+ 2726 * X_{10}_{50} + 1122 * X_{10}_{51} + 860 * X_{10}_{52} + 2210 * X_{10}_{53} +$   
 $1540 *$   
 $X_{10}_{57} + 2018 * X_{10}_{58} + 2210 * X_{10}_{60} + 820 * X_{10}_{61} + 1722 *$   
 $X_{10}_{62} + 1086$   
 $* X_{10}_{64} + 596 * X_{10}_{65} + 1122 * X_{10}_{66} + 2210 * X_{10}_{67} + 2726 *$   
 $X_{10}_{69} + 860$   
 $* X_{10}_{72} + 1722 * X_{10}_{73} + 820 * X_{10}_{74} + 1086 * X_{10}_{76} + 2018 *$   
 $X_{10}_{78} +$   
 $2210 * X_{10}_{79} + 1540 * X_{10}_{80} + 2726 * X_{10}_{82} + 1122 * X_{10}_{83} +$   
 $596 * X_{10}_{85}$   
 $+ 860 * X_{10}_{86} + 2210 * X_{10}_{87} + 1086 * X_{10}_{91} + 1722 * X_{10}_{92} +$   
 $2210 *$   
 $X_{10}_{93} + 2018 * X_{10}_{95} + 820 * X_{10}_{96} + 596 * X_{10}_{97} + 1122 *$   
 $X_{10}_{98} + 2726 *$   
 $X_{10}_{100} + 860 * X_{10}_{102} + 2210 * X_{10}_{103} + 1540 * X_{10}_{104} + 1722$   
 $* X_{10}_{105} +$   
 $820 * X_{10}_{106} + 1086 * X_{10}_{107} + 2018 * X_{10}_{109} + 2210 * X_{10}_{111}$   
 $+ 1540 *$   
 $X_{10}_{113} + 2210 * X_{10}_{114} + 2726 * X_{10}_{115} + 1122 * X_{10}_{118} + 596$   
 $* X_{10}_{119} +$   
 $860 * X_{10}_{120} + 596 * X_{10}_{121} + 820 * X_{10}_{122} + 2210 * X_{10}_{124} +$   
 $1540 *$

$X_{10\_125} + 1122 * X_{10\_127} + 860 * X_{10\_128} + 2210 * X_{10\_129} + 1086$   
 $* X_{10\_131} +$   
 $2726 * X_{10\_132} + 1722 * X_{10\_133} + 2018 * X_{10\_134} + 1086 * X_{10\_137}$   
 $+ 1122 *$   
 $X_{10\_140} + 1540 * X_{10\_141} + 820 * X_{10\_142} + 2210 * X_{10\_143} + 596 *$   
 $X_{10\_144} +$   
 $860 * X_{10\_146} + 2726 * X_{10\_147} + 1122 * X_{10\_149} + 2018 * X_{10\_150}$   
 $+ 2210 *$   
 $X_{10\_151} + 2210 * X_{10\_153} + 1086 * X_{10\_154} + 820 * X_{10\_155} + 596 *$   
 $X_{10\_156} +$   
 $1722 * X_{10\_159} + 1540 * X_{10\_160} + 860 * X_{10\_163} + 1122 * X_{10\_164}$   
 $+ 2726 *$   
 $X_{10\_165} + 2018 * X_{10\_166} + 2210 * X_{10\_167} + 2210 * X_{10\_171} + 1540$   
 $* X_{10\_172} +$   
 $1722 * X_{10\_173} + 596 * X_{10\_174} + 820 * X_{10\_175} + 1086 * X_{10\_176} +$   
 $1122 *$   
 $X_{10\_177} + 2726 * X_{10\_178} + 860 * X_{10\_179} + 596 * X_{10\_181} + 2210 *$   
 $X_{10\_183} +$   
 $2210 * X_{10\_185} + 2018 * X_{10\_187} + 1540 * X_{10\_188} + 1086 * X_{10\_189}$   
 $+ 1722 *$   
 $X_{10\_191} + 820 * X_{10\_192} + 860 * X_{10\_193} + 1122 * X_{10\_194} + 2210 *$   
 $X_{10\_196} +$   
 $2726 * X_{10\_197} + 596 * X_{10\_200} + 2018 * X_{10\_201} + 1722 * X_{10\_202}$   
 $+ 1086 *$   
 $X_{10\_203} + 820 * X_{10\_204} + 1540 * X_{10\_207} + 2210 * X_{10\_208} + 1122$   
 $* X_{10\_210} +$   
 $596 * X_{10\_212} + 2726 * X_{10\_213} + 2210 * X_{10\_214} + 860 * X_{10\_215} +$   
 $1540 *$   
 $X_{10\_216} + 1086 * X_{10\_217} + 2018 * X_{10\_218} + 1722 * X_{10\_221} + 2210$   
 $* X_{10\_222} +$   
 $820 * X_{10\_223} + 2210 * X_{10\_225} + 1540 * X_{10\_227} + 596 * X_{10\_228} +$   
 $860 *$   
 $X_{10\_230} + 1122 * X_{10\_231} + 2726 * X_{10\_232} + 1722 * X_{10\_233} + 820$   
 $* X_{10\_235} +$   
 $1086 * X_{10\_236} + 2210 * X_{10\_237} + 2018 * X_{10\_239} \geq 6750;$   
 $[\_988] 2210 * X_{11\_1} + 1086 * X_{11\_2} + 1722 * X_{11\_3} + 2018 * X_{11\_4} +$   
 $2726 *$   
 $X_{11\_8} + 2210 * X_{11\_9} + 860 * X_{11\_11} + 1122 * X_{11\_12} + 820 *$   
 $X_{11\_13} + 1540 *$   
 $X_{11\_14} + 596 * X_{11\_15} + 1722 * X_{11\_17} + 2726 * X_{11\_18} + 2018 *$   
 $X_{11\_19} + 860 *$   
 $X_{11\_20} + 2210 * X_{11\_21} + 1540 * X_{11\_25} + 596 * X_{11\_27} + 1086 *$   
 $X_{11\_28} + 1722$   
 $* X_{11\_29} + 820 * X_{11\_30} + 2210 * X_{11\_32} + 2726 * X_{11\_33} + 2018 *$   
 $X_{11\_34} +$   
 $2210 * X_{11\_35} + 860 * X_{11\_36} + 1122 * X_{11\_37} + 2210 * X_{11\_43} +$   
 $596 * X_{11\_44} +$   
 $1540 * X_{11\_45} + 1722 * X_{11\_46} + 1086 * X_{11\_47} + 820 * X_{11\_48} +$   
 $2018 * X_{11\_49}$   
 $+ 2726 * X_{11\_50} + 1122 * X_{11\_51} + 860 * X_{11\_52} + 2210 * X_{11\_53} +$   
 $1540 *$   
 $X_{11\_57} + 2018 * X_{11\_58} + 2210 * X_{11\_60} + 820 * X_{11\_61} + 1722 *$   
 $X_{11\_62} + 1086$   
 $* X_{11\_64} + 596 * X_{11\_65} + 1122 * X_{11\_66} + 2210 * X_{11\_67} + 2726 *$   
 $X_{11\_69} + 860$   
 $* X_{11\_72} + 1722 * X_{11\_73} + 820 * X_{11\_74} + 1086 * X_{11\_76} + 2018 *$   
 $X_{11\_78} +$

2210 \* X\_11\_79 + 1540 \* X\_11\_80 + 2726 \* X\_11\_82 + 1122 \* X\_11\_83 +  
 596 \* X\_11\_85  
 + 860 \* X\_11\_86 + 2210 \* X\_11\_87 + 1086 \* X\_11\_91 + 1722 \* X\_11\_92 +  
 2210 \*  
 X\_11\_93 + 2018 \* X\_11\_95 + 820 \* X\_11\_96 + 596 \* X\_11\_97 + 1122 \*  
 X\_11\_98 + 2726 \*  
 X\_11\_100 + 860 \* X\_11\_102 + 2210 \* X\_11\_103 + 1540 \* X\_11\_104 + 1722  
 \* X\_11\_105 +  
 820 \* X\_11\_106 + 1086 \* X\_11\_107 + 2018 \* X\_11\_109 + 2210 \* X\_11\_111  
 + 1540 \*  
 X\_11\_113 + 2210 \* X\_11\_114 + 2726 \* X\_11\_115 + 1122 \* X\_11\_118 + 596  
 \* X\_11\_119 +  
 860 \* X\_11\_120 + 596 \* X\_11\_121 + 820 \* X\_11\_122 + 2210 \* X\_11\_124 +  
 1540 \*  
 X\_11\_125 + 1122 \* X\_11\_127 + 860 \* X\_11\_128 + 2210 \* X\_11\_129 + 1086  
 \* X\_11\_131 +  
 2726 \* X\_11\_132 + 1722 \* X\_11\_133 + 2018 \* X\_11\_134 + 1086 \* X\_11\_137  
 + 1122 \*  
 X\_11\_140 + 1540 \* X\_11\_141 + 820 \* X\_11\_142 + 2210 \* X\_11\_143 + 596 \*  
 X\_11\_144 +  
 860 \* X\_11\_146 + 2726 \* X\_11\_147 + 1122 \* X\_11\_149 + 2018 \* X\_11\_150  
 + 2210 \*  
 X\_11\_151 + 2210 \* X\_11\_153 + 1086 \* X\_11\_154 + 820 \* X\_11\_155 + 596 \*  
 X\_11\_156 +  
 1722 \* X\_11\_159 + 1540 \* X\_11\_160 + 860 \* X\_11\_163 + 1122 \* X\_11\_164  
 + 2726 \*  
 X\_11\_165 + 2018 \* X\_11\_166 + 2210 \* X\_11\_167 + 2210 \* X\_11\_171 + 1540  
 \* X\_11\_172 +  
 1722 \* X\_11\_173 + 596 \* X\_11\_174 + 820 \* X\_11\_175 + 1086 \* X\_11\_176 +  
 1122 \*  
 X\_11\_177 + 2726 \* X\_11\_178 + 860 \* X\_11\_179 + 596 \* X\_11\_181 + 2210 \*  
 X\_11\_183 +  
 2210 \* X\_11\_185 + 2018 \* X\_11\_187 + 1540 \* X\_11\_188 + 1086 \* X\_11\_189  
 + 1722 \*  
 X\_11\_191 + 820 \* X\_11\_192 + 860 \* X\_11\_193 + 1122 \* X\_11\_194 + 2210 \*  
 X\_11\_196 +  
 2726 \* X\_11\_197 + 596 \* X\_11\_200 + 2018 \* X\_11\_201 + 1722 \* X\_11\_202  
 + 1086 \*  
 X\_11\_203 + 820 \* X\_11\_204 + 1540 \* X\_11\_207 + 2210 \* X\_11\_208 + 1122  
 \* X\_11\_210 +  
 596 \* X\_11\_212 + 2726 \* X\_11\_213 + 2210 \* X\_11\_214 + 860 \* X\_11\_215 +  
 1540 \*  
 X\_11\_216 + 1086 \* X\_11\_217 + 2018 \* X\_11\_218 + 1722 \* X\_11\_221 + 2210  
 \* X\_11\_222 +  
 820 \* X\_11\_223 + 2210 \* X\_11\_225 + 1540 \* X\_11\_227 + 596 \* X\_11\_228 +  
 860 \*  
 X\_11\_230 + 1122 \* X\_11\_231 + 2726 \* X\_11\_232 + 1722 \* X\_11\_233 + 820  
 \* X\_11\_235 +  
 1086 \* X\_11\_236 + 2210 \* X\_11\_237 + 2018 \* X\_11\_239 >= 6750;  
 [\_989] 2210 \* X\_12\_1 + 1086 \* X\_12\_2 + 1722 \* X\_12\_3 + 2018 \* X\_12\_4 +  
 2726 \*  
 X\_12\_8 + 2210 \* X\_12\_9 + 860 \* X\_12\_11 + 1122 \* X\_12\_12 + 820 \*  
 X\_12\_13 + 1540 \*  
 X\_12\_14 + 596 \* X\_12\_15 + 1722 \* X\_12\_17 + 2726 \* X\_12\_18 + 2018 \*  
 X\_12\_19 + 860 \*  
 X\_12\_20 + 2210 \* X\_12\_21 + 1540 \* X\_12\_25 + 596 \* X\_12\_27 + 1086 \*  
 X\_12\_28 + 1722

\* X\_12\_29 + 820 \* X\_12\_30 + 2210 \* X\_12\_32 + 2726 \* X\_12\_33 + 2018 \* X\_12\_34 +  
 2210 \* X\_12\_35 + 860 \* X\_12\_36 + 1122 \* X\_12\_37 + 2210 \* X\_12\_43 + 596 \* X\_12\_44 +  
 1540 \* X\_12\_45 + 1722 \* X\_12\_46 + 1086 \* X\_12\_47 + 820 \* X\_12\_48 + 2018 \* X\_12\_49  
 + 2726 \* X\_12\_50 + 1122 \* X\_12\_51 + 860 \* X\_12\_52 + 2210 \* X\_12\_53 + 1540 \*  
 X\_12\_57 + 2018 \* X\_12\_58 + 2210 \* X\_12\_60 + 820 \* X\_12\_61 + 1722 \* X\_12\_62 + 1086  
 \* X\_12\_64 + 596 \* X\_12\_65 + 1122 \* X\_12\_66 + 2210 \* X\_12\_67 + 2726 \* X\_12\_69 + 860  
 \* X\_12\_72 + 1722 \* X\_12\_73 + 820 \* X\_12\_74 + 1086 \* X\_12\_76 + 2018 \* X\_12\_78 +  
 2210 \* X\_12\_79 + 1540 \* X\_12\_80 + 2726 \* X\_12\_82 + 1122 \* X\_12\_83 + 596 \* X\_12\_85  
 + 860 \* X\_12\_86 + 2210 \* X\_12\_87 + 1086 \* X\_12\_91 + 1722 \* X\_12\_92 + 2210 \*  
 X\_12\_93 + 2018 \* X\_12\_95 + 820 \* X\_12\_96 + 596 \* X\_12\_97 + 1122 \* X\_12\_98 + 2726 \*  
 X\_12\_100 + 860 \* X\_12\_102 + 2210 \* X\_12\_103 + 1540 \* X\_12\_104 + 1722 \* X\_12\_105 +  
 820 \* X\_12\_106 + 1086 \* X\_12\_107 + 2018 \* X\_12\_109 + 2210 \* X\_12\_111 + 1540 \*  
 X\_12\_113 + 2210 \* X\_12\_114 + 2726 \* X\_12\_115 + 1122 \* X\_12\_118 + 596 \* X\_12\_119 +  
 860 \* X\_12\_120 + 596 \* X\_12\_121 + 820 \* X\_12\_122 + 2210 \* X\_12\_124 + 1540 \*  
 X\_12\_125 + 1122 \* X\_12\_127 + 860 \* X\_12\_128 + 2210 \* X\_12\_129 + 1086 \* X\_12\_131 +  
 2726 \* X\_12\_132 + 1722 \* X\_12\_133 + 2018 \* X\_12\_134 + 1086 \* X\_12\_137 + 1122 \*  
 X\_12\_140 + 1540 \* X\_12\_141 + 820 \* X\_12\_142 + 2210 \* X\_12\_143 + 596 \* X\_12\_144 +  
 860 \* X\_12\_146 + 2726 \* X\_12\_147 + 1122 \* X\_12\_149 + 2018 \* X\_12\_150 + 2210 \*  
 X\_12\_151 + 2210 \* X\_12\_153 + 1086 \* X\_12\_154 + 820 \* X\_12\_155 + 596 \* X\_12\_156 +  
 1722 \* X\_12\_159 + 1540 \* X\_12\_160 + 860 \* X\_12\_163 + 1122 \* X\_12\_164 + 2726 \*  
 X\_12\_165 + 2018 \* X\_12\_166 + 2210 \* X\_12\_167 + 2210 \* X\_12\_171 + 1540 \* X\_12\_172 +  
 1722 \* X\_12\_173 + 596 \* X\_12\_174 + 820 \* X\_12\_175 + 1086 \* X\_12\_176 + 1122 \*  
 X\_12\_177 + 2726 \* X\_12\_178 + 860 \* X\_12\_179 + 596 \* X\_12\_181 + 2210 \* X\_12\_183 +  
 2210 \* X\_12\_185 + 2018 \* X\_12\_187 + 1540 \* X\_12\_188 + 1086 \* X\_12\_189 + 1722 \*  
 X\_12\_191 + 820 \* X\_12\_192 + 860 \* X\_12\_193 + 1122 \* X\_12\_194 + 2210 \* X\_12\_196 +  
 2726 \* X\_12\_197 + 596 \* X\_12\_200 + 2018 \* X\_12\_201 + 1722 \* X\_12\_202 + 1086 \*  
 X\_12\_203 + 820 \* X\_12\_204 + 1540 \* X\_12\_207 + 2210 \* X\_12\_208 + 1122 \* X\_12\_210 +  
 596 \* X\_12\_212 + 2726 \* X\_12\_213 + 2210 \* X\_12\_214 + 860 \* X\_12\_215 + 1540 \*

$X_{12\_216} + 1086 * X_{12\_217} + 2018 * X_{12\_218} + 1722 * X_{12\_221} + 2210$   
 $* X_{12\_222} +$   
 $820 * X_{12\_223} + 2210 * X_{12\_225} + 1540 * X_{12\_227} + 596 * X_{12\_228} +$   
 $860 *$   
 $X_{12\_230} + 1122 * X_{12\_231} + 2726 * X_{12\_232} + 1722 * X_{12\_233} + 820$   
 $* X_{12\_235} +$   
 $1086 * X_{12\_236} + 2210 * X_{12\_237} + 2018 * X_{12\_239} \geq 6750;$   
 $[_{990}] 2210 * X_{13\_1} + 1086 * X_{13\_2} + 1722 * X_{13\_3} + 2018 * X_{13\_4} +$   
 $2726 *$   
 $X_{13\_8} + 2210 * X_{13\_9} + 860 * X_{13\_11} + 1122 * X_{13\_12} + 820 *$   
 $X_{13\_13} + 1540 *$   
 $X_{13\_14} + 596 * X_{13\_15} + 1722 * X_{13\_17} + 2726 * X_{13\_18} + 2018 *$   
 $X_{13\_19} + 860 *$   
 $X_{13\_20} + 2210 * X_{13\_21} + 1540 * X_{13\_25} + 596 * X_{13\_27} + 1086 *$   
 $X_{13\_28} + 1722$   
 $* X_{13\_29} + 820 * X_{13\_30} + 2210 * X_{13\_32} + 2726 * X_{13\_33} + 2018 *$   
 $X_{13\_34} +$   
 $2210 * X_{13\_35} + 860 * X_{13\_36} + 1122 * X_{13\_37} + 2210 * X_{13\_43} +$   
 $596 * X_{13\_44} +$   
 $1540 * X_{13\_45} + 1722 * X_{13\_46} + 1086 * X_{13\_47} + 820 * X_{13\_48} +$   
 $2018 * X_{13\_49}$   
 $+ 2726 * X_{13\_50} + 1122 * X_{13\_51} + 860 * X_{13\_52} + 2210 * X_{13\_53} +$   
 $1540 *$   
 $X_{13\_57} + 2018 * X_{13\_58} + 2210 * X_{13\_60} + 820 * X_{13\_61} + 1722 *$   
 $X_{13\_62} + 1086$   
 $* X_{13\_64} + 596 * X_{13\_65} + 1122 * X_{13\_66} + 2210 * X_{13\_67} + 2726 *$   
 $X_{13\_69} + 860$   
 $* X_{13\_72} + 1722 * X_{13\_73} + 820 * X_{13\_74} + 1086 * X_{13\_76} + 2018 *$   
 $X_{13\_78} +$   
 $2210 * X_{13\_79} + 1540 * X_{13\_80} + 2726 * X_{13\_82} + 1122 * X_{13\_83} +$   
 $596 * X_{13\_85}$   
 $+ 860 * X_{13\_86} + 2210 * X_{13\_87} + 1086 * X_{13\_91} + 1722 * X_{13\_92} +$   
 $2210 *$   
 $X_{13\_93} + 2018 * X_{13\_95} + 820 * X_{13\_96} + 596 * X_{13\_97} + 1122 *$   
 $X_{13\_98} + 2726 *$   
 $X_{13\_100} + 860 * X_{13\_102} + 2210 * X_{13\_103} + 1540 * X_{13\_104} + 1722$   
 $* X_{13\_105} +$   
 $820 * X_{13\_106} + 1086 * X_{13\_107} + 2018 * X_{13\_109} + 2210 * X_{13\_111}$   
 $+ 1540 *$   
 $X_{13\_113} + 2210 * X_{13\_114} + 2726 * X_{13\_115} + 1122 * X_{13\_118} + 596$   
 $* X_{13\_119} +$   
 $860 * X_{13\_120} + 596 * X_{13\_121} + 820 * X_{13\_122} + 2210 * X_{13\_124} +$   
 $1540 *$   
 $X_{13\_125} + 1122 * X_{13\_127} + 860 * X_{13\_128} + 2210 * X_{13\_129} + 1086$   
 $* X_{13\_131} +$   
 $2726 * X_{13\_132} + 1722 * X_{13\_133} + 2018 * X_{13\_134} + 1086 * X_{13\_137}$   
 $+ 1122 *$   
 $X_{13\_140} + 1540 * X_{13\_141} + 820 * X_{13\_142} + 2210 * X_{13\_143} + 596 *$   
 $X_{13\_144} +$   
 $860 * X_{13\_146} + 2726 * X_{13\_147} + 1122 * X_{13\_149} + 2018 * X_{13\_150}$   
 $+ 2210 *$   
 $X_{13\_151} + 2210 * X_{13\_153} + 1086 * X_{13\_154} + 820 * X_{13\_155} + 596 *$   
 $X_{13\_156} +$   
 $1722 * X_{13\_159} + 1540 * X_{13\_160} + 860 * X_{13\_163} + 1122 * X_{13\_164}$   
 $+ 2726 *$   
 $X_{13\_165} + 2018 * X_{13\_166} + 2210 * X_{13\_167} + 2210 * X_{13\_171} + 1540$   
 $* X_{13\_172} +$



1722 \* X\_13\_173 + 596 \* X\_13\_174 + 820 \* X\_13\_175 + 1086 \* X\_13\_176 +  
 1122 \*  
 X\_13\_177 + 2726 \* X\_13\_178 + 860 \* X\_13\_179 + 596 \* X\_13\_181 + 2210 \*  
 X\_13\_183 +  
 2210 \* X\_13\_185 + 2018 \* X\_13\_187 + 1540 \* X\_13\_188 + 1086 \* X\_13\_189  
 + 1722 \*  
 X\_13\_191 + 820 \* X\_13\_192 + 860 \* X\_13\_193 + 1122 \* X\_13\_194 + 2210 \*  
 X\_13\_196 +  
 2726 \* X\_13\_197 + 596 \* X\_13\_200 + 2018 \* X\_13\_201 + 1722 \* X\_13\_202  
 + 1086 \*  
 X\_13\_203 + 820 \* X\_13\_204 + 1540 \* X\_13\_207 + 2210 \* X\_13\_208 + 1122  
 \* X\_13\_210 +  
 596 \* X\_13\_212 + 2726 \* X\_13\_213 + 2210 \* X\_13\_214 + 860 \* X\_13\_215 +  
 1540 \*  
 X\_13\_216 + 1086 \* X\_13\_217 + 2018 \* X\_13\_218 + 1722 \* X\_13\_221 + 2210  
 \* X\_13\_222 +  
 820 \* X\_13\_223 + 2210 \* X\_13\_225 + 1540 \* X\_13\_227 + 596 \* X\_13\_228 +  
 860 \*  
 X\_13\_230 + 1122 \* X\_13\_231 + 2726 \* X\_13\_232 + 1722 \* X\_13\_233 + 820  
 \* X\_13\_235 +  
 1086 \* X\_13\_236 + 2210 \* X\_13\_237 + 2018 \* X\_13\_239 >= 6750;  
 [\_991] 2210 \* X\_14\_1 + 1086 \* X\_14\_2 + 1722 \* X\_14\_3 + 2018 \* X\_14\_4 +  
 2726 \*  
 X\_14\_8 + 2210 \* X\_14\_9 + 860 \* X\_14\_11 + 1122 \* X\_14\_12 + 820 \*  
 X\_14\_13 + 1540 \*  
 X\_14\_14 + 596 \* X\_14\_15 + 1722 \* X\_14\_17 + 2726 \* X\_14\_18 + 2018 \*  
 X\_14\_19 + 860 \*  
 X\_14\_20 + 2210 \* X\_14\_21 + 1540 \* X\_14\_25 + 596 \* X\_14\_27 + 1086 \*  
 X\_14\_28 + 1722  
 \* X\_14\_29 + 820 \* X\_14\_30 + 2210 \* X\_14\_32 + 2726 \* X\_14\_33 + 2018 \*  
 X\_14\_34 +  
 2210 \* X\_14\_35 + 860 \* X\_14\_36 + 1122 \* X\_14\_37 + 2210 \* X\_14\_43 +  
 596 \* X\_14\_44 +  
 1540 \* X\_14\_45 + 1722 \* X\_14\_46 + 1086 \* X\_14\_47 + 820 \* X\_14\_48 +  
 2018 \* X\_14\_49  
 + 2726 \* X\_14\_50 + 1122 \* X\_14\_51 + 860 \* X\_14\_52 + 2210 \* X\_14\_53 +  
 1540 \*  
 X\_14\_57 + 2018 \* X\_14\_58 + 2210 \* X\_14\_60 + 820 \* X\_14\_61 + 1722 \*  
 X\_14\_62 + 1086  
 \* X\_14\_64 + 596 \* X\_14\_65 + 1122 \* X\_14\_66 + 2210 \* X\_14\_67 + 2726 \*  
 X\_14\_69 + 860  
 \* X\_14\_72 + 1722 \* X\_14\_73 + 820 \* X\_14\_74 + 1086 \* X\_14\_76 + 2018 \*  
 X\_14\_78 +  
 2210 \* X\_14\_79 + 1540 \* X\_14\_80 + 2726 \* X\_14\_82 + 1122 \* X\_14\_83 +  
 596 \* X\_14\_85  
 + 860 \* X\_14\_86 + 2210 \* X\_14\_87 + 1086 \* X\_14\_91 + 1722 \* X\_14\_92 +  
 2210 \*  
 X\_14\_93 + 2018 \* X\_14\_95 + 820 \* X\_14\_96 + 596 \* X\_14\_97 + 1122 \*  
 X\_14\_98 + 2726 \*  
 X\_14\_100 + 860 \* X\_14\_102 + 2210 \* X\_14\_103 + 1540 \* X\_14\_104 + 1722  
 \* X\_14\_105 +  
 820 \* X\_14\_106 + 1086 \* X\_14\_107 + 2018 \* X\_14\_109 + 2210 \* X\_14\_111  
 + 1540 \*  
 X\_14\_113 + 2210 \* X\_14\_114 + 2726 \* X\_14\_115 + 1122 \* X\_14\_118 + 596  
 \* X\_14\_119 +  
 860 \* X\_14\_120 + 596 \* X\_14\_121 + 820 \* X\_14\_122 + 2210 \* X\_14\_124 +  
 1540 \*

$X_{14\_125} + 1122 * X_{14\_127} + 860 * X_{14\_128} + 2210 * X_{14\_129} + 1086$   
 $* X_{14\_131} +$   
 $2726 * X_{14\_132} + 1722 * X_{14\_133} + 2018 * X_{14\_134} + 1086 * X_{14\_137}$   
 $+ 1122 *$   
 $X_{14\_140} + 1540 * X_{14\_141} + 820 * X_{14\_142} + 2210 * X_{14\_143} + 596 *$   
 $X_{14\_144} +$   
 $860 * X_{14\_146} + 2726 * X_{14\_147} + 1122 * X_{14\_149} + 2018 * X_{14\_150}$   
 $+ 2210 *$   
 $X_{14\_151} + 2210 * X_{14\_153} + 1086 * X_{14\_154} + 820 * X_{14\_155} + 596 *$   
 $X_{14\_156} +$   
 $1722 * X_{14\_159} + 1540 * X_{14\_160} + 860 * X_{14\_163} + 1122 * X_{14\_164}$   
 $+ 2726 *$   
 $X_{14\_165} + 2018 * X_{14\_166} + 2210 * X_{14\_167} + 2210 * X_{14\_171} + 1540$   
 $* X_{14\_172} +$   
 $1722 * X_{14\_173} + 596 * X_{14\_174} + 820 * X_{14\_175} + 1086 * X_{14\_176} +$   
 $1122 *$   
 $X_{14\_177} + 2726 * X_{14\_178} + 860 * X_{14\_179} + 596 * X_{14\_181} + 2210 *$   
 $X_{14\_183} +$   
 $2210 * X_{14\_185} + 2018 * X_{14\_187} + 1540 * X_{14\_188} + 1086 * X_{14\_189}$   
 $+ 1722 *$   
 $X_{14\_191} + 820 * X_{14\_192} + 860 * X_{14\_193} + 1122 * X_{14\_194} + 2210 *$   
 $X_{14\_196} +$   
 $2726 * X_{14\_197} + 596 * X_{14\_200} + 2018 * X_{14\_201} + 1722 * X_{14\_202}$   
 $+ 1086 *$   
 $X_{14\_203} + 820 * X_{14\_204} + 1540 * X_{14\_207} + 2210 * X_{14\_208} + 1122$   
 $* X_{14\_210} +$   
 $596 * X_{14\_212} + 2726 * X_{14\_213} + 2210 * X_{14\_214} + 860 * X_{14\_215} +$   
 $1540 *$   
 $X_{14\_216} + 1086 * X_{14\_217} + 2018 * X_{14\_218} + 1722 * X_{14\_221} + 2210$   
 $* X_{14\_222} +$   
 $820 * X_{14\_223} + 2210 * X_{14\_225} + 1540 * X_{14\_227} + 596 * X_{14\_228} +$   
 $860 *$   
 $X_{14\_230} + 1122 * X_{14\_231} + 2726 * X_{14\_232} + 1722 * X_{14\_233} + 820$   
 $* X_{14\_235} +$   
 $1086 * X_{14\_236} + 2210 * X_{14\_237} + 2018 * X_{14\_239} >= 6750;$   
 $[\_992] 2210 * X_{15\_1} + 1086 * X_{15\_2} + 1722 * X_{15\_3} + 2018 * X_{15\_4} +$   
 $2726 *$   
 $X_{15\_8} + 2210 * X_{15\_9} + 860 * X_{15\_11} + 1122 * X_{15\_12} + 820 *$   
 $X_{15\_13} + 1540 *$   
 $X_{15\_14} + 596 * X_{15\_15} + 1722 * X_{15\_17} + 2726 * X_{15\_18} + 2018 *$   
 $X_{15\_19} + 860 *$   
 $X_{15\_20} + 2210 * X_{15\_21} + 1540 * X_{15\_25} + 596 * X_{15\_27} + 1086 *$   
 $X_{15\_28} + 1722$   
 $* X_{15\_29} + 820 * X_{15\_30} + 2210 * X_{15\_32} + 2726 * X_{15\_33} + 2018 *$   
 $X_{15\_34} +$   
 $2210 * X_{15\_35} + 860 * X_{15\_36} + 1122 * X_{15\_37} + 2210 * X_{15\_43} +$   
 $596 * X_{15\_44} +$   
 $1540 * X_{15\_45} + 1722 * X_{15\_46} + 1086 * X_{15\_47} + 820 * X_{15\_48} +$   
 $2018 * X_{15\_49}$   
 $+ 2726 * X_{15\_50} + 1122 * X_{15\_51} + 860 * X_{15\_52} + 2210 * X_{15\_53} +$   
 $1540 *$   
 $X_{15\_57} + 2018 * X_{15\_58} + 2210 * X_{15\_60} + 820 * X_{15\_61} + 1722 *$   
 $X_{15\_62} + 1086$   
 $* X_{15\_64} + 596 * X_{15\_65} + 1122 * X_{15\_66} + 2210 * X_{15\_67} + 2726 *$   
 $X_{15\_69} + 860$   
 $* X_{15\_72} + 1722 * X_{15\_73} + 820 * X_{15\_74} + 1086 * X_{15\_76} + 2018 *$   
 $X_{15\_78} +$

2210 \* X\_15\_79 + 1540 \* X\_15\_80 + 2726 \* X\_15\_82 + 1122 \* X\_15\_83 +  
 596 \* X\_15\_85  
 + 860 \* X\_15\_86 + 2210 \* X\_15\_87 + 1086 \* X\_15\_91 + 1722 \* X\_15\_92 +  
 2210 \*  
 X\_15\_93 + 2018 \* X\_15\_95 + 820 \* X\_15\_96 + 596 \* X\_15\_97 + 1122 \*  
 X\_15\_98 + 2726 \*  
 X\_15\_100 + 860 \* X\_15\_102 + 2210 \* X\_15\_103 + 1540 \* X\_15\_104 + 1722  
 \* X\_15\_105 +  
 820 \* X\_15\_106 + 1086 \* X\_15\_107 + 2018 \* X\_15\_109 + 2210 \* X\_15\_111  
 + 1540 \*  
 X\_15\_113 + 2210 \* X\_15\_114 + 2726 \* X\_15\_115 + 1122 \* X\_15\_118 + 596  
 \* X\_15\_119 +  
 860 \* X\_15\_120 + 596 \* X\_15\_121 + 820 \* X\_15\_122 + 2210 \* X\_15\_124 +  
 1540 \*  
 X\_15\_125 + 1122 \* X\_15\_127 + 860 \* X\_15\_128 + 2210 \* X\_15\_129 + 1086  
 \* X\_15\_131 +  
 2726 \* X\_15\_132 + 1722 \* X\_15\_133 + 2018 \* X\_15\_134 + 1086 \* X\_15\_137  
 + 1122 \*  
 X\_15\_140 + 1540 \* X\_15\_141 + 820 \* X\_15\_142 + 2210 \* X\_15\_143 + 596 \*  
 X\_15\_144 +  
 860 \* X\_15\_146 + 2726 \* X\_15\_147 + 1122 \* X\_15\_149 + 2018 \* X\_15\_150  
 + 2210 \*  
 X\_15\_151 + 2210 \* X\_15\_153 + 1086 \* X\_15\_154 + 820 \* X\_15\_155 + 596 \*  
 X\_15\_156 +  
 1722 \* X\_15\_159 + 1540 \* X\_15\_160 + 860 \* X\_15\_163 + 1122 \* X\_15\_164  
 + 2726 \*  
 X\_15\_165 + 2018 \* X\_15\_166 + 2210 \* X\_15\_167 + 2210 \* X\_15\_171 + 1540  
 \* X\_15\_172 +  
 1722 \* X\_15\_173 + 596 \* X\_15\_174 + 820 \* X\_15\_175 + 1086 \* X\_15\_176 +  
 1122 \*  
 X\_15\_177 + 2726 \* X\_15\_178 + 860 \* X\_15\_179 + 596 \* X\_15\_181 + 2210 \*  
 X\_15\_183 +  
 2210 \* X\_15\_185 + 2018 \* X\_15\_187 + 1540 \* X\_15\_188 + 1086 \* X\_15\_189  
 + 1722 \*  
 X\_15\_191 + 820 \* X\_15\_192 + 860 \* X\_15\_193 + 1122 \* X\_15\_194 + 2210 \*  
 X\_15\_196 +  
 2726 \* X\_15\_197 + 596 \* X\_15\_200 + 2018 \* X\_15\_201 + 1722 \* X\_15\_202  
 + 1086 \*  
 X\_15\_203 + 820 \* X\_15\_204 + 1540 \* X\_15\_207 + 2210 \* X\_15\_208 + 1122  
 \* X\_15\_210 +  
 596 \* X\_15\_212 + 2726 \* X\_15\_213 + 2210 \* X\_15\_214 + 860 \* X\_15\_215 +  
 1540 \*  
 X\_15\_216 + 1086 \* X\_15\_217 + 2018 \* X\_15\_218 + 1722 \* X\_15\_221 + 2210  
 \* X\_15\_222 +  
 820 \* X\_15\_223 + 2210 \* X\_15\_225 + 1540 \* X\_15\_227 + 596 \* X\_15\_228 +  
 860 \*  
 X\_15\_230 + 1122 \* X\_15\_231 + 2726 \* X\_15\_232 + 1722 \* X\_15\_233 + 820  
 \* X\_15\_235 +  
 1086 \* X\_15\_236 + 2210 \* X\_15\_237 + 2018 \* X\_15\_239 >= 6750;  
 [\_993] 2210 \* X\_16\_1 + 1086 \* X\_16\_2 + 1722 \* X\_16\_3 + 2018 \* X\_16\_4 +  
 2726 \*  
 X\_16\_8 + 2210 \* X\_16\_9 + 860 \* X\_16\_11 + 1122 \* X\_16\_12 + 820 \*  
 X\_16\_13 + 1540 \*  
 X\_16\_14 + 596 \* X\_16\_15 + 1722 \* X\_16\_17 + 2726 \* X\_16\_18 + 2018 \*  
 X\_16\_19 + 860 \*  
 X\_16\_20 + 2210 \* X\_16\_21 + 1540 \* X\_16\_25 + 596 \* X\_16\_27 + 1086 \*  
 X\_16\_28 + 1722

\* X\_16\_29 + 820 \* X\_16\_30 + 2210 \* X\_16\_32 + 2726 \* X\_16\_33 + 2018 \*  
 X\_16\_34 +  
 2210 \* X\_16\_35 + 860 \* X\_16\_36 + 1122 \* X\_16\_37 + 2210 \* X\_16\_43 +  
 596 \* X\_16\_44 +  
 1540 \* X\_16\_45 + 1722 \* X\_16\_46 + 1086 \* X\_16\_47 + 820 \* X\_16\_48 +  
 2018 \* X\_16\_49  
 + 2726 \* X\_16\_50 + 1122 \* X\_16\_51 + 860 \* X\_16\_52 + 2210 \* X\_16\_53 +  
 1540 \*  
 X\_16\_57 + 2018 \* X\_16\_58 + 2210 \* X\_16\_60 + 820 \* X\_16\_61 + 1722 \*  
 X\_16\_62 + 1086  
 \* X\_16\_64 + 596 \* X\_16\_65 + 1122 \* X\_16\_66 + 2210 \* X\_16\_67 + 2726 \*  
 X\_16\_69 + 860  
 \* X\_16\_72 + 1722 \* X\_16\_73 + 820 \* X\_16\_74 + 1086 \* X\_16\_76 + 2018 \*  
 X\_16\_78 +  
 2210 \* X\_16\_79 + 1540 \* X\_16\_80 + 2726 \* X\_16\_82 + 1122 \* X\_16\_83 +  
 596 \* X\_16\_85  
 + 860 \* X\_16\_86 + 2210 \* X\_16\_87 + 1086 \* X\_16\_91 + 1722 \* X\_16\_92 +  
 2210 \*  
 X\_16\_93 + 2018 \* X\_16\_95 + 820 \* X\_16\_96 + 596 \* X\_16\_97 + 1122 \*  
 X\_16\_98 + 2726 \*  
 X\_16\_100 + 860 \* X\_16\_102 + 2210 \* X\_16\_103 + 1540 \* X\_16\_104 + 1722  
 \* X\_16\_105 +  
 820 \* X\_16\_106 + 1086 \* X\_16\_107 + 2018 \* X\_16\_109 + 2210 \* X\_16\_111  
 + 1540 \*  
 X\_16\_113 + 2210 \* X\_16\_114 + 2726 \* X\_16\_115 + 1122 \* X\_16\_118 + 596  
 \* X\_16\_119 +  
 860 \* X\_16\_120 + 596 \* X\_16\_121 + 820 \* X\_16\_122 + 2210 \* X\_16\_124 +  
 1540 \*  
 X\_16\_125 + 1122 \* X\_16\_127 + 860 \* X\_16\_128 + 2210 \* X\_16\_129 + 1086  
 \* X\_16\_131 +  
 2726 \* X\_16\_132 + 1722 \* X\_16\_133 + 2018 \* X\_16\_134 + 1086 \* X\_16\_137  
 + 1122 \*  
 X\_16\_140 + 1540 \* X\_16\_141 + 820 \* X\_16\_142 + 2210 \* X\_16\_143 + 596 \*  
 X\_16\_144 +  
 860 \* X\_16\_146 + 2726 \* X\_16\_147 + 1122 \* X\_16\_149 + 2018 \* X\_16\_150  
 + 2210 \*  
 X\_16\_151 + 2210 \* X\_16\_153 + 1086 \* X\_16\_154 + 820 \* X\_16\_155 + 596 \*  
 X\_16\_156 +  
 1722 \* X\_16\_159 + 1540 \* X\_16\_160 + 860 \* X\_16\_163 + 1122 \* X\_16\_164  
 + 2726 \*  
 X\_16\_165 + 2018 \* X\_16\_166 + 2210 \* X\_16\_167 + 2210 \* X\_16\_171 + 1540  
 \* X\_16\_172 +  
 1722 \* X\_16\_173 + 596 \* X\_16\_174 + 820 \* X\_16\_175 + 1086 \* X\_16\_176 +  
 1122 \*  
 X\_16\_177 + 2726 \* X\_16\_178 + 860 \* X\_16\_179 + 596 \* X\_16\_181 + 2210 \*  
 X\_16\_183 +  
 2210 \* X\_16\_185 + 2018 \* X\_16\_187 + 1540 \* X\_16\_188 + 1086 \* X\_16\_189  
 + 1722 \*  
 X\_16\_191 + 820 \* X\_16\_192 + 860 \* X\_16\_193 + 1122 \* X\_16\_194 + 2210 \*  
 X\_16\_196 +  
 2726 \* X\_16\_197 + 596 \* X\_16\_200 + 2018 \* X\_16\_201 + 1722 \* X\_16\_202  
 + 1086 \*  
 X\_16\_203 + 820 \* X\_16\_204 + 1540 \* X\_16\_207 + 2210 \* X\_16\_208 + 1122  
 \* X\_16\_210 +  
 596 \* X\_16\_212 + 2726 \* X\_16\_213 + 2210 \* X\_16\_214 + 860 \* X\_16\_215 +  
 1540 \*

$X_{16\_216} + 1086 * X_{16\_217} + 2018 * X_{16\_218} + 1722 * X_{16\_221} + 2210$   
 $* X_{16\_222} +$   
 $820 * X_{16\_223} + 2210 * X_{16\_225} + 1540 * X_{16\_227} + 596 * X_{16\_228} +$   
 $860 *$   
 $X_{16\_230} + 1122 * X_{16\_231} + 2726 * X_{16\_232} + 1722 * X_{16\_233} + 820$   
 $* X_{16\_235} +$   
 $1086 * X_{16\_236} + 2210 * X_{16\_237} + 2018 * X_{16\_239} \geq 6750;$   
 $[_{994}] 2210 * X_{17\_1} + 1086 * X_{17\_2} + 1722 * X_{17\_3} + 2018 * X_{17\_4} +$   
 $2726 *$   
 $X_{17\_8} + 2210 * X_{17\_9} + 860 * X_{17\_11} + 1122 * X_{17\_12} + 820 *$   
 $X_{17\_13} + 1540 *$   
 $X_{17\_14} + 596 * X_{17\_15} + 1722 * X_{17\_17} + 2726 * X_{17\_18} + 2018 *$   
 $X_{17\_19} + 860 *$   
 $X_{17\_20} + 2210 * X_{17\_21} + 1540 * X_{17\_25} + 596 * X_{17\_27} + 1086 *$   
 $X_{17\_28} + 1722$   
 $* X_{17\_29} + 820 * X_{17\_30} + 2210 * X_{17\_32} + 2726 * X_{17\_33} + 2018 *$   
 $X_{17\_34} +$   
 $2210 * X_{17\_35} + 860 * X_{17\_36} + 1122 * X_{17\_37} + 2210 * X_{17\_43} +$   
 $596 * X_{17\_44} +$   
 $1540 * X_{17\_45} + 1722 * X_{17\_46} + 1086 * X_{17\_47} + 820 * X_{17\_48} +$   
 $2018 * X_{17\_49}$   
 $+ 2726 * X_{17\_50} + 1122 * X_{17\_51} + 860 * X_{17\_52} + 2210 * X_{17\_53} +$   
 $1540 *$   
 $X_{17\_57} + 2018 * X_{17\_58} + 2210 * X_{17\_60} + 820 * X_{17\_61} + 1722 *$   
 $X_{17\_62} + 1086$   
 $* X_{17\_64} + 596 * X_{17\_65} + 1122 * X_{17\_66} + 2210 * X_{17\_67} + 2726 *$   
 $X_{17\_69} + 860$   
 $* X_{17\_72} + 1722 * X_{17\_73} + 820 * X_{17\_74} + 1086 * X_{17\_76} + 2018 *$   
 $X_{17\_78} +$   
 $2210 * X_{17\_79} + 1540 * X_{17\_80} + 2726 * X_{17\_82} + 1122 * X_{17\_83} +$   
 $596 * X_{17\_85}$   
 $+ 860 * X_{17\_86} + 2210 * X_{17\_87} + 1086 * X_{17\_91} + 1722 * X_{17\_92} +$   
 $2210 *$   
 $X_{17\_93} + 2018 * X_{17\_95} + 820 * X_{17\_96} + 596 * X_{17\_97} + 1122 *$   
 $X_{17\_98} + 2726 *$   
 $X_{17\_100} + 860 * X_{17\_102} + 2210 * X_{17\_103} + 1540 * X_{17\_104} + 1722$   
 $* X_{17\_105} +$   
 $820 * X_{17\_106} + 1086 * X_{17\_107} + 2018 * X_{17\_109} + 2210 * X_{17\_111}$   
 $+ 1540 *$   
 $X_{17\_113} + 2210 * X_{17\_114} + 2726 * X_{17\_115} + 1122 * X_{17\_118} + 596$   
 $* X_{17\_119} +$   
 $860 * X_{17\_120} + 596 * X_{17\_121} + 820 * X_{17\_122} + 2210 * X_{17\_124} +$   
 $1540 *$   
 $X_{17\_125} + 1122 * X_{17\_127} + 860 * X_{17\_128} + 2210 * X_{17\_129} + 1086$   
 $* X_{17\_131} +$   
 $2726 * X_{17\_132} + 1722 * X_{17\_133} + 2018 * X_{17\_134} + 1086 * X_{17\_137}$   
 $+ 1122 *$   
 $X_{17\_140} + 1540 * X_{17\_141} + 820 * X_{17\_142} + 2210 * X_{17\_143} + 596 *$   
 $X_{17\_144} +$   
 $860 * X_{17\_146} + 2726 * X_{17\_147} + 1122 * X_{17\_149} + 2018 * X_{17\_150}$   
 $+ 2210 *$   
 $X_{17\_151} + 2210 * X_{17\_153} + 1086 * X_{17\_154} + 820 * X_{17\_155} + 596 *$   
 $X_{17\_156} +$   
 $1722 * X_{17\_159} + 1540 * X_{17\_160} + 860 * X_{17\_163} + 1122 * X_{17\_164}$   
 $+ 2726 *$   
 $X_{17\_165} + 2018 * X_{17\_166} + 2210 * X_{17\_167} + 2210 * X_{17\_171} + 1540$   
 $* X_{17\_172} +$

1722 \* X\_17\_173 + 596 \* X\_17\_174 + 820 \* X\_17\_175 + 1086 \* X\_17\_176 +  
 1122 \*  
 X\_17\_177 + 2726 \* X\_17\_178 + 860 \* X\_17\_179 + 596 \* X\_17\_181 + 2210 \*  
 X\_17\_183 +  
 2210 \* X\_17\_185 + 2018 \* X\_17\_187 + 1540 \* X\_17\_188 + 1086 \* X\_17\_189  
 + 1722 \*  
 X\_17\_191 + 820 \* X\_17\_192 + 860 \* X\_17\_193 + 1122 \* X\_17\_194 + 2210 \*  
 X\_17\_196 +  
 2726 \* X\_17\_197 + 596 \* X\_17\_200 + 2018 \* X\_17\_201 + 1722 \* X\_17\_202  
 + 1086 \*  
 X\_17\_203 + 820 \* X\_17\_204 + 1540 \* X\_17\_207 + 2210 \* X\_17\_208 + 1122  
 \* X\_17\_210 +  
 596 \* X\_17\_212 + 2726 \* X\_17\_213 + 2210 \* X\_17\_214 + 860 \* X\_17\_215 +  
 1540 \*  
 X\_17\_216 + 1086 \* X\_17\_217 + 2018 \* X\_17\_218 + 1722 \* X\_17\_221 + 2210  
 \* X\_17\_222 +  
 820 \* X\_17\_223 + 2210 \* X\_17\_225 + 1540 \* X\_17\_227 + 596 \* X\_17\_228 +  
 860 \*  
 X\_17\_230 + 1122 \* X\_17\_231 + 2726 \* X\_17\_232 + 1722 \* X\_17\_233 + 820  
 \* X\_17\_235 +  
 1086 \* X\_17\_236 + 2210 \* X\_17\_237 + 2018 \* X\_17\_239 >= 6750;  
 [\_995] 2210 \* X\_18\_1 + 1086 \* X\_18\_2 + 1722 \* X\_18\_3 + 2018 \* X\_18\_4 +  
 2726 \*  
 X\_18\_8 + 2210 \* X\_18\_9 + 860 \* X\_18\_11 + 1122 \* X\_18\_12 + 820 \*  
 X\_18\_13 + 1540 \*  
 X\_18\_14 + 596 \* X\_18\_15 + 1722 \* X\_18\_17 + 2726 \* X\_18\_18 + 2018 \*  
 X\_18\_19 + 860 \*  
 X\_18\_20 + 2210 \* X\_18\_21 + 1540 \* X\_18\_25 + 596 \* X\_18\_27 + 1086 \*  
 X\_18\_28 + 1722  
 \* X\_18\_29 + 820 \* X\_18\_30 + 2210 \* X\_18\_32 + 2726 \* X\_18\_33 + 2018 \*  
 X\_18\_34 +  
 2210 \* X\_18\_35 + 860 \* X\_18\_36 + 1122 \* X\_18\_37 + 2210 \* X\_18\_43 +  
 596 \* X\_18\_44 +  
 1540 \* X\_18\_45 + 1722 \* X\_18\_46 + 1086 \* X\_18\_47 + 820 \* X\_18\_48 +  
 2018 \* X\_18\_49  
 + 2726 \* X\_18\_50 + 1122 \* X\_18\_51 + 860 \* X\_18\_52 + 2210 \* X\_18\_53 +  
 1540 \*  
 X\_18\_57 + 2018 \* X\_18\_58 + 2210 \* X\_18\_60 + 820 \* X\_18\_61 + 1722 \*  
 X\_18\_62 + 1086  
 \* X\_18\_64 + 596 \* X\_18\_65 + 1122 \* X\_18\_66 + 2210 \* X\_18\_67 + 2726 \*  
 X\_18\_69 + 860  
 \* X\_18\_72 + 1722 \* X\_18\_73 + 820 \* X\_18\_74 + 1086 \* X\_18\_76 + 2018 \*  
 X\_18\_78 +  
 2210 \* X\_18\_79 + 1540 \* X\_18\_80 + 2726 \* X\_18\_82 + 1122 \* X\_18\_83 +  
 596 \* X\_18\_85  
 + 860 \* X\_18\_86 + 2210 \* X\_18\_87 + 1086 \* X\_18\_91 + 1722 \* X\_18\_92 +  
 2210 \*  
 X\_18\_93 + 2018 \* X\_18\_95 + 820 \* X\_18\_96 + 596 \* X\_18\_97 + 1122 \*  
 X\_18\_98 + 2726 \*  
 X\_18\_100 + 860 \* X\_18\_102 + 2210 \* X\_18\_103 + 1540 \* X\_18\_104 + 1722  
 \* X\_18\_105 +  
 820 \* X\_18\_106 + 1086 \* X\_18\_107 + 2018 \* X\_18\_109 + 2210 \* X\_18\_111  
 + 1540 \*  
 X\_18\_113 + 2210 \* X\_18\_114 + 2726 \* X\_18\_115 + 1122 \* X\_18\_118 + 596  
 \* X\_18\_119 +  
 860 \* X\_18\_120 + 596 \* X\_18\_121 + 820 \* X\_18\_122 + 2210 \* X\_18\_124 +  
 1540 \*

$X_{18\_125} + 1122 * X_{18\_127} + 860 * X_{18\_128} + 2210 * X_{18\_129} + 1086$   
 $* X_{18\_131} +$   
 $2726 * X_{18\_132} + 1722 * X_{18\_133} + 2018 * X_{18\_134} + 1086 * X_{18\_137}$   
 $+ 1122 *$   
 $X_{18\_140} + 1540 * X_{18\_141} + 820 * X_{18\_142} + 2210 * X_{18\_143} + 596 *$   
 $X_{18\_144} +$   
 $860 * X_{18\_146} + 2726 * X_{18\_147} + 1122 * X_{18\_149} + 2018 * X_{18\_150}$   
 $+ 2210 *$   
 $X_{18\_151} + 2210 * X_{18\_153} + 1086 * X_{18\_154} + 820 * X_{18\_155} + 596 *$   
 $X_{18\_156} +$   
 $1722 * X_{18\_159} + 1540 * X_{18\_160} + 860 * X_{18\_163} + 1122 * X_{18\_164}$   
 $+ 2726 *$   
 $X_{18\_165} + 2018 * X_{18\_166} + 2210 * X_{18\_167} + 2210 * X_{18\_171} + 1540$   
 $* X_{18\_172} +$   
 $1722 * X_{18\_173} + 596 * X_{18\_174} + 820 * X_{18\_175} + 1086 * X_{18\_176} +$   
 $1122 *$   
 $X_{18\_177} + 2726 * X_{18\_178} + 860 * X_{18\_179} + 596 * X_{18\_181} + 2210 *$   
 $X_{18\_183} +$   
 $2210 * X_{18\_185} + 2018 * X_{18\_187} + 1540 * X_{18\_188} + 1086 * X_{18\_189}$   
 $+ 1722 *$   
 $X_{18\_191} + 820 * X_{18\_192} + 860 * X_{18\_193} + 1122 * X_{18\_194} + 2210 *$   
 $X_{18\_196} +$   
 $2726 * X_{18\_197} + 596 * X_{18\_200} + 2018 * X_{18\_201} + 1722 * X_{18\_202}$   
 $+ 1086 *$   
 $X_{18\_203} + 820 * X_{18\_204} + 1540 * X_{18\_207} + 2210 * X_{18\_208} + 1122$   
 $* X_{18\_210} +$   
 $596 * X_{18\_212} + 2726 * X_{18\_213} + 2210 * X_{18\_214} + 860 * X_{18\_215} +$   
 $1540 *$   
 $X_{18\_216} + 1086 * X_{18\_217} + 2018 * X_{18\_218} + 1722 * X_{18\_221} + 2210$   
 $* X_{18\_222} +$   
 $820 * X_{18\_223} + 2210 * X_{18\_225} + 1540 * X_{18\_227} + 596 * X_{18\_228} +$   
 $860 *$   
 $X_{18\_230} + 1122 * X_{18\_231} + 2726 * X_{18\_232} + 1722 * X_{18\_233} + 820$   
 $* X_{18\_235} +$   
 $1086 * X_{18\_236} + 2210 * X_{18\_237} + 2018 * X_{18\_239} \geq 6750;$   
 $[\_996] 2210 * X_{19\_1} + 1086 * X_{19\_2} + 1722 * X_{19\_3} + 2018 * X_{19\_4} +$   
 $2726 *$   
 $X_{19\_8} + 2210 * X_{19\_9} + 860 * X_{19\_11} + 1122 * X_{19\_12} + 820 *$   
 $X_{19\_13} + 1540 *$   
 $X_{19\_14} + 596 * X_{19\_15} + 1722 * X_{19\_17} + 2726 * X_{19\_18} + 2018 *$   
 $X_{19\_19} + 860 *$   
 $X_{19\_20} + 2210 * X_{19\_21} + 1540 * X_{19\_25} + 596 * X_{19\_27} + 1086 *$   
 $X_{19\_28} + 1722$   
 $* X_{19\_29} + 820 * X_{19\_30} + 2210 * X_{19\_32} + 2726 * X_{19\_33} + 2018 *$   
 $X_{19\_34} +$   
 $2210 * X_{19\_35} + 860 * X_{19\_36} + 1122 * X_{19\_37} + 2210 * X_{19\_43} +$   
 $596 * X_{19\_44} +$   
 $1540 * X_{19\_45} + 1722 * X_{19\_46} + 1086 * X_{19\_47} + 820 * X_{19\_48} +$   
 $2018 * X_{19\_49}$   
 $+ 2726 * X_{19\_50} + 1122 * X_{19\_51} + 860 * X_{19\_52} + 2210 * X_{19\_53} +$   
 $1540 *$   
 $X_{19\_57} + 2018 * X_{19\_58} + 2210 * X_{19\_60} + 820 * X_{19\_61} + 1722 *$   
 $X_{19\_62} + 1086$   
 $* X_{19\_64} + 596 * X_{19\_65} + 1122 * X_{19\_66} + 2210 * X_{19\_67} + 2726 *$   
 $X_{19\_69} + 860$   
 $* X_{19\_72} + 1722 * X_{19\_73} + 820 * X_{19\_74} + 1086 * X_{19\_76} + 2018 *$   
 $X_{19\_78} +$

2210 \* X\_19\_79 + 1540 \* X\_19\_80 + 2726 \* X\_19\_82 + 1122 \* X\_19\_83 +  
 596 \* X\_19\_85  
 + 860 \* X\_19\_86 + 2210 \* X\_19\_87 + 1086 \* X\_19\_91 + 1722 \* X\_19\_92 +  
 2210 \*  
 X\_19\_93 + 2018 \* X\_19\_95 + 820 \* X\_19\_96 + 596 \* X\_19\_97 + 1122 \*  
 X\_19\_98 + 2726 \*  
 X\_19\_100 + 860 \* X\_19\_102 + 2210 \* X\_19\_103 + 1540 \* X\_19\_104 + 1722  
 \* X\_19\_105 +  
 820 \* X\_19\_106 + 1086 \* X\_19\_107 + 2018 \* X\_19\_109 + 2210 \* X\_19\_111  
 + 1540 \*  
 X\_19\_113 + 2210 \* X\_19\_114 + 2726 \* X\_19\_115 + 1122 \* X\_19\_118 + 596  
 \* X\_19\_119 +  
 860 \* X\_19\_120 + 596 \* X\_19\_121 + 820 \* X\_19\_122 + 2210 \* X\_19\_124 +  
 1540 \*  
 X\_19\_125 + 1122 \* X\_19\_127 + 860 \* X\_19\_128 + 2210 \* X\_19\_129 + 1086  
 \* X\_19\_131 +  
 2726 \* X\_19\_132 + 1722 \* X\_19\_133 + 2018 \* X\_19\_134 + 1086 \* X\_19\_137  
 + 1122 \*  
 X\_19\_140 + 1540 \* X\_19\_141 + 820 \* X\_19\_142 + 2210 \* X\_19\_143 + 596 \*  
 X\_19\_144 +  
 860 \* X\_19\_146 + 2726 \* X\_19\_147 + 1122 \* X\_19\_149 + 2018 \* X\_19\_150  
 + 2210 \*  
 X\_19\_151 + 2210 \* X\_19\_153 + 1086 \* X\_19\_154 + 820 \* X\_19\_155 + 596 \*  
 X\_19\_156 +  
 1722 \* X\_19\_159 + 1540 \* X\_19\_160 + 860 \* X\_19\_163 + 1122 \* X\_19\_164  
 + 2726 \*  
 X\_19\_165 + 2018 \* X\_19\_166 + 2210 \* X\_19\_167 + 2210 \* X\_19\_171 + 1540  
 \* X\_19\_172 +  
 1722 \* X\_19\_173 + 596 \* X\_19\_174 + 820 \* X\_19\_175 + 1086 \* X\_19\_176 +  
 1122 \*  
 X\_19\_177 + 2726 \* X\_19\_178 + 860 \* X\_19\_179 + 596 \* X\_19\_181 + 2210 \*  
 X\_19\_183 +  
 2210 \* X\_19\_185 + 2018 \* X\_19\_187 + 1540 \* X\_19\_188 + 1086 \* X\_19\_189  
 + 1722 \*  
 X\_19\_191 + 820 \* X\_19\_192 + 860 \* X\_19\_193 + 1122 \* X\_19\_194 + 2210 \*  
 X\_19\_196 +  
 2726 \* X\_19\_197 + 596 \* X\_19\_200 + 2018 \* X\_19\_201 + 1722 \* X\_19\_202  
 + 1086 \*  
 X\_19\_203 + 820 \* X\_19\_204 + 1540 \* X\_19\_207 + 2210 \* X\_19\_208 + 1122  
 \* X\_19\_210 +  
 596 \* X\_19\_212 + 2726 \* X\_19\_213 + 2210 \* X\_19\_214 + 860 \* X\_19\_215 +  
 1540 \*  
 X\_19\_216 + 1086 \* X\_19\_217 + 2018 \* X\_19\_218 + 1722 \* X\_19\_221 + 2210  
 \* X\_19\_222 +  
 820 \* X\_19\_223 + 2210 \* X\_19\_225 + 1540 \* X\_19\_227 + 596 \* X\_19\_228 +  
 860 \*  
 X\_19\_230 + 1122 \* X\_19\_231 + 2726 \* X\_19\_232 + 1722 \* X\_19\_233 + 820  
 \* X\_19\_235 +  
 1086 \* X\_19\_236 + 2210 \* X\_19\_237 + 2018 \* X\_19\_239 >= 6750;  
 [\_997] 2210 \* X\_20\_1 + 1086 \* X\_20\_2 + 1722 \* X\_20\_3 + 2018 \* X\_20\_4 +  
 2726 \*  
 X\_20\_8 + 2210 \* X\_20\_9 + 860 \* X\_20\_11 + 1122 \* X\_20\_12 + 820 \*  
 X\_20\_13 + 1540 \*  
 X\_20\_14 + 596 \* X\_20\_15 + 1722 \* X\_20\_17 + 2726 \* X\_20\_18 + 2018 \*  
 X\_20\_19 + 860 \*  
 X\_20\_20 + 2210 \* X\_20\_21 + 1540 \* X\_20\_25 + 596 \* X\_20\_27 + 1086 \*  
 X\_20\_28 + 1722



\* X\_20\_29 + 820 \* X\_20\_30 + 2210 \* X\_20\_32 + 2726 \* X\_20\_33 + 2018 \*  
 X\_20\_34 +  
 2210 \* X\_20\_35 + 860 \* X\_20\_36 + 1122 \* X\_20\_37 + 2210 \* X\_20\_43 +  
 596 \* X\_20\_44 +  
 1540 \* X\_20\_45 + 1722 \* X\_20\_46 + 1086 \* X\_20\_47 + 820 \* X\_20\_48 +  
 2018 \* X\_20\_49  
 + 2726 \* X\_20\_50 + 1122 \* X\_20\_51 + 860 \* X\_20\_52 + 2210 \* X\_20\_53 +  
 1540 \*  
 X\_20\_57 + 2018 \* X\_20\_58 + 2210 \* X\_20\_60 + 820 \* X\_20\_61 + 1722 \*  
 X\_20\_62 + 1086  
 \* X\_20\_64 + 596 \* X\_20\_65 + 1122 \* X\_20\_66 + 2210 \* X\_20\_67 + 2726 \*  
 X\_20\_69 + 860  
 \* X\_20\_72 + 1722 \* X\_20\_73 + 820 \* X\_20\_74 + 1086 \* X\_20\_76 + 2018 \*  
 X\_20\_78 +  
 2210 \* X\_20\_79 + 1540 \* X\_20\_80 + 2726 \* X\_20\_82 + 1122 \* X\_20\_83 +  
 596 \* X\_20\_85  
 + 860 \* X\_20\_86 + 2210 \* X\_20\_87 + 1086 \* X\_20\_91 + 1722 \* X\_20\_92 +  
 2210 \*  
 X\_20\_93 + 2018 \* X\_20\_95 + 820 \* X\_20\_96 + 596 \* X\_20\_97 + 1122 \*  
 X\_20\_98 + 2726 \*  
 X\_20\_100 + 860 \* X\_20\_102 + 2210 \* X\_20\_103 + 1540 \* X\_20\_104 + 1722  
 \* X\_20\_105 +  
 820 \* X\_20\_106 + 1086 \* X\_20\_107 + 2018 \* X\_20\_109 + 2210 \* X\_20\_111  
 + 1540 \*  
 X\_20\_113 + 2210 \* X\_20\_114 + 2726 \* X\_20\_115 + 1122 \* X\_20\_118 + 596  
 \* X\_20\_119 +  
 860 \* X\_20\_120 + 596 \* X\_20\_121 + 820 \* X\_20\_122 + 2210 \* X\_20\_124 +  
 1540 \*  
 X\_20\_125 + 1122 \* X\_20\_127 + 860 \* X\_20\_128 + 2210 \* X\_20\_129 + 1086  
 \* X\_20\_131 +  
 2726 \* X\_20\_132 + 1722 \* X\_20\_133 + 2018 \* X\_20\_134 + 1086 \* X\_20\_137  
 + 1122 \*  
 X\_20\_140 + 1540 \* X\_20\_141 + 820 \* X\_20\_142 + 2210 \* X\_20\_143 + 596 \*  
 X\_20\_144 +  
 860 \* X\_20\_146 + 2726 \* X\_20\_147 + 1122 \* X\_20\_149 + 2018 \* X\_20\_150  
 + 2210 \*  
 X\_20\_151 + 2210 \* X\_20\_153 + 1086 \* X\_20\_154 + 820 \* X\_20\_155 + 596 \*  
 X\_20\_156 +  
 1722 \* X\_20\_159 + 1540 \* X\_20\_160 + 860 \* X\_20\_163 + 1122 \* X\_20\_164  
 + 2726 \*  
 X\_20\_165 + 2018 \* X\_20\_166 + 2210 \* X\_20\_167 + 2210 \* X\_20\_171 + 1540  
 \* X\_20\_172 +  
 1722 \* X\_20\_173 + 596 \* X\_20\_174 + 820 \* X\_20\_175 + 1086 \* X\_20\_176 +  
 1122 \*  
 X\_20\_177 + 2726 \* X\_20\_178 + 860 \* X\_20\_179 + 596 \* X\_20\_181 + 2210 \*  
 X\_20\_183 +  
 2210 \* X\_20\_185 + 2018 \* X\_20\_187 + 1540 \* X\_20\_188 + 1086 \* X\_20\_189  
 + 1722 \*  
 X\_20\_191 + 820 \* X\_20\_192 + 860 \* X\_20\_193 + 1122 \* X\_20\_194 + 2210 \*  
 X\_20\_196 +  
 2726 \* X\_20\_197 + 596 \* X\_20\_200 + 2018 \* X\_20\_201 + 1722 \* X\_20\_202  
 + 1086 \*  
 X\_20\_203 + 820 \* X\_20\_204 + 1540 \* X\_20\_207 + 2210 \* X\_20\_208 + 1122  
 \* X\_20\_210 +  
 596 \* X\_20\_212 + 2726 \* X\_20\_213 + 2210 \* X\_20\_214 + 860 \* X\_20\_215 +  
 1540 \*

$X_{20\_216} + 1086 * X_{20\_217} + 2018 * X_{20\_218} + 1722 * X_{20\_221} + 2210$   
 $* X_{20\_222} +$   
 $820 * X_{20\_223} + 2210 * X_{20\_225} + 1540 * X_{20\_227} + 596 * X_{20\_228} +$   
 $860 *$   
 $X_{20\_230} + 1122 * X_{20\_231} + 2726 * X_{20\_232} + 1722 * X_{20\_233} + 820$   
 $* X_{20\_235} +$   
 $1086 * X_{20\_236} + 2210 * X_{20\_237} + 2018 * X_{20\_239} \geq 6750;$   
 $[_{998}] 2210 * X_{21\_1} + 1086 * X_{21\_2} + 1722 * X_{21\_3} + 2018 * X_{21\_4} +$   
 $2726 *$   
 $X_{21\_8} + 2210 * X_{21\_9} + 860 * X_{21\_11} + 1122 * X_{21\_12} + 820 *$   
 $X_{21\_13} + 1540 *$   
 $X_{21\_14} + 596 * X_{21\_15} + 1722 * X_{21\_17} + 2726 * X_{21\_18} + 2018 *$   
 $X_{21\_19} + 860 *$   
 $X_{21\_20} + 2210 * X_{21\_21} + 1540 * X_{21\_25} + 596 * X_{21\_27} + 1086 *$   
 $X_{21\_28} + 1722$   
 $* X_{21\_29} + 820 * X_{21\_30} + 2210 * X_{21\_32} + 2726 * X_{21\_33} + 2018 *$   
 $X_{21\_34} +$   
 $2210 * X_{21\_35} + 860 * X_{21\_36} + 1122 * X_{21\_37} + 2210 * X_{21\_43} +$   
 $596 * X_{21\_44} +$   
 $1540 * X_{21\_45} + 1722 * X_{21\_46} + 1086 * X_{21\_47} + 820 * X_{21\_48} +$   
 $2018 * X_{21\_49}$   
 $+ 2726 * X_{21\_50} + 1122 * X_{21\_51} + 860 * X_{21\_52} + 2210 * X_{21\_53} +$   
 $1540 *$   
 $X_{21\_57} + 2018 * X_{21\_58} + 2210 * X_{21\_60} + 820 * X_{21\_61} + 1722 *$   
 $X_{21\_62} + 1086$   
 $* X_{21\_64} + 596 * X_{21\_65} + 1122 * X_{21\_66} + 2210 * X_{21\_67} + 2726 *$   
 $X_{21\_69} + 860$   
 $* X_{21\_72} + 1722 * X_{21\_73} + 820 * X_{21\_74} + 1086 * X_{21\_76} + 2018 *$   
 $X_{21\_78} +$   
 $2210 * X_{21\_79} + 1540 * X_{21\_80} + 2726 * X_{21\_82} + 1122 * X_{21\_83} +$   
 $596 * X_{21\_85}$   
 $+ 860 * X_{21\_86} + 2210 * X_{21\_87} + 1086 * X_{21\_91} + 1722 * X_{21\_92} +$   
 $2210 *$   
 $X_{21\_93} + 2018 * X_{21\_95} + 820 * X_{21\_96} + 596 * X_{21\_97} + 1122 *$   
 $X_{21\_98} + 2726 *$   
 $X_{21\_100} + 860 * X_{21\_102} + 2210 * X_{21\_103} + 1540 * X_{21\_104} + 1722$   
 $* X_{21\_105} +$   
 $820 * X_{21\_106} + 1086 * X_{21\_107} + 2018 * X_{21\_109} + 2210 * X_{21\_111}$   
 $+ 1540 *$   
 $X_{21\_113} + 2210 * X_{21\_114} + 2726 * X_{21\_115} + 1122 * X_{21\_118} + 596$   
 $* X_{21\_119} +$   
 $860 * X_{21\_120} + 596 * X_{21\_121} + 820 * X_{21\_122} + 2210 * X_{21\_124} +$   
 $1540 *$   
 $X_{21\_125} + 1122 * X_{21\_127} + 860 * X_{21\_128} + 2210 * X_{21\_129} + 1086$   
 $* X_{21\_131} +$   
 $2726 * X_{21\_132} + 1722 * X_{21\_133} + 2018 * X_{21\_134} + 1086 * X_{21\_137}$   
 $+ 1122 *$   
 $X_{21\_140} + 1540 * X_{21\_141} + 820 * X_{21\_142} + 2210 * X_{21\_143} + 596 *$   
 $X_{21\_144} +$   
 $860 * X_{21\_146} + 2726 * X_{21\_147} + 1122 * X_{21\_149} + 2018 * X_{21\_150}$   
 $+ 2210 *$   
 $X_{21\_151} + 2210 * X_{21\_153} + 1086 * X_{21\_154} + 820 * X_{21\_155} + 596 *$   
 $X_{21\_156} +$   
 $1722 * X_{21\_159} + 1540 * X_{21\_160} + 860 * X_{21\_163} + 1122 * X_{21\_164}$   
 $+ 2726 *$   
 $X_{21\_165} + 2018 * X_{21\_166} + 2210 * X_{21\_167} + 2210 * X_{21\_171} + 1540$   
 $* X_{21\_172} +$

1722 \* X\_21\_173 + 596 \* X\_21\_174 + 820 \* X\_21\_175 + 1086 \* X\_21\_176 +  
 1122 \*  
 X\_21\_177 + 2726 \* X\_21\_178 + 860 \* X\_21\_179 + 596 \* X\_21\_181 + 2210 \*  
 X\_21\_183 +  
 2210 \* X\_21\_185 + 2018 \* X\_21\_187 + 1540 \* X\_21\_188 + 1086 \* X\_21\_189  
 + 1722 \*  
 X\_21\_191 + 820 \* X\_21\_192 + 860 \* X\_21\_193 + 1122 \* X\_21\_194 + 2210 \*  
 X\_21\_196 +  
 2726 \* X\_21\_197 + 596 \* X\_21\_200 + 2018 \* X\_21\_201 + 1722 \* X\_21\_202  
 + 1086 \*  
 X\_21\_203 + 820 \* X\_21\_204 + 1540 \* X\_21\_207 + 2210 \* X\_21\_208 + 1122  
 \* X\_21\_210 +  
 596 \* X\_21\_212 + 2726 \* X\_21\_213 + 2210 \* X\_21\_214 + 860 \* X\_21\_215 +  
 1540 \*  
 X\_21\_216 + 1086 \* X\_21\_217 + 2018 \* X\_21\_218 + 1722 \* X\_21\_221 + 2210  
 \* X\_21\_222 +  
 820 \* X\_21\_223 + 2210 \* X\_21\_225 + 1540 \* X\_21\_227 + 596 \* X\_21\_228 +  
 860 \*  
 X\_21\_230 + 1122 \* X\_21\_231 + 2726 \* X\_21\_232 + 1722 \* X\_21\_233 + 820  
 \* X\_21\_235 +  
 1086 \* X\_21\_236 + 2210 \* X\_21\_237 + 2018 \* X\_21\_239 >= 6750;  
 [\_999] 2210 \* X\_22\_1 + 1086 \* X\_22\_2 + 1722 \* X\_22\_3 + 2018 \* X\_22\_4 +  
 2726 \*  
 X\_22\_8 + 2210 \* X\_22\_9 + 860 \* X\_22\_11 + 1122 \* X\_22\_12 + 820 \*  
 X\_22\_13 + 1540 \*  
 X\_22\_14 + 596 \* X\_22\_15 + 1722 \* X\_22\_17 + 2726 \* X\_22\_18 + 2018 \*  
 X\_22\_19 + 860 \*  
 X\_22\_20 + 2210 \* X\_22\_21 + 1540 \* X\_22\_25 + 596 \* X\_22\_27 + 1086 \*  
 X\_22\_28 + 1722  
 \* X\_22\_29 + 820 \* X\_22\_30 + 2210 \* X\_22\_32 + 2726 \* X\_22\_33 + 2018 \*  
 X\_22\_34 +  
 2210 \* X\_22\_35 + 860 \* X\_22\_36 + 1122 \* X\_22\_37 + 2210 \* X\_22\_43 +  
 596 \* X\_22\_44 +  
 1540 \* X\_22\_45 + 1722 \* X\_22\_46 + 1086 \* X\_22\_47 + 820 \* X\_22\_48 +  
 2018 \* X\_22\_49  
 + 2726 \* X\_22\_50 + 1122 \* X\_22\_51 + 860 \* X\_22\_52 + 2210 \* X\_22\_53 +  
 1540 \*  
 X\_22\_57 + 2018 \* X\_22\_58 + 2210 \* X\_22\_60 + 820 \* X\_22\_61 + 1722 \*  
 X\_22\_62 + 1086  
 \* X\_22\_64 + 596 \* X\_22\_65 + 1122 \* X\_22\_66 + 2210 \* X\_22\_67 + 2726 \*  
 X\_22\_69 + 860  
 \* X\_22\_72 + 1722 \* X\_22\_73 + 820 \* X\_22\_74 + 1086 \* X\_22\_76 + 2018 \*  
 X\_22\_78 +  
 2210 \* X\_22\_79 + 1540 \* X\_22\_80 + 2726 \* X\_22\_82 + 1122 \* X\_22\_83 +  
 596 \* X\_22\_85  
 + 860 \* X\_22\_86 + 2210 \* X\_22\_87 + 1086 \* X\_22\_91 + 1722 \* X\_22\_92 +  
 2210 \*  
 X\_22\_93 + 2018 \* X\_22\_95 + 820 \* X\_22\_96 + 596 \* X\_22\_97 + 1122 \*  
 X\_22\_98 + 2726 \*  
 X\_22\_100 + 860 \* X\_22\_102 + 2210 \* X\_22\_103 + 1540 \* X\_22\_104 + 1722  
 \* X\_22\_105 +  
 820 \* X\_22\_106 + 1086 \* X\_22\_107 + 2018 \* X\_22\_109 + 2210 \* X\_22\_111  
 + 1540 \*  
 X\_22\_113 + 2210 \* X\_22\_114 + 2726 \* X\_22\_115 + 1122 \* X\_22\_118 + 596  
 \* X\_22\_119 +  
 860 \* X\_22\_120 + 596 \* X\_22\_121 + 820 \* X\_22\_122 + 2210 \* X\_22\_124 +  
 1540 \*

$X_{22\_125} + 1122 * X_{22\_127} + 860 * X_{22\_128} + 2210 * X_{22\_129} + 1086$   
 $* X_{22\_131} +$   
 $2726 * X_{22\_132} + 1722 * X_{22\_133} + 2018 * X_{22\_134} + 1086 * X_{22\_137}$   
 $+ 1122 *$   
 $X_{22\_140} + 1540 * X_{22\_141} + 820 * X_{22\_142} + 2210 * X_{22\_143} + 596 *$   
 $X_{22\_144} +$   
 $860 * X_{22\_146} + 2726 * X_{22\_147} + 1122 * X_{22\_149} + 2018 * X_{22\_150}$   
 $+ 2210 *$   
 $X_{22\_151} + 2210 * X_{22\_153} + 1086 * X_{22\_154} + 820 * X_{22\_155} + 596 *$   
 $X_{22\_156} +$   
 $1722 * X_{22\_159} + 1540 * X_{22\_160} + 860 * X_{22\_163} + 1122 * X_{22\_164}$   
 $+ 2726 *$   
 $X_{22\_165} + 2018 * X_{22\_166} + 2210 * X_{22\_167} + 2210 * X_{22\_171} + 1540$   
 $* X_{22\_172} +$   
 $1722 * X_{22\_173} + 596 * X_{22\_174} + 820 * X_{22\_175} + 1086 * X_{22\_176} +$   
 $1122 *$   
 $X_{22\_177} + 2726 * X_{22\_178} + 860 * X_{22\_179} + 596 * X_{22\_181} + 2210 *$   
 $X_{22\_183} +$   
 $2210 * X_{22\_185} + 2018 * X_{22\_187} + 1540 * X_{22\_188} + 1086 * X_{22\_189}$   
 $+ 1722 *$   
 $X_{22\_191} + 820 * X_{22\_192} + 860 * X_{22\_193} + 1122 * X_{22\_194} + 2210 *$   
 $X_{22\_196} +$   
 $2726 * X_{22\_197} + 596 * X_{22\_200} + 2018 * X_{22\_201} + 1722 * X_{22\_202}$   
 $+ 1086 *$   
 $X_{22\_203} + 820 * X_{22\_204} + 1540 * X_{22\_207} + 2210 * X_{22\_208} + 1122$   
 $* X_{22\_210} +$   
 $596 * X_{22\_212} + 2726 * X_{22\_213} + 2210 * X_{22\_214} + 860 * X_{22\_215} +$   
 $1540 *$   
 $X_{22\_216} + 1086 * X_{22\_217} + 2018 * X_{22\_218} + 1722 * X_{22\_221} + 2210$   
 $* X_{22\_222} +$   
 $820 * X_{22\_223} + 2210 * X_{22\_225} + 1540 * X_{22\_227} + 596 * X_{22\_228} +$   
 $860 *$   
 $X_{22\_230} + 1122 * X_{22\_231} + 2726 * X_{22\_232} + 1722 * X_{22\_233} + 820$   
 $* X_{22\_235} +$   
 $1086 * X_{22\_236} + 2210 * X_{22\_237} + 2018 * X_{22\_239} \geq 6750;$   
 $[\_1000] 2210 * X_{23\_1} + 1086 * X_{23\_2} + 1722 * X_{23\_3} + 2018 * X_{23\_4}$   
 $+ 2726 *$   
 $X_{23\_8} + 2210 * X_{23\_9} + 860 * X_{23\_11} + 1122 * X_{23\_12} + 820 *$   
 $X_{23\_13} + 1540 *$   
 $X_{23\_14} + 596 * X_{23\_15} + 1722 * X_{23\_17} + 2726 * X_{23\_18} + 2018 *$   
 $X_{23\_19} + 860 *$   
 $X_{23\_20} + 2210 * X_{23\_21} + 1540 * X_{23\_25} + 596 * X_{23\_27} + 1086 *$   
 $X_{23\_28} + 1722$   
 $* X_{23\_29} + 820 * X_{23\_30} + 2210 * X_{23\_32} + 2726 * X_{23\_33} + 2018 *$   
 $X_{23\_34} +$   
 $2210 * X_{23\_35} + 860 * X_{23\_36} + 1122 * X_{23\_37} + 2210 * X_{23\_43} +$   
 $596 * X_{23\_44} +$   
 $1540 * X_{23\_45} + 1722 * X_{23\_46} + 1086 * X_{23\_47} + 820 * X_{23\_48} +$   
 $2018 * X_{23\_49}$   
 $+ 2726 * X_{23\_50} + 1122 * X_{23\_51} + 860 * X_{23\_52} + 2210 * X_{23\_53} +$   
 $1540 *$   
 $X_{23\_57} + 2018 * X_{23\_58} + 2210 * X_{23\_60} + 820 * X_{23\_61} + 1722 *$   
 $X_{23\_62} + 1086$   
 $* X_{23\_64} + 596 * X_{23\_65} + 1122 * X_{23\_66} + 2210 * X_{23\_67} + 2726 *$   
 $X_{23\_69} + 860$   
 $* X_{23\_72} + 1722 * X_{23\_73} + 820 * X_{23\_74} + 1086 * X_{23\_76} + 2018 *$   
 $X_{23\_78} +$

2210 \* X\_23\_79 + 1540 \* X\_23\_80 + 2726 \* X\_23\_82 + 1122 \* X\_23\_83 +  
 596 \* X\_23\_85  
 + 860 \* X\_23\_86 + 2210 \* X\_23\_87 + 1086 \* X\_23\_91 + 1722 \* X\_23\_92 +  
 2210 \*  
 X\_23\_93 + 2018 \* X\_23\_95 + 820 \* X\_23\_96 + 596 \* X\_23\_97 + 1122 \*  
 X\_23\_98 + 2726 \*  
 X\_23\_100 + 860 \* X\_23\_102 + 2210 \* X\_23\_103 + 1540 \* X\_23\_104 + 1722  
 \* X\_23\_105 +  
 820 \* X\_23\_106 + 1086 \* X\_23\_107 + 2018 \* X\_23\_109 + 2210 \* X\_23\_111  
 + 1540 \*  
 X\_23\_113 + 2210 \* X\_23\_114 + 2726 \* X\_23\_115 + 1122 \* X\_23\_118 + 596  
 \* X\_23\_119 +  
 860 \* X\_23\_120 + 596 \* X\_23\_121 + 820 \* X\_23\_122 + 2210 \* X\_23\_124 +  
 1540 \*  
 X\_23\_125 + 1122 \* X\_23\_127 + 860 \* X\_23\_128 + 2210 \* X\_23\_129 + 1086  
 \* X\_23\_131 +  
 2726 \* X\_23\_132 + 1722 \* X\_23\_133 + 2018 \* X\_23\_134 + 1086 \* X\_23\_137  
 + 1122 \*  
 X\_23\_140 + 1540 \* X\_23\_141 + 820 \* X\_23\_142 + 2210 \* X\_23\_143 + 596 \*  
 X\_23\_144 +  
 860 \* X\_23\_146 + 2726 \* X\_23\_147 + 1122 \* X\_23\_149 + 2018 \* X\_23\_150  
 + 2210 \*  
 X\_23\_151 + 2210 \* X\_23\_153 + 1086 \* X\_23\_154 + 820 \* X\_23\_155 + 596 \*  
 X\_23\_156 +  
 1722 \* X\_23\_159 + 1540 \* X\_23\_160 + 860 \* X\_23\_163 + 1122 \* X\_23\_164  
 + 2726 \*  
 X\_23\_165 + 2018 \* X\_23\_166 + 2210 \* X\_23\_167 + 2210 \* X\_23\_171 + 1540  
 \* X\_23\_172 +  
 1722 \* X\_23\_173 + 596 \* X\_23\_174 + 820 \* X\_23\_175 + 1086 \* X\_23\_176 +  
 1122 \*  
 X\_23\_177 + 2726 \* X\_23\_178 + 860 \* X\_23\_179 + 596 \* X\_23\_181 + 2210 \*  
 X\_23\_183 +  
 2210 \* X\_23\_185 + 2018 \* X\_23\_187 + 1540 \* X\_23\_188 + 1086 \* X\_23\_189  
 + 1722 \*  
 X\_23\_191 + 820 \* X\_23\_192 + 860 \* X\_23\_193 + 1122 \* X\_23\_194 + 2210 \*  
 X\_23\_196 +  
 2726 \* X\_23\_197 + 596 \* X\_23\_200 + 2018 \* X\_23\_201 + 1722 \* X\_23\_202  
 + 1086 \*  
 X\_23\_203 + 820 \* X\_23\_204 + 1540 \* X\_23\_207 + 2210 \* X\_23\_208 + 1122  
 \* X\_23\_210 +  
 596 \* X\_23\_212 + 2726 \* X\_23\_213 + 2210 \* X\_23\_214 + 860 \* X\_23\_215 +  
 1540 \*  
 X\_23\_216 + 1086 \* X\_23\_217 + 2018 \* X\_23\_218 + 1722 \* X\_23\_221 + 2210  
 \* X\_23\_222 +  
 820 \* X\_23\_223 + 2210 \* X\_23\_225 + 1540 \* X\_23\_227 + 596 \* X\_23\_228 +  
 860 \*  
 X\_23\_230 + 1122 \* X\_23\_231 + 2726 \* X\_23\_232 + 1722 \* X\_23\_233 + 820  
 \* X\_23\_235 +  
 1086 \* X\_23\_236 + 2210 \* X\_23\_237 + 2018 \* X\_23\_239 >= 6750;  
 [\_1001] 2210 \* X\_1\_1 + 1086 \* X\_1\_2 + 1722 \* X\_1\_3 + 2018 \* X\_1\_4 +  
 2726 \* X\_1\_8 +  
 2210 \* X\_1\_9 + 860 \* X\_1\_11 + 1122 \* X\_1\_12 + 820 \* X\_1\_13 + 1540 \*  
 X\_1\_14 + 596 \*  
 X\_1\_15 + 1722 \* X\_1\_17 + 2726 \* X\_1\_18 + 2018 \* X\_1\_19 + 860 \* X\_1\_20  
 + 2210 \*  
 X\_1\_21 + 1540 \* X\_1\_25 + 596 \* X\_1\_27 + 1086 \* X\_1\_28 + 1722 \* X\_1\_29  
 + 820 \*

$X_{1\_30} + 2210 * X_{1\_32} + 2726 * X_{1\_33} + 2018 * X_{1\_34} + 2210 * X_{1\_35} + 860 *$   
 $X_{1\_36} + 1122 * X_{1\_37} + 2210 * X_{1\_43} + 596 * X_{1\_44} + 1540 * X_{1\_45} + 1722 *$   
 $X_{1\_46} + 1086 * X_{1\_47} + 820 * X_{1\_48} + 2018 * X_{1\_49} + 2726 * X_{1\_50} + 1122 *$   
 $X_{1\_51} + 860 * X_{1\_52} + 2210 * X_{1\_53} + 1540 * X_{1\_57} + 2018 * X_{1\_58} + 2210 *$   
 $X_{1\_60} + 820 * X_{1\_61} + 1722 * X_{1\_62} + 1086 * X_{1\_64} + 596 * X_{1\_65} + 1122 *$   
 $X_{1\_66} + 2210 * X_{1\_67} + 2726 * X_{1\_69} + 860 * X_{1\_72} + 1722 * X_{1\_73} + 820 *$   
 $X_{1\_74} + 1086 * X_{1\_76} + 2018 * X_{1\_78} + 2210 * X_{1\_79} + 1540 * X_{1\_80} + 2726 *$   
 $X_{1\_82} + 1122 * X_{1\_83} + 596 * X_{1\_85} + 860 * X_{1\_86} + 2210 * X_{1\_87} + 1086 *$   
 $X_{1\_91} + 1722 * X_{1\_92} + 2210 * X_{1\_93} + 2018 * X_{1\_95} + 820 * X_{1\_96} + 596 *$   
 $X_{1\_97} + 1122 * X_{1\_98} + 2726 * X_{1\_100} + 860 * X_{1\_102} + 2210 * X_{1\_103} + 1540 *$   
 $X_{1\_104} + 1722 * X_{1\_105} + 820 * X_{1\_106} + 1086 * X_{1\_107} + 2018 * X_{1\_109} + 2210$   
 $* X_{1\_111} + 1540 * X_{1\_113} + 2210 * X_{1\_114} + 2726 * X_{1\_115} + 1122 * X_{1\_118} +$   
 $596 * X_{1\_119} + 860 * X_{1\_120} + 596 * X_{1\_121} + 820 * X_{1\_122} + 2210 * X_{1\_124} +$   
 $1540 * X_{1\_125} + 1122 * X_{1\_127} + 860 * X_{1\_128} + 2210 * X_{1\_129} + 1086 * X_{1\_131}$   
 $+ 2726 * X_{1\_132} + 1722 * X_{1\_133} + 2018 * X_{1\_134} + 1086 * X_{1\_137} + 1122 *$   
 $X_{1\_140} + 1540 * X_{1\_141} + 820 * X_{1\_142} + 2210 * X_{1\_143} + 596 * X_{1\_144} + 860 *$   
 $X_{1\_146} + 2726 * X_{1\_147} + 1122 * X_{1\_149} + 2018 * X_{1\_150} + 2210 * X_{1\_151} + 2210$   
 $* X_{1\_153} + 1086 * X_{1\_154} + 820 * X_{1\_155} + 596 * X_{1\_156} + 1722 * X_{1\_159} + 1540$   
 $* X_{1\_160} + 860 * X_{1\_163} + 1122 * X_{1\_164} + 2726 * X_{1\_165} + 2018 * X_{1\_166} +$   
 $2210 * X_{1\_167} + 2210 * X_{1\_171} + 1540 * X_{1\_172} + 1722 * X_{1\_173} + 596 * X_{1\_174}$   
 $+ 820 * X_{1\_175} + 1086 * X_{1\_176} + 1122 * X_{1\_177} + 2726 * X_{1\_178} + 860 * X_{1\_179}$   
 $+ 596 * X_{1\_181} + 2210 * X_{1\_183} + 2210 * X_{1\_185} + 2018 * X_{1\_187} + 1540 *$   
 $X_{1\_188} + 1086 * X_{1\_189} + 1722 * X_{1\_191} + 820 * X_{1\_192} + 860 * X_{1\_193} + 1122 *$   
 $X_{1\_194} + 2210 * X_{1\_196} + 2726 * X_{1\_197} + 596 * X_{1\_200} + 2018 * X_{1\_201} + 1722$   
 $* X_{1\_202} + 1086 * X_{1\_203} + 820 * X_{1\_204} + 1540 * X_{1\_207} + 2210 * X_{1\_208} +$   
 $1122 * X_{1\_210} + 596 * X_{1\_212} + 2726 * X_{1\_213} + 2210 * X_{1\_214} + 860 * X_{1\_215} +$   
 $1540 * X_{1\_216} + 1086 * X_{1\_217} + 2018 * X_{1\_218} + 1722 * X_{1\_221} + 2210 * X_{1\_222}$   
 $+ 820 * X_{1\_223} + 2210 * X_{1\_225} + 1540 * X_{1\_227} + 596 * X_{1\_228} + 860 * X_{1\_230}$

+ 1122 \* X\_1\_231 + 2726 \* X\_1\_232 + 1722 \* X\_1\_233 + 820 \* X\_1\_235 +  
 1086 \*  
 X\_1\_236 + 2210 \* X\_1\_237 + 2018 \* X\_1\_239 <= 15250;  
 [\_1002] 2210 \* X\_2\_1 + 1086 \* X\_2\_2 + 1722 \* X\_2\_3 + 2018 \* X\_2\_4 +  
 2726 \* X\_2\_8 +  
 2210 \* X\_2\_9 + 860 \* X\_2\_11 + 1122 \* X\_2\_12 + 820 \* X\_2\_13 + 1540 \*  
 X\_2\_14 + 596 \*  
 X\_2\_15 + 1722 \* X\_2\_17 + 2726 \* X\_2\_18 + 2018 \* X\_2\_19 + 860 \* X\_2\_20  
 + 2210 \*  
 X\_2\_21 + 1540 \* X\_2\_25 + 596 \* X\_2\_27 + 1086 \* X\_2\_28 + 1722 \* X\_2\_29  
 + 820 \*  
 X\_2\_30 + 2210 \* X\_2\_32 + 2726 \* X\_2\_33 + 2018 \* X\_2\_34 + 2210 \*  
 X\_2\_35 + 860 \*  
 X\_2\_36 + 1122 \* X\_2\_37 + 2210 \* X\_2\_43 + 596 \* X\_2\_44 + 1540 \* X\_2\_45  
 + 1722 \*  
 X\_2\_46 + 1086 \* X\_2\_47 + 820 \* X\_2\_48 + 2018 \* X\_2\_49 + 2726 \* X\_2\_50  
 + 1122 \*  
 X\_2\_51 + 860 \* X\_2\_52 + 2210 \* X\_2\_53 + 1540 \* X\_2\_57 + 2018 \* X\_2\_58  
 + 2210 \*  
 X\_2\_60 + 820 \* X\_2\_61 + 1722 \* X\_2\_62 + 1086 \* X\_2\_64 + 596 \* X\_2\_65  
 + 1122 \*  
 X\_2\_66 + 2210 \* X\_2\_67 + 2726 \* X\_2\_69 + 860 \* X\_2\_72 + 1722 \* X\_2\_73  
 + 820 \*  
 X\_2\_74 + 1086 \* X\_2\_76 + 2018 \* X\_2\_78 + 2210 \* X\_2\_79 + 1540 \*  
 X\_2\_80 + 2726 \*  
 X\_2\_82 + 1122 \* X\_2\_83 + 596 \* X\_2\_85 + 860 \* X\_2\_86 + 2210 \* X\_2\_87  
 + 1086 \*  
 X\_2\_91 + 1722 \* X\_2\_92 + 2210 \* X\_2\_93 + 2018 \* X\_2\_95 + 820 \* X\_2\_96  
 + 596 \*  
 X\_2\_97 + 1122 \* X\_2\_98 + 2726 \* X\_2\_100 + 860 \* X\_2\_102 + 2210 \*  
 X\_2\_103 + 1540 \*  
 X\_2\_104 + 1722 \* X\_2\_105 + 820 \* X\_2\_106 + 1086 \* X\_2\_107 + 2018 \*  
 X\_2\_109 + 2210  
 \* X\_2\_111 + 1540 \* X\_2\_113 + 2210 \* X\_2\_114 + 2726 \* X\_2\_115 + 1122 \*  
 X\_2\_118 +  
 596 \* X\_2\_119 + 860 \* X\_2\_120 + 596 \* X\_2\_121 + 820 \* X\_2\_122 + 2210  
 \* X\_2\_124 +  
 1540 \* X\_2\_125 + 1122 \* X\_2\_127 + 860 \* X\_2\_128 + 2210 \* X\_2\_129 +  
 1086 \* X\_2\_131  
 + 2726 \* X\_2\_132 + 1722 \* X\_2\_133 + 2018 \* X\_2\_134 + 1086 \* X\_2\_137 +  
 1122 \*  
 X\_2\_140 + 1540 \* X\_2\_141 + 820 \* X\_2\_142 + 2210 \* X\_2\_143 + 596 \*  
 X\_2\_144 + 860 \*  
 X\_2\_146 + 2726 \* X\_2\_147 + 1122 \* X\_2\_149 + 2018 \* X\_2\_150 + 2210 \*  
 X\_2\_151 + 2210  
 \* X\_2\_153 + 1086 \* X\_2\_154 + 820 \* X\_2\_155 + 596 \* X\_2\_156 + 1722 \*  
 X\_2\_159 + 1540  
 \* X\_2\_160 + 860 \* X\_2\_163 + 1122 \* X\_2\_164 + 2726 \* X\_2\_165 + 2018 \*  
 X\_2\_166 +  
 2210 \* X\_2\_167 + 2210 \* X\_2\_171 + 1540 \* X\_2\_172 + 1722 \* X\_2\_173 +  
 596 \* X\_2\_174  
 + 820 \* X\_2\_175 + 1086 \* X\_2\_176 + 1122 \* X\_2\_177 + 2726 \* X\_2\_178 +  
 860 \* X\_2\_179  
 + 596 \* X\_2\_181 + 2210 \* X\_2\_183 + 2210 \* X\_2\_185 + 2018 \* X\_2\_187 +  
 1540 \*  
 X\_2\_188 + 1086 \* X\_2\_189 + 1722 \* X\_2\_191 + 820 \* X\_2\_192 + 860 \*  
 X\_2\_193 + 1122 \*

$X_{2\_194} + 2210 * X_{2\_196} + 2726 * X_{2\_197} + 596 * X_{2\_200} + 2018 * X_{2\_201} + 1722$   
 $* X_{2\_202} + 1086 * X_{2\_203} + 820 * X_{2\_204} + 1540 * X_{2\_207} + 2210 * X_{2\_208} +$   
 $1122 * X_{2\_210} + 596 * X_{2\_212} + 2726 * X_{2\_213} + 2210 * X_{2\_214} +$   
 $860 * X_{2\_215} +$   
 $1540 * X_{2\_216} + 1086 * X_{2\_217} + 2018 * X_{2\_218} + 1722 * X_{2\_221} +$   
 $2210 * X_{2\_222}$   
 $+ 820 * X_{2\_223} + 2210 * X_{2\_225} + 1540 * X_{2\_227} + 596 * X_{2\_228} +$   
 $860 * X_{2\_230}$   
 $+ 1122 * X_{2\_231} + 2726 * X_{2\_232} + 1722 * X_{2\_233} + 820 * X_{2\_235} +$   
 $1086 * X_{2\_236} + 2210 * X_{2\_237} + 2018 * X_{2\_239} \leq 15250;$   
 $[_{1003}] 2210 * X_{3\_1} + 1086 * X_{3\_2} + 1722 * X_{3\_3} + 2018 * X_{3\_4} +$   
 $2726 * X_{3\_8} +$   
 $2210 * X_{3\_9} + 860 * X_{3\_11} + 1122 * X_{3\_12} + 820 * X_{3\_13} + 1540 * X_{3\_14} + 596 * X_{3\_15} +$   
 $1722 * X_{3\_17} + 2726 * X_{3\_18} + 2018 * X_{3\_19} + 860 * X_{3\_20} + 2210 * X_{3\_21} +$   
 $1540 * X_{3\_25} + 596 * X_{3\_27} + 1086 * X_{3\_28} + 1722 * X_{3\_29} + 820 * X_{3\_30} +$   
 $2210 * X_{3\_32} + 2726 * X_{3\_33} + 2018 * X_{3\_34} + 2210 * X_{3\_35} + 860 * X_{3\_36} +$   
 $1122 * X_{3\_37} + 2210 * X_{3\_43} + 596 * X_{3\_44} + 1540 * X_{3\_45} + 1722 * X_{3\_46} +$   
 $1086 * X_{3\_47} + 820 * X_{3\_48} + 2018 * X_{3\_49} + 2726 * X_{3\_50} + 1122 * X_{3\_51} +$   
 $860 * X_{3\_52} + 2210 * X_{3\_53} + 1540 * X_{3\_57} + 2018 * X_{3\_58} + 2210 * X_{3\_60} +$   
 $820 * X_{3\_61} + 1722 * X_{3\_62} + 1086 * X_{3\_64} + 596 * X_{3\_65} + 1122 * X_{3\_66} +$   
 $2210 * X_{3\_67} + 2726 * X_{3\_69} + 860 * X_{3\_72} + 1722 * X_{3\_73} + 820 * X_{3\_74} +$   
 $1086 * X_{3\_76} + 2018 * X_{3\_78} + 2210 * X_{3\_79} + 1540 * X_{3\_80} + 2726 * X_{3\_82} +$   
 $1122 * X_{3\_83} + 596 * X_{3\_85} + 860 * X_{3\_86} + 2210 * X_{3\_87} + 1086 * X_{3\_91} +$   
 $1722 * X_{3\_92} + 2210 * X_{3\_93} + 2018 * X_{3\_95} + 820 * X_{3\_96} + 596 * X_{3\_97} +$   
 $1122 * X_{3\_98} + 2726 * X_{3\_100} + 860 * X_{3\_102} + 2210 * X_{3\_103} + 1540 * X_{3\_104} +$   
 $1722 * X_{3\_105} + 820 * X_{3\_106} + 1086 * X_{3\_107} + 2018 * X_{3\_109} + 2210 * X_{3\_111} +$   
 $1540 * X_{3\_113} + 2210 * X_{3\_114} + 2726 * X_{3\_115} + 1122 * X_{3\_118} + 596 * X_{3\_119} +$   
 $860 * X_{3\_120} + 596 * X_{3\_121} + 820 * X_{3\_122} + 2210 * X_{3\_124} + 1540 * X_{3\_125} +$   
 $1122 * X_{3\_127} + 860 * X_{3\_128} + 2210 * X_{3\_129} + 1086 * X_{3\_131} + 2726 * X_{3\_132} +$   
 $1722 * X_{3\_133} + 2018 * X_{3\_134} + 1086 * X_{3\_137} + 1122 * X_{3\_140} + 1540 * X_{3\_141} +$   
 $820 * X_{3\_142} + 2210 * X_{3\_143} + 596 * X_{3\_144} + 860 * X_{3\_146} + 2726 * X_{3\_147} +$   
 $1122 * X_{3\_149} + 2018 * X_{3\_150} + 2210 * X_{3\_151} + 2210 * X_{3\_153} + 1086 * X_{3\_154} +$   
 $820 * X_{3\_155} + 596 * X_{3\_156} + 1722 * X_{3\_159} + 1540$



\* X\_3\_160 + 860 \* X\_3\_163 + 1122 \* X\_3\_164 + 2726 \* X\_3\_165 + 2018 \* X\_3\_166 +  
 2210 \* X\_3\_167 + 2210 \* X\_3\_171 + 1540 \* X\_3\_172 + 1722 \* X\_3\_173 + 596 \* X\_3\_174  
 + 820 \* X\_3\_175 + 1086 \* X\_3\_176 + 1122 \* X\_3\_177 + 2726 \* X\_3\_178 + 860 \* X\_3\_179  
 + 596 \* X\_3\_181 + 2210 \* X\_3\_183 + 2210 \* X\_3\_185 + 2018 \* X\_3\_187 + 1540 \*  
 X\_3\_188 + 1086 \* X\_3\_189 + 1722 \* X\_3\_191 + 820 \* X\_3\_192 + 860 \* X\_3\_193 + 1122 \*  
 X\_3\_194 + 2210 \* X\_3\_196 + 2726 \* X\_3\_197 + 596 \* X\_3\_200 + 2018 \* X\_3\_201 + 1722  
 \* X\_3\_202 + 1086 \* X\_3\_203 + 820 \* X\_3\_204 + 1540 \* X\_3\_207 + 2210 \* X\_3\_208 +  
 1122 \* X\_3\_210 + 596 \* X\_3\_212 + 2726 \* X\_3\_213 + 2210 \* X\_3\_214 + 860 \* X\_3\_215 +  
 1540 \* X\_3\_216 + 1086 \* X\_3\_217 + 2018 \* X\_3\_218 + 1722 \* X\_3\_221 + 2210 \* X\_3\_222  
 + 820 \* X\_3\_223 + 2210 \* X\_3\_225 + 1540 \* X\_3\_227 + 596 \* X\_3\_228 + 860 \* X\_3\_230  
 + 1122 \* X\_3\_231 + 2726 \* X\_3\_232 + 1722 \* X\_3\_233 + 820 \* X\_3\_235 + 1086 \*  
 X\_3\_236 + 2210 \* X\_3\_237 + 2018 \* X\_3\_239 <= 15250;  
 [\_1004] 2210 \* X\_4\_1 + 1086 \* X\_4\_2 + 1722 \* X\_4\_3 + 2018 \* X\_4\_4 + 2726 \* X\_4\_8 +  
 2210 \* X\_4\_9 + 860 \* X\_4\_11 + 1122 \* X\_4\_12 + 820 \* X\_4\_13 + 1540 \* X\_4\_14 + 596 \*  
 X\_4\_15 + 1722 \* X\_4\_17 + 2726 \* X\_4\_18 + 2018 \* X\_4\_19 + 860 \* X\_4\_20 + 2210 \*  
 X\_4\_21 + 1540 \* X\_4\_25 + 596 \* X\_4\_27 + 1086 \* X\_4\_28 + 1722 \* X\_4\_29 + 820 \*  
 X\_4\_30 + 2210 \* X\_4\_32 + 2726 \* X\_4\_33 + 2018 \* X\_4\_34 + 2210 \* X\_4\_35 + 860 \*  
 X\_4\_36 + 1122 \* X\_4\_37 + 2210 \* X\_4\_43 + 596 \* X\_4\_44 + 1540 \* X\_4\_45 + 1722 \*  
 X\_4\_46 + 1086 \* X\_4\_47 + 820 \* X\_4\_48 + 2018 \* X\_4\_49 + 2726 \* X\_4\_50 + 1122 \*  
 X\_4\_51 + 860 \* X\_4\_52 + 2210 \* X\_4\_53 + 1540 \* X\_4\_57 + 2018 \* X\_4\_58 + 2210 \*  
 X\_4\_60 + 820 \* X\_4\_61 + 1722 \* X\_4\_62 + 1086 \* X\_4\_64 + 596 \* X\_4\_65 + 1122 \*  
 X\_4\_66 + 2210 \* X\_4\_67 + 2726 \* X\_4\_69 + 860 \* X\_4\_72 + 1722 \* X\_4\_73 + 820 \*  
 X\_4\_74 + 1086 \* X\_4\_76 + 2018 \* X\_4\_78 + 2210 \* X\_4\_79 + 1540 \* X\_4\_80 + 2726 \*  
 X\_4\_82 + 1122 \* X\_4\_83 + 596 \* X\_4\_85 + 860 \* X\_4\_86 + 2210 \* X\_4\_87 + 1086 \*  
 X\_4\_91 + 1722 \* X\_4\_92 + 2210 \* X\_4\_93 + 2018 \* X\_4\_95 + 820 \* X\_4\_96 + 596 \*  
 X\_4\_97 + 1122 \* X\_4\_98 + 2726 \* X\_4\_100 + 860 \* X\_4\_102 + 2210 \* X\_4\_103 + 1540 \*  
 X\_4\_104 + 1722 \* X\_4\_105 + 820 \* X\_4\_106 + 1086 \* X\_4\_107 + 2018 \* X\_4\_109 + 2210  
 \* X\_4\_111 + 1540 \* X\_4\_113 + 2210 \* X\_4\_114 + 2726 \* X\_4\_115 + 1122 \* X\_4\_118 +  
 596 \* X\_4\_119 + 860 \* X\_4\_120 + 596 \* X\_4\_121 + 820 \* X\_4\_122 + 2210 \* X\_4\_124 +

1540 \* X\_4\_125 + 1122 \* X\_4\_127 + 860 \* X\_4\_128 + 2210 \* X\_4\_129 +  
 1086 \* X\_4\_131  
 + 2726 \* X\_4\_132 + 1722 \* X\_4\_133 + 2018 \* X\_4\_134 + 1086 \* X\_4\_137 +  
 1122 \*  
 X\_4\_140 + 1540 \* X\_4\_141 + 820 \* X\_4\_142 + 2210 \* X\_4\_143 + 596 \*  
 X\_4\_144 + 860 \*  
 X\_4\_146 + 2726 \* X\_4\_147 + 1122 \* X\_4\_149 + 2018 \* X\_4\_150 + 2210 \*  
 X\_4\_151 + 2210  
 \* X\_4\_153 + 1086 \* X\_4\_154 + 820 \* X\_4\_155 + 596 \* X\_4\_156 + 1722 \*  
 X\_4\_159 + 1540  
 \* X\_4\_160 + 860 \* X\_4\_163 + 1122 \* X\_4\_164 + 2726 \* X\_4\_165 + 2018 \*  
 X\_4\_166 +  
 2210 \* X\_4\_167 + 2210 \* X\_4\_171 + 1540 \* X\_4\_172 + 1722 \* X\_4\_173 +  
 596 \* X\_4\_174  
 + 820 \* X\_4\_175 + 1086 \* X\_4\_176 + 1122 \* X\_4\_177 + 2726 \* X\_4\_178 +  
 860 \* X\_4\_179  
 + 596 \* X\_4\_181 + 2210 \* X\_4\_183 + 2210 \* X\_4\_185 + 2018 \* X\_4\_187 +  
 1540 \*  
 X\_4\_188 + 1086 \* X\_4\_189 + 1722 \* X\_4\_191 + 820 \* X\_4\_192 + 860 \*  
 X\_4\_193 + 1122 \*  
 X\_4\_194 + 2210 \* X\_4\_196 + 2726 \* X\_4\_197 + 596 \* X\_4\_200 + 2018 \*  
 X\_4\_201 + 1722  
 \* X\_4\_202 + 1086 \* X\_4\_203 + 820 \* X\_4\_204 + 1540 \* X\_4\_207 + 2210 \*  
 X\_4\_208 +  
 1122 \* X\_4\_210 + 596 \* X\_4\_212 + 2726 \* X\_4\_213 + 2210 \* X\_4\_214 +  
 860 \* X\_4\_215 +  
 1540 \* X\_4\_216 + 1086 \* X\_4\_217 + 2018 \* X\_4\_218 + 1722 \* X\_4\_221 +  
 2210 \* X\_4\_222  
 + 820 \* X\_4\_223 + 2210 \* X\_4\_225 + 1540 \* X\_4\_227 + 596 \* X\_4\_228 +  
 860 \* X\_4\_230  
 + 1122 \* X\_4\_231 + 2726 \* X\_4\_232 + 1722 \* X\_4\_233 + 820 \* X\_4\_235 +  
 1086 \*  
 X\_4\_236 + 2210 \* X\_4\_237 + 2018 \* X\_4\_239 <= 15250;  
 [\_1005] 2210 \* X\_5\_1 + 1086 \* X\_5\_2 + 1722 \* X\_5\_3 + 2018 \* X\_5\_4 +  
 2726 \* X\_5\_8 +  
 2210 \* X\_5\_9 + 860 \* X\_5\_11 + 1122 \* X\_5\_12 + 820 \* X\_5\_13 + 1540 \*  
 X\_5\_14 + 596 \*  
 X\_5\_15 + 1722 \* X\_5\_17 + 2726 \* X\_5\_18 + 2018 \* X\_5\_19 + 860 \* X\_5\_20  
 + 2210 \*  
 X\_5\_21 + 1540 \* X\_5\_25 + 596 \* X\_5\_27 + 1086 \* X\_5\_28 + 1722 \* X\_5\_29  
 + 820 \*  
 X\_5\_30 + 2210 \* X\_5\_32 + 2726 \* X\_5\_33 + 2018 \* X\_5\_34 + 2210 \*  
 X\_5\_35 + 860 \*  
 X\_5\_36 + 1122 \* X\_5\_37 + 2210 \* X\_5\_43 + 596 \* X\_5\_44 + 1540 \* X\_5\_45  
 + 1722 \*  
 X\_5\_46 + 1086 \* X\_5\_47 + 820 \* X\_5\_48 + 2018 \* X\_5\_49 + 2726 \* X\_5\_50  
 + 1122 \*  
 X\_5\_51 + 860 \* X\_5\_52 + 2210 \* X\_5\_53 + 1540 \* X\_5\_57 + 2018 \* X\_5\_58  
 + 2210 \*  
 X\_5\_60 + 820 \* X\_5\_61 + 1722 \* X\_5\_62 + 1086 \* X\_5\_64 + 596 \* X\_5\_65  
 + 1122 \*  
 X\_5\_66 + 2210 \* X\_5\_67 + 2726 \* X\_5\_69 + 860 \* X\_5\_72 + 1722 \* X\_5\_73  
 + 820 \*  
 X\_5\_74 + 1086 \* X\_5\_76 + 2018 \* X\_5\_78 + 2210 \* X\_5\_79 + 1540 \*  
 X\_5\_80 + 2726 \*  
 X\_5\_82 + 1122 \* X\_5\_83 + 596 \* X\_5\_85 + 860 \* X\_5\_86 + 2210 \* X\_5\_87  
 + 1086 \*

$X_{5\_91} + 1722 * X_{5\_92} + 2210 * X_{5\_93} + 2018 * X_{5\_95} + 820 * X_{5\_96}$   
 $+ 596 *$   
 $X_{5\_97} + 1122 * X_{5\_98} + 2726 * X_{5\_100} + 860 * X_{5\_102} + 2210 *$   
 $X_{5\_103} + 1540 *$   
 $X_{5\_104} + 1722 * X_{5\_105} + 820 * X_{5\_106} + 1086 * X_{5\_107} + 2018 *$   
 $X_{5\_109} + 2210$   
 $* X_{5\_111} + 1540 * X_{5\_113} + 2210 * X_{5\_114} + 2726 * X_{5\_115} + 1122 *$   
 $X_{5\_118} +$   
 $596 * X_{5\_119} + 860 * X_{5\_120} + 596 * X_{5\_121} + 820 * X_{5\_122} + 2210$   
 $* X_{5\_124} +$   
 $1540 * X_{5\_125} + 1122 * X_{5\_127} + 860 * X_{5\_128} + 2210 * X_{5\_129} +$   
 $1086 * X_{5\_131}$   
 $+ 2726 * X_{5\_132} + 1722 * X_{5\_133} + 2018 * X_{5\_134} + 1086 * X_{5\_137} +$   
 $1122 *$   
 $X_{5\_140} + 1540 * X_{5\_141} + 820 * X_{5\_142} + 2210 * X_{5\_143} + 596 *$   
 $X_{5\_144} + 860 *$   
 $X_{5\_146} + 2726 * X_{5\_147} + 1122 * X_{5\_149} + 2018 * X_{5\_150} + 2210 *$   
 $X_{5\_151} + 2210$   
 $* X_{5\_153} + 1086 * X_{5\_154} + 820 * X_{5\_155} + 596 * X_{5\_156} + 1722 *$   
 $X_{5\_159} + 1540$   
 $* X_{5\_160} + 860 * X_{5\_163} + 1122 * X_{5\_164} + 2726 * X_{5\_165} + 2018 *$   
 $X_{5\_166} +$   
 $2210 * X_{5\_167} + 2210 * X_{5\_171} + 1540 * X_{5\_172} + 1722 * X_{5\_173} +$   
 $596 * X_{5\_174}$   
 $+ 820 * X_{5\_175} + 1086 * X_{5\_176} + 1122 * X_{5\_177} + 2726 * X_{5\_178} +$   
 $860 * X_{5\_179}$   
 $+ 596 * X_{5\_181} + 2210 * X_{5\_183} + 2210 * X_{5\_185} + 2018 * X_{5\_187} +$   
 $1540 *$   
 $X_{5\_188} + 1086 * X_{5\_189} + 1722 * X_{5\_191} + 820 * X_{5\_192} + 860 *$   
 $X_{5\_193} + 1122 *$   
 $X_{5\_194} + 2210 * X_{5\_196} + 2726 * X_{5\_197} + 596 * X_{5\_200} + 2018 *$   
 $X_{5\_201} + 1722$   
 $* X_{5\_202} + 1086 * X_{5\_203} + 820 * X_{5\_204} + 1540 * X_{5\_207} + 2210 *$   
 $X_{5\_208} +$   
 $1122 * X_{5\_210} + 596 * X_{5\_212} + 2726 * X_{5\_213} + 2210 * X_{5\_214} +$   
 $860 * X_{5\_215} +$   
 $1540 * X_{5\_216} + 1086 * X_{5\_217} + 2018 * X_{5\_218} + 1722 * X_{5\_221} +$   
 $2210 * X_{5\_222}$   
 $+ 820 * X_{5\_223} + 2210 * X_{5\_225} + 1540 * X_{5\_227} + 596 * X_{5\_228} +$   
 $860 * X_{5\_230}$   
 $+ 1122 * X_{5\_231} + 2726 * X_{5\_232} + 1722 * X_{5\_233} + 820 * X_{5\_235} +$   
 $1086 *$   
 $X_{5\_236} + 2210 * X_{5\_237} + 2018 * X_{5\_239} \leq 15250;$   
 $[_{1006}] 2210 * X_{6\_1} + 1086 * X_{6\_2} + 1722 * X_{6\_3} + 2018 * X_{6\_4} +$   
 $2726 * X_{6\_8} +$   
 $2210 * X_{6\_9} + 860 * X_{6\_11} + 1122 * X_{6\_12} + 820 * X_{6\_13} + 1540 *$   
 $X_{6\_14} + 596 *$   
 $X_{6\_15} + 1722 * X_{6\_17} + 2726 * X_{6\_18} + 2018 * X_{6\_19} + 860 * X_{6\_20}$   
 $+ 2210 *$   
 $X_{6\_21} + 1540 * X_{6\_25} + 596 * X_{6\_27} + 1086 * X_{6\_28} + 1722 * X_{6\_29}$   
 $+ 820 *$   
 $X_{6\_30} + 2210 * X_{6\_32} + 2726 * X_{6\_33} + 2018 * X_{6\_34} + 2210 *$   
 $X_{6\_35} + 860 *$   
 $X_{6\_36} + 1122 * X_{6\_37} + 2210 * X_{6\_43} + 596 * X_{6\_44} + 1540 * X_{6\_45}$   
 $+ 1722 *$   
 $X_{6\_46} + 1086 * X_{6\_47} + 820 * X_{6\_48} + 2018 * X_{6\_49} + 2726 * X_{6\_50}$   
 $+ 1122 *$

$X_{6\_51} + 860 * X_{6\_52} + 2210 * X_{6\_53} + 1540 * X_{6\_57} + 2018 * X_{6\_58}$   
 $+ 2210 *$   
 $X_{6\_60} + 820 * X_{6\_61} + 1722 * X_{6\_62} + 1086 * X_{6\_64} + 596 * X_{6\_65}$   
 $+ 1122 *$   
 $X_{6\_66} + 2210 * X_{6\_67} + 2726 * X_{6\_69} + 860 * X_{6\_72} + 1722 * X_{6\_73}$   
 $+ 820 *$   
 $X_{6\_74} + 1086 * X_{6\_76} + 2018 * X_{6\_78} + 2210 * X_{6\_79} + 1540 *$   
 $X_{6\_80} + 2726 *$   
 $X_{6\_82} + 1122 * X_{6\_83} + 596 * X_{6\_85} + 860 * X_{6\_86} + 2210 * X_{6\_87}$   
 $+ 1086 *$   
 $X_{6\_91} + 1722 * X_{6\_92} + 2210 * X_{6\_93} + 2018 * X_{6\_95} + 820 * X_{6\_96}$   
 $+ 596 *$   
 $X_{6\_97} + 1122 * X_{6\_98} + 2726 * X_{6\_100} + 860 * X_{6\_102} + 2210 *$   
 $X_{6\_103} + 1540 *$   
 $X_{6\_104} + 1722 * X_{6\_105} + 820 * X_{6\_106} + 1086 * X_{6\_107} + 2018 *$   
 $X_{6\_109} + 2210$   
 $* X_{6\_111} + 1540 * X_{6\_113} + 2210 * X_{6\_114} + 2726 * X_{6\_115} + 1122 *$   
 $X_{6\_118} +$   
 $596 * X_{6\_119} + 860 * X_{6\_120} + 596 * X_{6\_121} + 820 * X_{6\_122} + 2210$   
 $* X_{6\_124} +$   
 $1540 * X_{6\_125} + 1122 * X_{6\_127} + 860 * X_{6\_128} + 2210 * X_{6\_129} +$   
 $1086 * X_{6\_131}$   
 $+ 2726 * X_{6\_132} + 1722 * X_{6\_133} + 2018 * X_{6\_134} + 1086 * X_{6\_137} +$   
 $1122 *$   
 $X_{6\_140} + 1540 * X_{6\_141} + 820 * X_{6\_142} + 2210 * X_{6\_143} + 596 *$   
 $X_{6\_144} + 860 *$   
 $X_{6\_146} + 2726 * X_{6\_147} + 1122 * X_{6\_149} + 2018 * X_{6\_150} + 2210 *$   
 $X_{6\_151} + 2210$   
 $* X_{6\_153} + 1086 * X_{6\_154} + 820 * X_{6\_155} + 596 * X_{6\_156} + 1722 *$   
 $X_{6\_159} + 1540$   
 $* X_{6\_160} + 860 * X_{6\_163} + 1122 * X_{6\_164} + 2726 * X_{6\_165} + 2018 *$   
 $X_{6\_166} +$   
 $2210 * X_{6\_167} + 2210 * X_{6\_171} + 1540 * X_{6\_172} + 1722 * X_{6\_173} +$   
 $596 * X_{6\_174}$   
 $+ 820 * X_{6\_175} + 1086 * X_{6\_176} + 1122 * X_{6\_177} + 2726 * X_{6\_178} +$   
 $860 * X_{6\_179}$   
 $+ 596 * X_{6\_181} + 2210 * X_{6\_183} + 2210 * X_{6\_185} + 2018 * X_{6\_187} +$   
 $1540 *$   
 $X_{6\_188} + 1086 * X_{6\_189} + 1722 * X_{6\_191} + 820 * X_{6\_192} + 860 *$   
 $X_{6\_193} + 1122 *$   
 $X_{6\_194} + 2210 * X_{6\_196} + 2726 * X_{6\_197} + 596 * X_{6\_200} + 2018 *$   
 $X_{6\_201} + 1722$   
 $* X_{6\_202} + 1086 * X_{6\_203} + 820 * X_{6\_204} + 1540 * X_{6\_207} + 2210 *$   
 $X_{6\_208} +$   
 $1122 * X_{6\_210} + 596 * X_{6\_212} + 2726 * X_{6\_213} + 2210 * X_{6\_214} +$   
 $860 * X_{6\_215} +$   
 $1540 * X_{6\_216} + 1086 * X_{6\_217} + 2018 * X_{6\_218} + 1722 * X_{6\_221} +$   
 $2210 * X_{6\_222}$   
 $+ 820 * X_{6\_223} + 2210 * X_{6\_225} + 1540 * X_{6\_227} + 596 * X_{6\_228} +$   
 $860 * X_{6\_230}$   
 $+ 1122 * X_{6\_231} + 2726 * X_{6\_232} + 1722 * X_{6\_233} + 820 * X_{6\_235} +$   
 $1086 *$   
 $X_{6\_236} + 2210 * X_{6\_237} + 2018 * X_{6\_239} \leq 15250;$   
 $[\_1007] 2210 * X_{7\_1} + 1086 * X_{7\_2} + 1722 * X_{7\_3} + 2018 * X_{7\_4} +$   
 $2726 * X_{7\_8} +$   
 $2210 * X_{7\_9} + 860 * X_{7\_11} + 1122 * X_{7\_12} + 820 * X_{7\_13} + 1540 *$   
 $X_{7\_14} + 596 *$

$X_{7_15} + 1722 * X_{7_17} + 2726 * X_{7_18} + 2018 * X_{7_19} + 860 * X_{7_20}$   
 $+ 2210 *$   
 $X_{7_21} + 1540 * X_{7_25} + 596 * X_{7_27} + 1086 * X_{7_28} + 1722 * X_{7_29}$   
 $+ 820 *$   
 $X_{7_30} + 2210 * X_{7_32} + 2726 * X_{7_33} + 2018 * X_{7_34} + 2210 *$   
 $X_{7_35} + 860 *$   
 $X_{7_36} + 1122 * X_{7_37} + 2210 * X_{7_43} + 596 * X_{7_44} + 1540 * X_{7_45}$   
 $+ 1722 *$   
 $X_{7_46} + 1086 * X_{7_47} + 820 * X_{7_48} + 2018 * X_{7_49} + 2726 * X_{7_50}$   
 $+ 1122 *$   
 $X_{7_51} + 860 * X_{7_52} + 2210 * X_{7_53} + 1540 * X_{7_57} + 2018 * X_{7_58}$   
 $+ 2210 *$   
 $X_{7_60} + 820 * X_{7_61} + 1722 * X_{7_62} + 1086 * X_{7_64} + 596 * X_{7_65}$   
 $+ 1122 *$   
 $X_{7_66} + 2210 * X_{7_67} + 2726 * X_{7_69} + 860 * X_{7_72} + 1722 * X_{7_73}$   
 $+ 820 *$   
 $X_{7_74} + 1086 * X_{7_76} + 2018 * X_{7_78} + 2210 * X_{7_79} + 1540 *$   
 $X_{7_80} + 2726 *$   
 $X_{7_82} + 1122 * X_{7_83} + 596 * X_{7_85} + 860 * X_{7_86} + 2210 * X_{7_87}$   
 $+ 1086 *$   
 $X_{7_91} + 1722 * X_{7_92} + 2210 * X_{7_93} + 2018 * X_{7_95} + 820 * X_{7_96}$   
 $+ 596 *$   
 $X_{7_97} + 1122 * X_{7_98} + 2726 * X_{7_100} + 860 * X_{7_102} + 2210 *$   
 $X_{7_103} + 1540 *$   
 $X_{7_104} + 1722 * X_{7_105} + 820 * X_{7_106} + 1086 * X_{7_107} + 2018 *$   
 $X_{7_109} + 2210$   
 $* X_{7_111} + 1540 * X_{7_113} + 2210 * X_{7_114} + 2726 * X_{7_115} + 1122 *$   
 $X_{7_118} +$   
 $596 * X_{7_119} + 860 * X_{7_120} + 596 * X_{7_121} + 820 * X_{7_122} + 2210$   
 $* X_{7_124} +$   
 $1540 * X_{7_125} + 1122 * X_{7_127} + 860 * X_{7_128} + 2210 * X_{7_129} +$   
 $1086 * X_{7_131}$   
 $+ 2726 * X_{7_132} + 1722 * X_{7_133} + 2018 * X_{7_134} + 1086 * X_{7_137} +$   
 $1122 *$   
 $X_{7_140} + 1540 * X_{7_141} + 820 * X_{7_142} + 2210 * X_{7_143} + 596 *$   
 $X_{7_144} + 860 *$   
 $X_{7_146} + 2726 * X_{7_147} + 1122 * X_{7_149} + 2018 * X_{7_150} + 2210 *$   
 $X_{7_151} + 2210$   
 $* X_{7_153} + 1086 * X_{7_154} + 820 * X_{7_155} + 596 * X_{7_156} + 1722 *$   
 $X_{7_159} + 1540$   
 $* X_{7_160} + 860 * X_{7_163} + 1122 * X_{7_164} + 2726 * X_{7_165} + 2018 *$   
 $X_{7_166} +$   
 $2210 * X_{7_167} + 2210 * X_{7_171} + 1540 * X_{7_172} + 1722 * X_{7_173} +$   
 $596 * X_{7_174}$   
 $+ 820 * X_{7_175} + 1086 * X_{7_176} + 1122 * X_{7_177} + 2726 * X_{7_178} +$   
 $860 * X_{7_179}$   
 $+ 596 * X_{7_181} + 2210 * X_{7_183} + 2210 * X_{7_185} + 2018 * X_{7_187} +$   
 $1540 *$   
 $X_{7_188} + 1086 * X_{7_189} + 1722 * X_{7_191} + 820 * X_{7_192} + 860 *$   
 $X_{7_193} + 1122 *$   
 $X_{7_194} + 2210 * X_{7_196} + 2726 * X_{7_197} + 596 * X_{7_200} + 2018 *$   
 $X_{7_201} + 1722$   
 $* X_{7_202} + 1086 * X_{7_203} + 820 * X_{7_204} + 1540 * X_{7_207} + 2210 *$   
 $X_{7_208} +$   
 $1122 * X_{7_210} + 596 * X_{7_212} + 2726 * X_{7_213} + 2210 * X_{7_214} +$   
 $860 * X_{7_215} +$

1540 \* X\_7\_216 + 1086 \* X\_7\_217 + 2018 \* X\_7\_218 + 1722 \* X\_7\_221 +  
 2210 \* X\_7\_222  
 + 820 \* X\_7\_223 + 2210 \* X\_7\_225 + 1540 \* X\_7\_227 + 596 \* X\_7\_228 +  
 860 \* X\_7\_230  
 + 1122 \* X\_7\_231 + 2726 \* X\_7\_232 + 1722 \* X\_7\_233 + 820 \* X\_7\_235 +  
 1086 \*  
 X\_7\_236 + 2210 \* X\_7\_237 + 2018 \* X\_7\_239 <= 15250;  
 [\_1008] 2210 \* X\_8\_1 + 1086 \* X\_8\_2 + 1722 \* X\_8\_3 + 2018 \* X\_8\_4 +  
 2726 \* X\_8\_8 +  
 2210 \* X\_8\_9 + 860 \* X\_8\_11 + 1122 \* X\_8\_12 + 820 \* X\_8\_13 + 1540 \*  
 X\_8\_14 + 596 \*  
 X\_8\_15 + 1722 \* X\_8\_17 + 2726 \* X\_8\_18 + 2018 \* X\_8\_19 + 860 \* X\_8\_20  
 + 2210 \*  
 X\_8\_21 + 1540 \* X\_8\_25 + 596 \* X\_8\_27 + 1086 \* X\_8\_28 + 1722 \* X\_8\_29  
 + 820 \*  
 X\_8\_30 + 2210 \* X\_8\_32 + 2726 \* X\_8\_33 + 2018 \* X\_8\_34 + 2210 \*  
 X\_8\_35 + 860 \*  
 X\_8\_36 + 1122 \* X\_8\_37 + 2210 \* X\_8\_43 + 596 \* X\_8\_44 + 1540 \* X\_8\_45  
 + 1722 \*  
 X\_8\_46 + 1086 \* X\_8\_47 + 820 \* X\_8\_48 + 2018 \* X\_8\_49 + 2726 \* X\_8\_50  
 + 1122 \*  
 X\_8\_51 + 860 \* X\_8\_52 + 2210 \* X\_8\_53 + 1540 \* X\_8\_57 + 2018 \* X\_8\_58  
 + 2210 \*  
 X\_8\_60 + 820 \* X\_8\_61 + 1722 \* X\_8\_62 + 1086 \* X\_8\_64 + 596 \* X\_8\_65  
 + 1122 \*  
 X\_8\_66 + 2210 \* X\_8\_67 + 2726 \* X\_8\_69 + 860 \* X\_8\_72 + 1722 \* X\_8\_73  
 + 820 \*  
 X\_8\_74 + 1086 \* X\_8\_76 + 2018 \* X\_8\_78 + 2210 \* X\_8\_79 + 1540 \*  
 X\_8\_80 + 2726 \*  
 X\_8\_82 + 1122 \* X\_8\_83 + 596 \* X\_8\_85 + 860 \* X\_8\_86 + 2210 \* X\_8\_87  
 + 1086 \*  
 X\_8\_91 + 1722 \* X\_8\_92 + 2210 \* X\_8\_93 + 2018 \* X\_8\_95 + 820 \* X\_8\_96  
 + 596 \*  
 X\_8\_97 + 1122 \* X\_8\_98 + 2726 \* X\_8\_100 + 860 \* X\_8\_102 + 2210 \*  
 X\_8\_103 + 1540 \*  
 X\_8\_104 + 1722 \* X\_8\_105 + 820 \* X\_8\_106 + 1086 \* X\_8\_107 + 2018 \*  
 X\_8\_109 + 2210  
 \* X\_8\_111 + 1540 \* X\_8\_113 + 2210 \* X\_8\_114 + 2726 \* X\_8\_115 + 1122 \*  
 X\_8\_118 +  
 596 \* X\_8\_119 + 860 \* X\_8\_120 + 596 \* X\_8\_121 + 820 \* X\_8\_122 + 2210  
 \* X\_8\_124 +  
 1540 \* X\_8\_125 + 1122 \* X\_8\_127 + 860 \* X\_8\_128 + 2210 \* X\_8\_129 +  
 1086 \* X\_8\_131  
 + 2726 \* X\_8\_132 + 1722 \* X\_8\_133 + 2018 \* X\_8\_134 + 1086 \* X\_8\_137 +  
 1122 \*  
 X\_8\_140 + 1540 \* X\_8\_141 + 820 \* X\_8\_142 + 2210 \* X\_8\_143 + 596 \*  
 X\_8\_144 + 860 \*  
 X\_8\_146 + 2726 \* X\_8\_147 + 1122 \* X\_8\_149 + 2018 \* X\_8\_150 + 2210 \*  
 X\_8\_151 + 2210  
 \* X\_8\_153 + 1086 \* X\_8\_154 + 820 \* X\_8\_155 + 596 \* X\_8\_156 + 1722 \*  
 X\_8\_159 + 1540  
 \* X\_8\_160 + 860 \* X\_8\_163 + 1122 \* X\_8\_164 + 2726 \* X\_8\_165 + 2018 \*  
 X\_8\_166 +  
 2210 \* X\_8\_167 + 2210 \* X\_8\_171 + 1540 \* X\_8\_172 + 1722 \* X\_8\_173 +  
 596 \* X\_8\_174  
 + 820 \* X\_8\_175 + 1086 \* X\_8\_176 + 1122 \* X\_8\_177 + 2726 \* X\_8\_178 +  
 860 \* X\_8\_179

+ 596 \* X\_8\_181 + 2210 \* X\_8\_183 + 2210 \* X\_8\_185 + 2018 \* X\_8\_187 +  
 1540 \*  
 X\_8\_188 + 1086 \* X\_8\_189 + 1722 \* X\_8\_191 + 820 \* X\_8\_192 + 860 \*  
 X\_8\_193 + 1122 \*  
 X\_8\_194 + 2210 \* X\_8\_196 + 2726 \* X\_8\_197 + 596 \* X\_8\_200 + 2018 \*  
 X\_8\_201 + 1722  
 \* X\_8\_202 + 1086 \* X\_8\_203 + 820 \* X\_8\_204 + 1540 \* X\_8\_207 + 2210 \*  
 X\_8\_208 +  
 1122 \* X\_8\_210 + 596 \* X\_8\_212 + 2726 \* X\_8\_213 + 2210 \* X\_8\_214 +  
 860 \* X\_8\_215 +  
 1540 \* X\_8\_216 + 1086 \* X\_8\_217 + 2018 \* X\_8\_218 + 1722 \* X\_8\_221 +  
 2210 \* X\_8\_222  
 + 820 \* X\_8\_223 + 2210 \* X\_8\_225 + 1540 \* X\_8\_227 + 596 \* X\_8\_228 +  
 860 \* X\_8\_230  
 + 1122 \* X\_8\_231 + 2726 \* X\_8\_232 + 1722 \* X\_8\_233 + 820 \* X\_8\_235 +  
 1086 \*  
 X\_8\_236 + 2210 \* X\_8\_237 + 2018 \* X\_8\_239 <= 15250;  
 [\_1009] 2210 \* X\_9\_1 + 1086 \* X\_9\_2 + 1722 \* X\_9\_3 + 2018 \* X\_9\_4 +  
 2726 \* X\_9\_8 +  
 2210 \* X\_9\_9 + 860 \* X\_9\_11 + 1122 \* X\_9\_12 + 820 \* X\_9\_13 + 1540 \*  
 X\_9\_14 + 596 \*  
 X\_9\_15 + 1722 \* X\_9\_17 + 2726 \* X\_9\_18 + 2018 \* X\_9\_19 + 860 \* X\_9\_20  
 + 2210 \*  
 X\_9\_21 + 1540 \* X\_9\_25 + 596 \* X\_9\_27 + 1086 \* X\_9\_28 + 1722 \* X\_9\_29  
 + 820 \*  
 X\_9\_30 + 2210 \* X\_9\_32 + 2726 \* X\_9\_33 + 2018 \* X\_9\_34 + 2210 \*  
 X\_9\_35 + 860 \*  
 X\_9\_36 + 1122 \* X\_9\_37 + 2210 \* X\_9\_43 + 596 \* X\_9\_44 + 1540 \* X\_9\_45  
 + 1722 \*  
 X\_9\_46 + 1086 \* X\_9\_47 + 820 \* X\_9\_48 + 2018 \* X\_9\_49 + 2726 \* X\_9\_50  
 + 1122 \*  
 X\_9\_51 + 860 \* X\_9\_52 + 2210 \* X\_9\_53 + 1540 \* X\_9\_57 + 2018 \* X\_9\_58  
 + 2210 \*  
 X\_9\_60 + 820 \* X\_9\_61 + 1722 \* X\_9\_62 + 1086 \* X\_9\_64 + 596 \* X\_9\_65  
 + 1122 \*  
 X\_9\_66 + 2210 \* X\_9\_67 + 2726 \* X\_9\_69 + 860 \* X\_9\_72 + 1722 \* X\_9\_73  
 + 820 \*  
 X\_9\_74 + 1086 \* X\_9\_76 + 2018 \* X\_9\_78 + 2210 \* X\_9\_79 + 1540 \*  
 X\_9\_80 + 2726 \*  
 X\_9\_82 + 1122 \* X\_9\_83 + 596 \* X\_9\_85 + 860 \* X\_9\_86 + 2210 \* X\_9\_87  
 + 1086 \*  
 X\_9\_91 + 1722 \* X\_9\_92 + 2210 \* X\_9\_93 + 2018 \* X\_9\_95 + 820 \* X\_9\_96  
 + 596 \*  
 X\_9\_97 + 1122 \* X\_9\_98 + 2726 \* X\_9\_100 + 860 \* X\_9\_102 + 2210 \*  
 X\_9\_103 + 1540 \*  
 X\_9\_104 + 1722 \* X\_9\_105 + 820 \* X\_9\_106 + 1086 \* X\_9\_107 + 2018 \*  
 X\_9\_109 + 2210  
 \* X\_9\_111 + 1540 \* X\_9\_113 + 2210 \* X\_9\_114 + 2726 \* X\_9\_115 + 1122 \*  
 X\_9\_118 +  
 596 \* X\_9\_119 + 860 \* X\_9\_120 + 596 \* X\_9\_121 + 820 \* X\_9\_122 + 2210  
 \* X\_9\_124 +  
 1540 \* X\_9\_125 + 1122 \* X\_9\_127 + 860 \* X\_9\_128 + 2210 \* X\_9\_129 +  
 1086 \* X\_9\_131  
 + 2726 \* X\_9\_132 + 1722 \* X\_9\_133 + 2018 \* X\_9\_134 + 1086 \* X\_9\_137 +  
 1122 \*  
 X\_9\_140 + 1540 \* X\_9\_141 + 820 \* X\_9\_142 + 2210 \* X\_9\_143 + 596 \*  
 X\_9\_144 + 860 \*

$X_{9\_146} + 2726 * X_{9\_147} + 1122 * X_{9\_149} + 2018 * X_{9\_150} + 2210 * X_{9\_151} + 2210$   
 $* X_{9\_153} + 1086 * X_{9\_154} + 820 * X_{9\_155} + 596 * X_{9\_156} + 1722 * X_{9\_159} + 1540$   
 $* X_{9\_160} + 860 * X_{9\_163} + 1122 * X_{9\_164} + 2726 * X_{9\_165} + 2018 * X_{9\_166} +$   
 $2210 * X_{9\_167} + 2210 * X_{9\_171} + 1540 * X_{9\_172} + 1722 * X_{9\_173} + 596 * X_{9\_174}$   
 $+ 820 * X_{9\_175} + 1086 * X_{9\_176} + 1122 * X_{9\_177} + 2726 * X_{9\_178} + 860 * X_{9\_179}$   
 $+ 596 * X_{9\_181} + 2210 * X_{9\_183} + 2210 * X_{9\_185} + 2018 * X_{9\_187} + 1540 *$   
 $X_{9\_188} + 1086 * X_{9\_189} + 1722 * X_{9\_191} + 820 * X_{9\_192} + 860 * X_{9\_193} + 1122 *$   
 $X_{9\_194} + 2210 * X_{9\_196} + 2726 * X_{9\_197} + 596 * X_{9\_200} + 2018 * X_{9\_201} + 1722$   
 $* X_{9\_202} + 1086 * X_{9\_203} + 820 * X_{9\_204} + 1540 * X_{9\_207} + 2210 * X_{9\_208} +$   
 $1122 * X_{9\_210} + 596 * X_{9\_212} + 2726 * X_{9\_213} + 2210 * X_{9\_214} + 860 * X_{9\_215} +$   
 $1540 * X_{9\_216} + 1086 * X_{9\_217} + 2018 * X_{9\_218} + 1722 * X_{9\_221} + 2210 * X_{9\_222}$   
 $+ 820 * X_{9\_223} + 2210 * X_{9\_225} + 1540 * X_{9\_227} + 596 * X_{9\_228} + 860 * X_{9\_230}$   
 $+ 1122 * X_{9\_231} + 2726 * X_{9\_232} + 1722 * X_{9\_233} + 820 * X_{9\_235} + 1086 *$   
 $X_{9\_236} + 2210 * X_{9\_237} + 2018 * X_{9\_239} \leq 15250;$   
 $[_{1010}] 2210 * X_{10\_1} + 1086 * X_{10\_2} + 1722 * X_{10\_3} + 2018 * X_{10\_4} + 2726 *$   
 $X_{10\_8} + 2210 * X_{10\_9} + 860 * X_{10\_11} + 1122 * X_{10\_12} + 820 * X_{10\_13} + 1540 *$   
 $X_{10\_14} + 596 * X_{10\_15} + 1722 * X_{10\_17} + 2726 * X_{10\_18} + 2018 * X_{10\_19} + 860 *$   
 $X_{10\_20} + 2210 * X_{10\_21} + 1540 * X_{10\_25} + 596 * X_{10\_27} + 1086 * X_{10\_28} + 1722$   
 $* X_{10\_29} + 820 * X_{10\_30} + 2210 * X_{10\_32} + 2726 * X_{10\_33} + 2018 * X_{10\_34} +$   
 $2210 * X_{10\_35} + 860 * X_{10\_36} + 1122 * X_{10\_37} + 2210 * X_{10\_43} + 596 * X_{10\_44} +$   
 $1540 * X_{10\_45} + 1722 * X_{10\_46} + 1086 * X_{10\_47} + 820 * X_{10\_48} + 2018 * X_{10\_49}$   
 $+ 2726 * X_{10\_50} + 1122 * X_{10\_51} + 860 * X_{10\_52} + 2210 * X_{10\_53} + 1540 *$   
 $X_{10\_57} + 2018 * X_{10\_58} + 2210 * X_{10\_60} + 820 * X_{10\_61} + 1722 * X_{10\_62} + 1086$   
 $* X_{10\_64} + 596 * X_{10\_65} + 1122 * X_{10\_66} + 2210 * X_{10\_67} + 2726 * X_{10\_69} + 860$   
 $* X_{10\_72} + 1722 * X_{10\_73} + 820 * X_{10\_74} + 1086 * X_{10\_76} + 2018 * X_{10\_78} +$   
 $2210 * X_{10\_79} + 1540 * X_{10\_80} + 2726 * X_{10\_82} + 1122 * X_{10\_83} + 596 * X_{10\_85}$   
 $+ 860 * X_{10\_86} + 2210 * X_{10\_87} + 1086 * X_{10\_91} + 1722 * X_{10\_92} + 2210 *$   
 $X_{10\_93} + 2018 * X_{10\_95} + 820 * X_{10\_96} + 596 * X_{10\_97} + 1122 * X_{10\_98} + 2726 *$   
 $X_{10\_100} + 860 * X_{10\_102} + 2210 * X_{10\_103} + 1540 * X_{10\_104} + 1722 * X_{10\_105} +$



820 \* X\_10\_106 + 1086 \* X\_10\_107 + 2018 \* X\_10\_109 + 2210 \* X\_10\_111  
 + 1540 \*  
 X\_10\_113 + 2210 \* X\_10\_114 + 2726 \* X\_10\_115 + 1122 \* X\_10\_118 + 596  
 \* X\_10\_119 +  
 860 \* X\_10\_120 + 596 \* X\_10\_121 + 820 \* X\_10\_122 + 2210 \* X\_10\_124 +  
 1540 \*  
 X\_10\_125 + 1122 \* X\_10\_127 + 860 \* X\_10\_128 + 2210 \* X\_10\_129 + 1086  
 \* X\_10\_131 +  
 2726 \* X\_10\_132 + 1722 \* X\_10\_133 + 2018 \* X\_10\_134 + 1086 \* X\_10\_137  
 + 1122 \*  
 X\_10\_140 + 1540 \* X\_10\_141 + 820 \* X\_10\_142 + 2210 \* X\_10\_143 + 596 \*  
 X\_10\_144 +  
 860 \* X\_10\_146 + 2726 \* X\_10\_147 + 1122 \* X\_10\_149 + 2018 \* X\_10\_150  
 + 2210 \*  
 X\_10\_151 + 2210 \* X\_10\_153 + 1086 \* X\_10\_154 + 820 \* X\_10\_155 + 596 \*  
 X\_10\_156 +  
 1722 \* X\_10\_159 + 1540 \* X\_10\_160 + 860 \* X\_10\_163 + 1122 \* X\_10\_164  
 + 2726 \*  
 X\_10\_165 + 2018 \* X\_10\_166 + 2210 \* X\_10\_167 + 2210 \* X\_10\_171 + 1540  
 \* X\_10\_172 +  
 1722 \* X\_10\_173 + 596 \* X\_10\_174 + 820 \* X\_10\_175 + 1086 \* X\_10\_176 +  
 1122 \*  
 X\_10\_177 + 2726 \* X\_10\_178 + 860 \* X\_10\_179 + 596 \* X\_10\_181 + 2210 \*  
 X\_10\_183 +  
 2210 \* X\_10\_185 + 2018 \* X\_10\_187 + 1540 \* X\_10\_188 + 1086 \* X\_10\_189  
 + 1722 \*  
 X\_10\_191 + 820 \* X\_10\_192 + 860 \* X\_10\_193 + 1122 \* X\_10\_194 + 2210 \*  
 X\_10\_196 +  
 2726 \* X\_10\_197 + 596 \* X\_10\_200 + 2018 \* X\_10\_201 + 1722 \* X\_10\_202  
 + 1086 \*  
 X\_10\_203 + 820 \* X\_10\_204 + 1540 \* X\_10\_207 + 2210 \* X\_10\_208 + 1122  
 \* X\_10\_210 +  
 596 \* X\_10\_212 + 2726 \* X\_10\_213 + 2210 \* X\_10\_214 + 860 \* X\_10\_215 +  
 1540 \*  
 X\_10\_216 + 1086 \* X\_10\_217 + 2018 \* X\_10\_218 + 1722 \* X\_10\_221 + 2210  
 \* X\_10\_222 +  
 820 \* X\_10\_223 + 2210 \* X\_10\_225 + 1540 \* X\_10\_227 + 596 \* X\_10\_228 +  
 860 \*  
 X\_10\_230 + 1122 \* X\_10\_231 + 2726 \* X\_10\_232 + 1722 \* X\_10\_233 + 820  
 \* X\_10\_235 +  
 1086 \* X\_10\_236 + 2210 \* X\_10\_237 + 2018 \* X\_10\_239 <= 15250;  
 [\_1011] 2210 \* X\_11\_1 + 1086 \* X\_11\_2 + 1722 \* X\_11\_3 + 2018 \* X\_11\_4  
 + 2726 \*  
 X\_11\_8 + 2210 \* X\_11\_9 + 860 \* X\_11\_11 + 1122 \* X\_11\_12 + 820 \*  
 X\_11\_13 + 1540 \*  
 X\_11\_14 + 596 \* X\_11\_15 + 1722 \* X\_11\_17 + 2726 \* X\_11\_18 + 2018 \*  
 X\_11\_19 + 860 \*  
 X\_11\_20 + 2210 \* X\_11\_21 + 1540 \* X\_11\_25 + 596 \* X\_11\_27 + 1086 \*  
 X\_11\_28 + 1722  
 \* X\_11\_29 + 820 \* X\_11\_30 + 2210 \* X\_11\_32 + 2726 \* X\_11\_33 + 2018 \*  
 X\_11\_34 +  
 2210 \* X\_11\_35 + 860 \* X\_11\_36 + 1122 \* X\_11\_37 + 2210 \* X\_11\_43 +  
 596 \* X\_11\_44 +  
 1540 \* X\_11\_45 + 1722 \* X\_11\_46 + 1086 \* X\_11\_47 + 820 \* X\_11\_48 +  
 2018 \* X\_11\_49  
 + 2726 \* X\_11\_50 + 1122 \* X\_11\_51 + 860 \* X\_11\_52 + 2210 \* X\_11\_53 +  
 1540 \*

$X_{11\_57} + 2018 * X_{11\_58} + 2210 * X_{11\_60} + 820 * X_{11\_61} + 1722 * X_{11\_62} + 1086$   
 $* X_{11\_64} + 596 * X_{11\_65} + 1122 * X_{11\_66} + 2210 * X_{11\_67} + 2726 * X_{11\_69} + 860$   
 $* X_{11\_72} + 1722 * X_{11\_73} + 820 * X_{11\_74} + 1086 * X_{11\_76} + 2018 * X_{11\_78} +$   
 $2210 * X_{11\_79} + 1540 * X_{11\_80} + 2726 * X_{11\_82} + 1122 * X_{11\_83} + 596 * X_{11\_85}$   
 $+ 860 * X_{11\_86} + 2210 * X_{11\_87} + 1086 * X_{11\_91} + 1722 * X_{11\_92} + 2210 *$   
 $X_{11\_93} + 2018 * X_{11\_95} + 820 * X_{11\_96} + 596 * X_{11\_97} + 1122 * X_{11\_98} + 2726 *$   
 $X_{11\_100} + 860 * X_{11\_102} + 2210 * X_{11\_103} + 1540 * X_{11\_104} + 1722 * X_{11\_105} +$   
 $820 * X_{11\_106} + 1086 * X_{11\_107} + 2018 * X_{11\_109} + 2210 * X_{11\_111} + 1540 *$   
 $X_{11\_113} + 2210 * X_{11\_114} + 2726 * X_{11\_115} + 1122 * X_{11\_118} + 596 * X_{11\_119} +$   
 $860 * X_{11\_120} + 596 * X_{11\_121} + 820 * X_{11\_122} + 2210 * X_{11\_124} + 1540 *$   
 $X_{11\_125} + 1122 * X_{11\_127} + 860 * X_{11\_128} + 2210 * X_{11\_129} + 1086 * X_{11\_131} +$   
 $2726 * X_{11\_132} + 1722 * X_{11\_133} + 2018 * X_{11\_134} + 1086 * X_{11\_137} + 1122 *$   
 $X_{11\_140} + 1540 * X_{11\_141} + 820 * X_{11\_142} + 2210 * X_{11\_143} + 596 * X_{11\_144} +$   
 $860 * X_{11\_146} + 2726 * X_{11\_147} + 1122 * X_{11\_149} + 2018 * X_{11\_150} + 2210 *$   
 $X_{11\_151} + 2210 * X_{11\_153} + 1086 * X_{11\_154} + 820 * X_{11\_155} + 596 * X_{11\_156} +$   
 $1722 * X_{11\_159} + 1540 * X_{11\_160} + 860 * X_{11\_163} + 1122 * X_{11\_164} + 2726 *$   
 $X_{11\_165} + 2018 * X_{11\_166} + 2210 * X_{11\_167} + 2210 * X_{11\_171} + 1540 * X_{11\_172} +$   
 $1722 * X_{11\_173} + 596 * X_{11\_174} + 820 * X_{11\_175} + 1086 * X_{11\_176} + 1122 *$   
 $X_{11\_177} + 2726 * X_{11\_178} + 860 * X_{11\_179} + 596 * X_{11\_181} + 2210 * X_{11\_183} +$   
 $2210 * X_{11\_185} + 2018 * X_{11\_187} + 1540 * X_{11\_188} + 1086 * X_{11\_189} + 1722 *$   
 $X_{11\_191} + 820 * X_{11\_192} + 860 * X_{11\_193} + 1122 * X_{11\_194} + 2210 * X_{11\_196} +$   
 $2726 * X_{11\_197} + 596 * X_{11\_200} + 2018 * X_{11\_201} + 1722 * X_{11\_202} + 1086 *$   
 $X_{11\_203} + 820 * X_{11\_204} + 1540 * X_{11\_207} + 2210 * X_{11\_208} + 1122 * X_{11\_210} +$   
 $596 * X_{11\_212} + 2726 * X_{11\_213} + 2210 * X_{11\_214} + 860 * X_{11\_215} + 1540 *$   
 $X_{11\_216} + 1086 * X_{11\_217} + 2018 * X_{11\_218} + 1722 * X_{11\_221} + 2210 * X_{11\_222} +$   
 $820 * X_{11\_223} + 2210 * X_{11\_225} + 1540 * X_{11\_227} + 596 * X_{11\_228} + 860 *$   
 $X_{11\_230} + 1122 * X_{11\_231} + 2726 * X_{11\_232} + 1722 * X_{11\_233} + 820 * X_{11\_235} +$   
 $1086 * X_{11\_236} + 2210 * X_{11\_237} + 2018 * X_{11\_239} \leq 15250;$   
 $[\_1012] 2210 * X_{12\_1} + 1086 * X_{12\_2} + 1722 * X_{12\_3} + 2018 * X_{12\_4} + 2726 *$

$X_{12\_8} + 2210 * X_{12\_9} + 860 * X_{12\_11} + 1122 * X_{12\_12} + 820 * X_{12\_13} + 1540 * X_{12\_14} + 596 * X_{12\_15} + 1722 * X_{12\_17} + 2726 * X_{12\_18} + 2018 * X_{12\_19} + 860 * X_{12\_20} + 2210 * X_{12\_21} + 1540 * X_{12\_25} + 596 * X_{12\_27} + 1086 * X_{12\_28} + 1722 * X_{12\_29} + 820 * X_{12\_30} + 2210 * X_{12\_32} + 2726 * X_{12\_33} + 2018 * X_{12\_34} + 2210 * X_{12\_35} + 860 * X_{12\_36} + 1122 * X_{12\_37} + 2210 * X_{12\_43} + 596 * X_{12\_44} + 1540 * X_{12\_45} + 1722 * X_{12\_46} + 1086 * X_{12\_47} + 820 * X_{12\_48} + 2018 * X_{12\_49} + 2726 * X_{12\_50} + 1122 * X_{12\_51} + 860 * X_{12\_52} + 2210 * X_{12\_53} + 1540 * X_{12\_57} + 2018 * X_{12\_58} + 2210 * X_{12\_60} + 820 * X_{12\_61} + 1722 * X_{12\_62} + 1086 * X_{12\_64} + 596 * X_{12\_65} + 1122 * X_{12\_66} + 2210 * X_{12\_67} + 2726 * X_{12\_69} + 860 * X_{12\_72} + 1722 * X_{12\_73} + 820 * X_{12\_74} + 1086 * X_{12\_76} + 2018 * X_{12\_78} + 2210 * X_{12\_79} + 1540 * X_{12\_80} + 2726 * X_{12\_82} + 1122 * X_{12\_83} + 596 * X_{12\_85} + 860 * X_{12\_86} + 2210 * X_{12\_87} + 1086 * X_{12\_91} + 1722 * X_{12\_92} + 2210 * X_{12\_93} + 2018 * X_{12\_95} + 820 * X_{12\_96} + 596 * X_{12\_97} + 1122 * X_{12\_98} + 2726 * X_{12\_100} + 860 * X_{12\_102} + 2210 * X_{12\_103} + 1540 * X_{12\_104} + 1722 * X_{12\_105} + 820 * X_{12\_106} + 1086 * X_{12\_107} + 2018 * X_{12\_109} + 2210 * X_{12\_111} + 1540 * X_{12\_113} + 2210 * X_{12\_114} + 2726 * X_{12\_115} + 1122 * X_{12\_118} + 596 * X_{12\_119} + 860 * X_{12\_120} + 596 * X_{12\_121} + 820 * X_{12\_122} + 2210 * X_{12\_124} + 1540 * X_{12\_125} + 1122 * X_{12\_127} + 860 * X_{12\_128} + 2210 * X_{12\_129} + 1086 * X_{12\_131} + 2726 * X_{12\_132} + 1722 * X_{12\_133} + 2018 * X_{12\_134} + 1086 * X_{12\_137} + 1122 * X_{12\_140} + 1540 * X_{12\_141} + 820 * X_{12\_142} + 2210 * X_{12\_143} + 596 * X_{12\_144} + 860 * X_{12\_146} + 2726 * X_{12\_147} + 1122 * X_{12\_149} + 2018 * X_{12\_150} + 2210 * X_{12\_151} + 2210 * X_{12\_153} + 1086 * X_{12\_154} + 820 * X_{12\_155} + 596 * X_{12\_156} + 1722 * X_{12\_159} + 1540 * X_{12\_160} + 860 * X_{12\_163} + 1122 * X_{12\_164} + 2726 * X_{12\_165} + 2018 * X_{12\_166} + 2210 * X_{12\_167} + 2210 * X_{12\_171} + 1540 * X_{12\_172} + 1722 * X_{12\_173} + 596 * X_{12\_174} + 820 * X_{12\_175} + 1086 * X_{12\_176} + 1122 * X_{12\_177} + 2726 * X_{12\_178} + 860 * X_{12\_179} + 596 * X_{12\_181} + 2210 * X_{12\_183} + 2210 * X_{12\_185} + 2018 * X_{12\_187} + 1540 * X_{12\_188} + 1086 * X_{12\_189} + 1722 * X_{12\_191} + 820 * X_{12\_192} + 860 * X_{12\_193} + 1122 * X_{12\_194} + 2210 * X_{12\_196} +$

2726 \* X\_12\_197 + 596 \* X\_12\_200 + 2018 \* X\_12\_201 + 1722 \* X\_12\_202  
 + 1086 \*  
 X\_12\_203 + 820 \* X\_12\_204 + 1540 \* X\_12\_207 + 2210 \* X\_12\_208 + 1122  
 \* X\_12\_210 +  
 596 \* X\_12\_212 + 2726 \* X\_12\_213 + 2210 \* X\_12\_214 + 860 \* X\_12\_215 +  
 1540 \*  
 X\_12\_216 + 1086 \* X\_12\_217 + 2018 \* X\_12\_218 + 1722 \* X\_12\_221 + 2210  
 \* X\_12\_222 +  
 820 \* X\_12\_223 + 2210 \* X\_12\_225 + 1540 \* X\_12\_227 + 596 \* X\_12\_228 +  
 860 \*  
 X\_12\_230 + 1122 \* X\_12\_231 + 2726 \* X\_12\_232 + 1722 \* X\_12\_233 + 820  
 \* X\_12\_235 +  
 1086 \* X\_12\_236 + 2210 \* X\_12\_237 + 2018 \* X\_12\_239 <= 15250;  
 [\_1013] 2210 \* X\_13\_1 + 1086 \* X\_13\_2 + 1722 \* X\_13\_3 + 2018 \* X\_13\_4  
 + 2726 \*  
 X\_13\_8 + 2210 \* X\_13\_9 + 860 \* X\_13\_11 + 1122 \* X\_13\_12 + 820 \*  
 X\_13\_13 + 1540 \*  
 X\_13\_14 + 596 \* X\_13\_15 + 1722 \* X\_13\_17 + 2726 \* X\_13\_18 + 2018 \*  
 X\_13\_19 + 860 \*  
 X\_13\_20 + 2210 \* X\_13\_21 + 1540 \* X\_13\_25 + 596 \* X\_13\_27 + 1086 \*  
 X\_13\_28 + 1722  
 \* X\_13\_29 + 820 \* X\_13\_30 + 2210 \* X\_13\_32 + 2726 \* X\_13\_33 + 2018 \*  
 X\_13\_34 +  
 2210 \* X\_13\_35 + 860 \* X\_13\_36 + 1122 \* X\_13\_37 + 2210 \* X\_13\_43 +  
 596 \* X\_13\_44 +  
 1540 \* X\_13\_45 + 1722 \* X\_13\_46 + 1086 \* X\_13\_47 + 820 \* X\_13\_48 +  
 2018 \* X\_13\_49  
 + 2726 \* X\_13\_50 + 1122 \* X\_13\_51 + 860 \* X\_13\_52 + 2210 \* X\_13\_53 +  
 1540 \*  
 X\_13\_57 + 2018 \* X\_13\_58 + 2210 \* X\_13\_60 + 820 \* X\_13\_61 + 1722 \*  
 X\_13\_62 + 1086  
 \* X\_13\_64 + 596 \* X\_13\_65 + 1122 \* X\_13\_66 + 2210 \* X\_13\_67 + 2726 \*  
 X\_13\_69 + 860  
 \* X\_13\_72 + 1722 \* X\_13\_73 + 820 \* X\_13\_74 + 1086 \* X\_13\_76 + 2018 \*  
 X\_13\_78 +  
 2210 \* X\_13\_79 + 1540 \* X\_13\_80 + 2726 \* X\_13\_82 + 1122 \* X\_13\_83 +  
 596 \* X\_13\_85  
 + 860 \* X\_13\_86 + 2210 \* X\_13\_87 + 1086 \* X\_13\_91 + 1722 \* X\_13\_92 +  
 2210 \*  
 X\_13\_93 + 2018 \* X\_13\_95 + 820 \* X\_13\_96 + 596 \* X\_13\_97 + 1122 \*  
 X\_13\_98 + 2726 \*  
 X\_13\_100 + 860 \* X\_13\_102 + 2210 \* X\_13\_103 + 1540 \* X\_13\_104 + 1722  
 \* X\_13\_105 +  
 820 \* X\_13\_106 + 1086 \* X\_13\_107 + 2018 \* X\_13\_109 + 2210 \* X\_13\_111  
 + 1540 \*  
 X\_13\_113 + 2210 \* X\_13\_114 + 2726 \* X\_13\_115 + 1122 \* X\_13\_118 + 596  
 \* X\_13\_119 +  
 860 \* X\_13\_120 + 596 \* X\_13\_121 + 820 \* X\_13\_122 + 2210 \* X\_13\_124 +  
 1540 \*  
 X\_13\_125 + 1122 \* X\_13\_127 + 860 \* X\_13\_128 + 2210 \* X\_13\_129 + 1086  
 \* X\_13\_131 +  
 2726 \* X\_13\_132 + 1722 \* X\_13\_133 + 2018 \* X\_13\_134 + 1086 \* X\_13\_137  
 + 1122 \*  
 X\_13\_140 + 1540 \* X\_13\_141 + 820 \* X\_13\_142 + 2210 \* X\_13\_143 + 596 \*  
 X\_13\_144 +  
 860 \* X\_13\_146 + 2726 \* X\_13\_147 + 1122 \* X\_13\_149 + 2018 \* X\_13\_150  
 + 2210 \*

$X_{13\_151} + 2210 * X_{13\_153} + 1086 * X_{13\_154} + 820 * X_{13\_155} + 596 * X_{13\_156} +$   
 $1722 * X_{13\_159} + 1540 * X_{13\_160} + 860 * X_{13\_163} + 1122 * X_{13\_164} + 2726 * X_{13\_165} +$   
 $2018 * X_{13\_166} + 2210 * X_{13\_167} + 2210 * X_{13\_171} + 1540 * X_{13\_172} +$   
 $1722 * X_{13\_173} + 596 * X_{13\_174} + 820 * X_{13\_175} + 1086 * X_{13\_176} + 1122 * X_{13\_177} +$   
 $2726 * X_{13\_178} + 860 * X_{13\_179} + 596 * X_{13\_181} + 2210 * X_{13\_183} + 2210 * X_{13\_185} +$   
 $2018 * X_{13\_187} + 1540 * X_{13\_188} + 1086 * X_{13\_189} + 1722 * X_{13\_191} + 820 * X_{13\_192} +$   
 $860 * X_{13\_193} + 1122 * X_{13\_194} + 2210 * X_{13\_196} + 2726 * X_{13\_197} + 596 * X_{13\_200} +$   
 $2018 * X_{13\_201} + 1722 * X_{13\_202} + 1086 * X_{13\_203} + 820 * X_{13\_204} + 1540 * X_{13\_207} +$   
 $2210 * X_{13\_208} + 1122 * X_{13\_210} + 596 * X_{13\_212} + 2726 * X_{13\_213} + 2210 * X_{13\_214} +$   
 $860 * X_{13\_215} + 1540 * X_{13\_216} + 1086 * X_{13\_217} + 2018 * X_{13\_218} + 1722 * X_{13\_221} + 2210 * X_{13\_222} +$   
 $820 * X_{13\_223} + 2210 * X_{13\_225} + 1540 * X_{13\_227} + 596 * X_{13\_228} + 860 * X_{13\_230} +$   
 $1122 * X_{13\_231} + 2726 * X_{13\_232} + 1722 * X_{13\_233} + 820 * X_{13\_235} + 1086 * X_{13\_236} +$   
 $2210 * X_{13\_237} + 2018 * X_{13\_239} \leq 15250;$   
 $[\_1014] 2210 * X_{14\_1} + 1086 * X_{14\_2} + 1722 * X_{14\_3} + 2018 * X_{14\_4} + 2726 * X_{14\_8} +$   
 $2210 * X_{14\_9} + 860 * X_{14\_11} + 1122 * X_{14\_12} + 820 * X_{14\_13} + 1540 * X_{14\_14} +$   
 $596 * X_{14\_15} + 1722 * X_{14\_17} + 2726 * X_{14\_18} + 2018 * X_{14\_19} + 860 * X_{14\_20} +$   
 $2210 * X_{14\_21} + 1540 * X_{14\_25} + 596 * X_{14\_27} + 1086 * X_{14\_28} + 1722 * X_{14\_29} +$   
 $820 * X_{14\_30} + 2210 * X_{14\_32} + 2726 * X_{14\_33} + 2018 * X_{14\_34} + 2210 * X_{14\_35} +$   
 $860 * X_{14\_36} + 1122 * X_{14\_37} + 2210 * X_{14\_43} + 596 * X_{14\_44} + 1540 * X_{14\_45} +$   
 $1722 * X_{14\_46} + 1086 * X_{14\_47} + 820 * X_{14\_48} + 2018 * X_{14\_49} + 2726 * X_{14\_50} +$   
 $1122 * X_{14\_51} + 860 * X_{14\_52} + 2210 * X_{14\_53} + 1540 * X_{14\_57} + 2018 * X_{14\_58} +$   
 $2210 * X_{14\_60} + 820 * X_{14\_61} + 1722 * X_{14\_62} + 1086 * X_{14\_64} + 596 * X_{14\_65} +$   
 $1122 * X_{14\_66} + 2210 * X_{14\_67} + 2726 * X_{14\_69} + 860 * X_{14\_72} + 1722 * X_{14\_73} +$   
 $820 * X_{14\_74} + 1086 * X_{14\_76} + 2018 * X_{14\_78} + 2210 * X_{14\_79} + 1540 * X_{14\_80} +$   
 $2726 * X_{14\_82} + 1122 * X_{14\_83} + 596 * X_{14\_85} + 860 * X_{14\_86} + 2210 * X_{14\_87} +$   
 $1086 * X_{14\_91} + 1722 * X_{14\_92} + 2210 * X_{14\_93} + 2018 * X_{14\_95} + 820 * X_{14\_96} +$   
 $596 * X_{14\_97} + 1122 * X_{14\_98} + 2726 * X_{14\_100} + 860 * X_{14\_102} + 2210 * X_{14\_103} +$   
 $1540 * X_{14\_104} + 1722 * X_{14\_105} +$

820 \* X\_14\_106 + 1086 \* X\_14\_107 + 2018 \* X\_14\_109 + 2210 \* X\_14\_111  
 + 1540 \*  
 X\_14\_113 + 2210 \* X\_14\_114 + 2726 \* X\_14\_115 + 1122 \* X\_14\_118 + 596  
 \* X\_14\_119 +  
 860 \* X\_14\_120 + 596 \* X\_14\_121 + 820 \* X\_14\_122 + 2210 \* X\_14\_124 +  
 1540 \*  
 X\_14\_125 + 1122 \* X\_14\_127 + 860 \* X\_14\_128 + 2210 \* X\_14\_129 + 1086  
 \* X\_14\_131 +  
 2726 \* X\_14\_132 + 1722 \* X\_14\_133 + 2018 \* X\_14\_134 + 1086 \* X\_14\_137  
 + 1122 \*  
 X\_14\_140 + 1540 \* X\_14\_141 + 820 \* X\_14\_142 + 2210 \* X\_14\_143 + 596 \*  
 X\_14\_144 +  
 860 \* X\_14\_146 + 2726 \* X\_14\_147 + 1122 \* X\_14\_149 + 2018 \* X\_14\_150  
 + 2210 \*  
 X\_14\_151 + 2210 \* X\_14\_153 + 1086 \* X\_14\_154 + 820 \* X\_14\_155 + 596 \*  
 X\_14\_156 +  
 1722 \* X\_14\_159 + 1540 \* X\_14\_160 + 860 \* X\_14\_163 + 1122 \* X\_14\_164  
 + 2726 \*  
 X\_14\_165 + 2018 \* X\_14\_166 + 2210 \* X\_14\_167 + 2210 \* X\_14\_171 + 1540  
 \* X\_14\_172 +  
 1722 \* X\_14\_173 + 596 \* X\_14\_174 + 820 \* X\_14\_175 + 1086 \* X\_14\_176 +  
 1122 \*  
 X\_14\_177 + 2726 \* X\_14\_178 + 860 \* X\_14\_179 + 596 \* X\_14\_181 + 2210 \*  
 X\_14\_183 +  
 2210 \* X\_14\_185 + 2018 \* X\_14\_187 + 1540 \* X\_14\_188 + 1086 \* X\_14\_189  
 + 1722 \*  
 X\_14\_191 + 820 \* X\_14\_192 + 860 \* X\_14\_193 + 1122 \* X\_14\_194 + 2210 \*  
 X\_14\_196 +  
 2726 \* X\_14\_197 + 596 \* X\_14\_200 + 2018 \* X\_14\_201 + 1722 \* X\_14\_202  
 + 1086 \*  
 X\_14\_203 + 820 \* X\_14\_204 + 1540 \* X\_14\_207 + 2210 \* X\_14\_208 + 1122  
 \* X\_14\_210 +  
 596 \* X\_14\_212 + 2726 \* X\_14\_213 + 2210 \* X\_14\_214 + 860 \* X\_14\_215 +  
 1540 \*  
 X\_14\_216 + 1086 \* X\_14\_217 + 2018 \* X\_14\_218 + 1722 \* X\_14\_221 + 2210  
 \* X\_14\_222 +  
 820 \* X\_14\_223 + 2210 \* X\_14\_225 + 1540 \* X\_14\_227 + 596 \* X\_14\_228 +  
 860 \*  
 X\_14\_230 + 1122 \* X\_14\_231 + 2726 \* X\_14\_232 + 1722 \* X\_14\_233 + 820  
 \* X\_14\_235 +  
 1086 \* X\_14\_236 + 2210 \* X\_14\_237 + 2018 \* X\_14\_239 <= 15250;  
 [\_1015] 2210 \* X\_15\_1 + 1086 \* X\_15\_2 + 1722 \* X\_15\_3 + 2018 \* X\_15\_4  
 + 2726 \*  
 X\_15\_8 + 2210 \* X\_15\_9 + 860 \* X\_15\_11 + 1122 \* X\_15\_12 + 820 \*  
 X\_15\_13 + 1540 \*  
 X\_15\_14 + 596 \* X\_15\_15 + 1722 \* X\_15\_17 + 2726 \* X\_15\_18 + 2018 \*  
 X\_15\_19 + 860 \*  
 X\_15\_20 + 2210 \* X\_15\_21 + 1540 \* X\_15\_25 + 596 \* X\_15\_27 + 1086 \*  
 X\_15\_28 + 1722  
 \* X\_15\_29 + 820 \* X\_15\_30 + 2210 \* X\_15\_32 + 2726 \* X\_15\_33 + 2018 \*  
 X\_15\_34 +  
 2210 \* X\_15\_35 + 860 \* X\_15\_36 + 1122 \* X\_15\_37 + 2210 \* X\_15\_43 +  
 596 \* X\_15\_44 +  
 1540 \* X\_15\_45 + 1722 \* X\_15\_46 + 1086 \* X\_15\_47 + 820 \* X\_15\_48 +  
 2018 \* X\_15\_49  
 + 2726 \* X\_15\_50 + 1122 \* X\_15\_51 + 860 \* X\_15\_52 + 2210 \* X\_15\_53 +  
 1540 \*

$X_{15\_57} + 2018 * X_{15\_58} + 2210 * X_{15\_60} + 820 * X_{15\_61} + 1722 * X_{15\_62} + 1086$   
 $* X_{15\_64} + 596 * X_{15\_65} + 1122 * X_{15\_66} + 2210 * X_{15\_67} + 2726 * X_{15\_69} + 860$   
 $* X_{15\_72} + 1722 * X_{15\_73} + 820 * X_{15\_74} + 1086 * X_{15\_76} + 2018 * X_{15\_78} +$   
 $2210 * X_{15\_79} + 1540 * X_{15\_80} + 2726 * X_{15\_82} + 1122 * X_{15\_83} + 596 * X_{15\_85}$   
 $+ 860 * X_{15\_86} + 2210 * X_{15\_87} + 1086 * X_{15\_91} + 1722 * X_{15\_92} + 2210 *$   
 $X_{15\_93} + 2018 * X_{15\_95} + 820 * X_{15\_96} + 596 * X_{15\_97} + 1122 * X_{15\_98} + 2726 *$   
 $X_{15\_100} + 860 * X_{15\_102} + 2210 * X_{15\_103} + 1540 * X_{15\_104} + 1722 * X_{15\_105} +$   
 $820 * X_{15\_106} + 1086 * X_{15\_107} + 2018 * X_{15\_109} + 2210 * X_{15\_111} + 1540 *$   
 $X_{15\_113} + 2210 * X_{15\_114} + 2726 * X_{15\_115} + 1122 * X_{15\_118} + 596 * X_{15\_119} +$   
 $860 * X_{15\_120} + 596 * X_{15\_121} + 820 * X_{15\_122} + 2210 * X_{15\_124} + 1540 *$   
 $X_{15\_125} + 1122 * X_{15\_127} + 860 * X_{15\_128} + 2210 * X_{15\_129} + 1086 * X_{15\_131} +$   
 $2726 * X_{15\_132} + 1722 * X_{15\_133} + 2018 * X_{15\_134} + 1086 * X_{15\_137} + 1122 *$   
 $X_{15\_140} + 1540 * X_{15\_141} + 820 * X_{15\_142} + 2210 * X_{15\_143} + 596 * X_{15\_144} +$   
 $860 * X_{15\_146} + 2726 * X_{15\_147} + 1122 * X_{15\_149} + 2018 * X_{15\_150} + 2210 *$   
 $X_{15\_151} + 2210 * X_{15\_153} + 1086 * X_{15\_154} + 820 * X_{15\_155} + 596 * X_{15\_156} +$   
 $1722 * X_{15\_159} + 1540 * X_{15\_160} + 860 * X_{15\_163} + 1122 * X_{15\_164} + 2726 *$   
 $X_{15\_165} + 2018 * X_{15\_166} + 2210 * X_{15\_167} + 2210 * X_{15\_171} + 1540 * X_{15\_172} +$   
 $1722 * X_{15\_173} + 596 * X_{15\_174} + 820 * X_{15\_175} + 1086 * X_{15\_176} + 1122 *$   
 $X_{15\_177} + 2726 * X_{15\_178} + 860 * X_{15\_179} + 596 * X_{15\_181} + 2210 * X_{15\_183} +$   
 $2210 * X_{15\_185} + 2018 * X_{15\_187} + 1540 * X_{15\_188} + 1086 * X_{15\_189} + 1722 *$   
 $X_{15\_191} + 820 * X_{15\_192} + 860 * X_{15\_193} + 1122 * X_{15\_194} + 2210 * X_{15\_196} +$   
 $2726 * X_{15\_197} + 596 * X_{15\_200} + 2018 * X_{15\_201} + 1722 * X_{15\_202} + 1086 *$   
 $X_{15\_203} + 820 * X_{15\_204} + 1540 * X_{15\_207} + 2210 * X_{15\_208} + 1122 * X_{15\_210} +$   
 $596 * X_{15\_212} + 2726 * X_{15\_213} + 2210 * X_{15\_214} + 860 * X_{15\_215} + 1540 *$   
 $X_{15\_216} + 1086 * X_{15\_217} + 2018 * X_{15\_218} + 1722 * X_{15\_221} + 2210 * X_{15\_222} +$   
 $820 * X_{15\_223} + 2210 * X_{15\_225} + 1540 * X_{15\_227} + 596 * X_{15\_228} + 860 *$   
 $X_{15\_230} + 1122 * X_{15\_231} + 2726 * X_{15\_232} + 1722 * X_{15\_233} + 820 * X_{15\_235} +$   
 $1086 * X_{15\_236} + 2210 * X_{15\_237} + 2018 * X_{15\_239} \leq 15250;$   
 $[_1016] 2210 * X_{16\_1} + 1086 * X_{16\_2} + 1722 * X_{16\_3} + 2018 * X_{16\_4} + 2726 *$

$X_{16\_8} + 2210 * X_{16\_9} + 860 * X_{16\_11} + 1122 * X_{16\_12} + 820 * X_{16\_13} + 1540 * X_{16\_14} + 596 * X_{16\_15} + 1722 * X_{16\_17} + 2726 * X_{16\_18} + 2018 * X_{16\_19} + 860 * X_{16\_20} + 2210 * X_{16\_21} + 1540 * X_{16\_25} + 596 * X_{16\_27} + 1086 * X_{16\_28} + 1722 * X_{16\_29} + 820 * X_{16\_30} + 2210 * X_{16\_32} + 2726 * X_{16\_33} + 2018 * X_{16\_34} + 2210 * X_{16\_35} + 860 * X_{16\_36} + 1122 * X_{16\_37} + 2210 * X_{16\_43} + 596 * X_{16\_44} + 1540 * X_{16\_45} + 1722 * X_{16\_46} + 1086 * X_{16\_47} + 820 * X_{16\_48} + 2018 * X_{16\_49} + 2726 * X_{16\_50} + 1122 * X_{16\_51} + 860 * X_{16\_52} + 2210 * X_{16\_53} + 1540 * X_{16\_57} + 2018 * X_{16\_58} + 2210 * X_{16\_60} + 820 * X_{16\_61} + 1722 * X_{16\_62} + 1086 * X_{16\_64} + 596 * X_{16\_65} + 1122 * X_{16\_66} + 2210 * X_{16\_67} + 2726 * X_{16\_69} + 860 * X_{16\_72} + 1722 * X_{16\_73} + 820 * X_{16\_74} + 1086 * X_{16\_76} + 2018 * X_{16\_78} + 2210 * X_{16\_79} + 1540 * X_{16\_80} + 2726 * X_{16\_82} + 1122 * X_{16\_83} + 596 * X_{16\_85} + 860 * X_{16\_86} + 2210 * X_{16\_87} + 1086 * X_{16\_91} + 1722 * X_{16\_92} + 2210 * X_{16\_93} + 2018 * X_{16\_95} + 820 * X_{16\_96} + 596 * X_{16\_97} + 1122 * X_{16\_98} + 2726 * X_{16\_100} + 860 * X_{16\_102} + 2210 * X_{16\_103} + 1540 * X_{16\_104} + 1722 * X_{16\_105} + 820 * X_{16\_106} + 1086 * X_{16\_107} + 2018 * X_{16\_109} + 2210 * X_{16\_111} + 1540 * X_{16\_113} + 2210 * X_{16\_114} + 2726 * X_{16\_115} + 1122 * X_{16\_118} + 596 * X_{16\_119} + 860 * X_{16\_120} + 596 * X_{16\_121} + 820 * X_{16\_122} + 2210 * X_{16\_124} + 1540 * X_{16\_125} + 1122 * X_{16\_127} + 860 * X_{16\_128} + 2210 * X_{16\_129} + 1086 * X_{16\_131} + 2726 * X_{16\_132} + 1722 * X_{16\_133} + 2018 * X_{16\_134} + 1086 * X_{16\_137} + 1122 * X_{16\_140} + 1540 * X_{16\_141} + 820 * X_{16\_142} + 2210 * X_{16\_143} + 596 * X_{16\_144} + 860 * X_{16\_146} + 2726 * X_{16\_147} + 1122 * X_{16\_149} + 2018 * X_{16\_150} + 2210 * X_{16\_151} + 2210 * X_{16\_153} + 1086 * X_{16\_154} + 820 * X_{16\_155} + 596 * X_{16\_156} + 1722 * X_{16\_159} + 1540 * X_{16\_160} + 860 * X_{16\_163} + 1122 * X_{16\_164} + 2726 * X_{16\_165} + 2018 * X_{16\_166} + 2210 * X_{16\_167} + 2210 * X_{16\_171} + 1540 * X_{16\_172} + 1722 * X_{16\_173} + 596 * X_{16\_174} + 820 * X_{16\_175} + 1086 * X_{16\_176} + 1122 * X_{16\_177} + 2726 * X_{16\_178} + 860 * X_{16\_179} + 596 * X_{16\_181} + 2210 * X_{16\_183} + 2210 * X_{16\_185} + 2018 * X_{16\_187} + 1540 * X_{16\_188} + 1086 * X_{16\_189} + 1722 * X_{16\_191} + 820 * X_{16\_192} + 860 * X_{16\_193} + 1122 * X_{16\_194} + 2210 * X_{16\_196} +$



2726 \* X\_16\_197 + 596 \* X\_16\_200 + 2018 \* X\_16\_201 + 1722 \* X\_16\_202  
 + 1086 \*  
 X\_16\_203 + 820 \* X\_16\_204 + 1540 \* X\_16\_207 + 2210 \* X\_16\_208 + 1122  
 \* X\_16\_210 +  
 596 \* X\_16\_212 + 2726 \* X\_16\_213 + 2210 \* X\_16\_214 + 860 \* X\_16\_215 +  
 1540 \*  
 X\_16\_216 + 1086 \* X\_16\_217 + 2018 \* X\_16\_218 + 1722 \* X\_16\_221 + 2210  
 \* X\_16\_222 +  
 820 \* X\_16\_223 + 2210 \* X\_16\_225 + 1540 \* X\_16\_227 + 596 \* X\_16\_228 +  
 860 \*  
 X\_16\_230 + 1122 \* X\_16\_231 + 2726 \* X\_16\_232 + 1722 \* X\_16\_233 + 820  
 \* X\_16\_235 +  
 1086 \* X\_16\_236 + 2210 \* X\_16\_237 + 2018 \* X\_16\_239 <= 15250;  
 [\_1017] 2210 \* X\_17\_1 + 1086 \* X\_17\_2 + 1722 \* X\_17\_3 + 2018 \* X\_17\_4  
 + 2726 \*  
 X\_17\_8 + 2210 \* X\_17\_9 + 860 \* X\_17\_11 + 1122 \* X\_17\_12 + 820 \*  
 X\_17\_13 + 1540 \*  
 X\_17\_14 + 596 \* X\_17\_15 + 1722 \* X\_17\_17 + 2726 \* X\_17\_18 + 2018 \*  
 X\_17\_19 + 860 \*  
 X\_17\_20 + 2210 \* X\_17\_21 + 1540 \* X\_17\_25 + 596 \* X\_17\_27 + 1086 \*  
 X\_17\_28 + 1722  
 \* X\_17\_29 + 820 \* X\_17\_30 + 2210 \* X\_17\_32 + 2726 \* X\_17\_33 + 2018 \*  
 X\_17\_34 +  
 2210 \* X\_17\_35 + 860 \* X\_17\_36 + 1122 \* X\_17\_37 + 2210 \* X\_17\_43 +  
 596 \* X\_17\_44 +  
 1540 \* X\_17\_45 + 1722 \* X\_17\_46 + 1086 \* X\_17\_47 + 820 \* X\_17\_48 +  
 2018 \* X\_17\_49  
 + 2726 \* X\_17\_50 + 1122 \* X\_17\_51 + 860 \* X\_17\_52 + 2210 \* X\_17\_53 +  
 1540 \*  
 X\_17\_57 + 2018 \* X\_17\_58 + 2210 \* X\_17\_60 + 820 \* X\_17\_61 + 1722 \*  
 X\_17\_62 + 1086  
 \* X\_17\_64 + 596 \* X\_17\_65 + 1122 \* X\_17\_66 + 2210 \* X\_17\_67 + 2726 \*  
 X\_17\_69 + 860  
 \* X\_17\_72 + 1722 \* X\_17\_73 + 820 \* X\_17\_74 + 1086 \* X\_17\_76 + 2018 \*  
 X\_17\_78 +  
 2210 \* X\_17\_79 + 1540 \* X\_17\_80 + 2726 \* X\_17\_82 + 1122 \* X\_17\_83 +  
 596 \* X\_17\_85  
 + 860 \* X\_17\_86 + 2210 \* X\_17\_87 + 1086 \* X\_17\_91 + 1722 \* X\_17\_92 +  
 2210 \*  
 X\_17\_93 + 2018 \* X\_17\_95 + 820 \* X\_17\_96 + 596 \* X\_17\_97 + 1122 \*  
 X\_17\_98 + 2726 \*  
 X\_17\_100 + 860 \* X\_17\_102 + 2210 \* X\_17\_103 + 1540 \* X\_17\_104 + 1722  
 \* X\_17\_105 +  
 820 \* X\_17\_106 + 1086 \* X\_17\_107 + 2018 \* X\_17\_109 + 2210 \* X\_17\_111  
 + 1540 \*  
 X\_17\_113 + 2210 \* X\_17\_114 + 2726 \* X\_17\_115 + 1122 \* X\_17\_118 + 596  
 \* X\_17\_119 +  
 860 \* X\_17\_120 + 596 \* X\_17\_121 + 820 \* X\_17\_122 + 2210 \* X\_17\_124 +  
 1540 \*  
 X\_17\_125 + 1122 \* X\_17\_127 + 860 \* X\_17\_128 + 2210 \* X\_17\_129 + 1086  
 \* X\_17\_131 +  
 2726 \* X\_17\_132 + 1722 \* X\_17\_133 + 2018 \* X\_17\_134 + 1086 \* X\_17\_137  
 + 1122 \*  
 X\_17\_140 + 1540 \* X\_17\_141 + 820 \* X\_17\_142 + 2210 \* X\_17\_143 + 596 \*  
 X\_17\_144 +  
 860 \* X\_17\_146 + 2726 \* X\_17\_147 + 1122 \* X\_17\_149 + 2018 \* X\_17\_150  
 + 2210 \*

$X_{17\_151} + 2210 * X_{17\_153} + 1086 * X_{17\_154} + 820 * X_{17\_155} + 596 * X_{17\_156} +$   
 $1722 * X_{17\_159} + 1540 * X_{17\_160} + 860 * X_{17\_163} + 1122 * X_{17\_164} + 2726 * X_{17\_165} +$   
 $2018 * X_{17\_166} + 2210 * X_{17\_167} + 2210 * X_{17\_171} + 1540 * X_{17\_172} +$   
 $1722 * X_{17\_173} + 596 * X_{17\_174} + 820 * X_{17\_175} + 1086 * X_{17\_176} + 1122 * X_{17\_177} +$   
 $2726 * X_{17\_178} + 860 * X_{17\_179} + 596 * X_{17\_181} + 2210 * X_{17\_183} + 2210 * X_{17\_185} +$   
 $2018 * X_{17\_187} + 1540 * X_{17\_188} + 1086 * X_{17\_189} + 1722 * X_{17\_191} + 820 * X_{17\_192} +$   
 $860 * X_{17\_193} + 1122 * X_{17\_194} + 2210 * X_{17\_196} + 2726 * X_{17\_197} + 596 * X_{17\_200} +$   
 $2018 * X_{17\_201} + 1722 * X_{17\_202} + 1086 * X_{17\_203} + 820 * X_{17\_204} + 1540 * X_{17\_207} +$   
 $2210 * X_{17\_208} + 1122 * X_{17\_210} + 596 * X_{17\_212} + 2726 * X_{17\_213} + 2210 * X_{17\_214} + 860 * X_{17\_215} +$   
 $1540 * X_{17\_216} + 1086 * X_{17\_217} + 2018 * X_{17\_218} + 1722 * X_{17\_221} + 2210 * X_{17\_222} +$   
 $820 * X_{17\_223} + 2210 * X_{17\_225} + 1540 * X_{17\_227} + 596 * X_{17\_228} + 860 * X_{17\_230} +$   
 $1122 * X_{17\_231} + 2726 * X_{17\_232} + 1722 * X_{17\_233} + 820 * X_{17\_235} + 1086 * X_{17\_236} +$   
 $2210 * X_{17\_237} + 2018 * X_{17\_239} \leq 15250;$   
 $[_{1018}] 2210 * X_{18\_1} + 1086 * X_{18\_2} + 1722 * X_{18\_3} + 2018 * X_{18\_4} + 2726 * X_{18\_8} +$   
 $2210 * X_{18\_9} + 860 * X_{18\_11} + 1122 * X_{18\_12} + 820 * X_{18\_13} + 1540 * X_{18\_14} + 596 * X_{18\_15} +$   
 $1722 * X_{18\_17} + 2726 * X_{18\_18} + 2018 * X_{18\_19} + 860 * X_{18\_20} + 2210 * X_{18\_21} + 1540 * X_{18\_25} +$   
 $596 * X_{18\_27} + 1086 * X_{18\_28} + 1722 * X_{18\_29} + 820 * X_{18\_30} + 2210 * X_{18\_32} + 2726 * X_{18\_33} + 2018 * X_{18\_34} +$   
 $2210 * X_{18\_35} + 860 * X_{18\_36} + 1122 * X_{18\_37} + 2210 * X_{18\_43} + 596 * X_{18\_44} + 1540 * X_{18\_45} +$   
 $1722 * X_{18\_46} + 1086 * X_{18\_47} + 820 * X_{18\_48} + 2018 * X_{18\_49} + 2726 * X_{18\_50} + 1122 * X_{18\_51} +$   
 $860 * X_{18\_52} + 2210 * X_{18\_53} + 1540 * X_{18\_57} + 2018 * X_{18\_58} + 2210 * X_{18\_60} + 820 * X_{18\_61} + 1722 * X_{18\_62} +$   
 $1086 * X_{18\_64} + 596 * X_{18\_65} + 1122 * X_{18\_66} + 2210 * X_{18\_67} + 2726 * X_{18\_69} + 860 * X_{18\_72} +$   
 $1722 * X_{18\_73} + 820 * X_{18\_74} + 1086 * X_{18\_76} + 2018 * X_{18\_78} + 2210 * X_{18\_79} + 1540 * X_{18\_80} +$   
 $2726 * X_{18\_82} + 1122 * X_{18\_83} + 596 * X_{18\_85} + 860 * X_{18\_86} + 2210 * X_{18\_87} + 1086 * X_{18\_91} + 1722 * X_{18\_92} +$   
 $2210 * X_{18\_93} + 2018 * X_{18\_95} + 820 * X_{18\_96} + 596 * X_{18\_97} + 1122 * X_{18\_98} + 2726 * X_{18\_100} +$   
 $860 * X_{18\_102} + 2210 * X_{18\_103} + 1540 * X_{18\_104} + 1722 * X_{18\_105} +$

820 \* X\_18\_106 + 1086 \* X\_18\_107 + 2018 \* X\_18\_109 + 2210 \* X\_18\_111  
 + 1540 \*  
 X\_18\_113 + 2210 \* X\_18\_114 + 2726 \* X\_18\_115 + 1122 \* X\_18\_118 + 596  
 \* X\_18\_119 +  
 860 \* X\_18\_120 + 596 \* X\_18\_121 + 820 \* X\_18\_122 + 2210 \* X\_18\_124 +  
 1540 \*  
 X\_18\_125 + 1122 \* X\_18\_127 + 860 \* X\_18\_128 + 2210 \* X\_18\_129 + 1086  
 \* X\_18\_131 +  
 2726 \* X\_18\_132 + 1722 \* X\_18\_133 + 2018 \* X\_18\_134 + 1086 \* X\_18\_137  
 + 1122 \*  
 X\_18\_140 + 1540 \* X\_18\_141 + 820 \* X\_18\_142 + 2210 \* X\_18\_143 + 596 \*  
 X\_18\_144 +  
 860 \* X\_18\_146 + 2726 \* X\_18\_147 + 1122 \* X\_18\_149 + 2018 \* X\_18\_150  
 + 2210 \*  
 X\_18\_151 + 2210 \* X\_18\_153 + 1086 \* X\_18\_154 + 820 \* X\_18\_155 + 596 \*  
 X\_18\_156 +  
 1722 \* X\_18\_159 + 1540 \* X\_18\_160 + 860 \* X\_18\_163 + 1122 \* X\_18\_164  
 + 2726 \*  
 X\_18\_165 + 2018 \* X\_18\_166 + 2210 \* X\_18\_167 + 2210 \* X\_18\_171 + 1540  
 \* X\_18\_172 +  
 1722 \* X\_18\_173 + 596 \* X\_18\_174 + 820 \* X\_18\_175 + 1086 \* X\_18\_176 +  
 1122 \*  
 X\_18\_177 + 2726 \* X\_18\_178 + 860 \* X\_18\_179 + 596 \* X\_18\_181 + 2210 \*  
 X\_18\_183 +  
 2210 \* X\_18\_185 + 2018 \* X\_18\_187 + 1540 \* X\_18\_188 + 1086 \* X\_18\_189  
 + 1722 \*  
 X\_18\_191 + 820 \* X\_18\_192 + 860 \* X\_18\_193 + 1122 \* X\_18\_194 + 2210 \*  
 X\_18\_196 +  
 2726 \* X\_18\_197 + 596 \* X\_18\_200 + 2018 \* X\_18\_201 + 1722 \* X\_18\_202  
 + 1086 \*  
 X\_18\_203 + 820 \* X\_18\_204 + 1540 \* X\_18\_207 + 2210 \* X\_18\_208 + 1122  
 \* X\_18\_210 +  
 596 \* X\_18\_212 + 2726 \* X\_18\_213 + 2210 \* X\_18\_214 + 860 \* X\_18\_215 +  
 1540 \*  
 X\_18\_216 + 1086 \* X\_18\_217 + 2018 \* X\_18\_218 + 1722 \* X\_18\_221 + 2210  
 \* X\_18\_222 +  
 820 \* X\_18\_223 + 2210 \* X\_18\_225 + 1540 \* X\_18\_227 + 596 \* X\_18\_228 +  
 860 \*  
 X\_18\_230 + 1122 \* X\_18\_231 + 2726 \* X\_18\_232 + 1722 \* X\_18\_233 + 820  
 \* X\_18\_235 +  
 1086 \* X\_18\_236 + 2210 \* X\_18\_237 + 2018 \* X\_18\_239 <= 15250;  
 [\_1019] 2210 \* X\_19\_1 + 1086 \* X\_19\_2 + 1722 \* X\_19\_3 + 2018 \* X\_19\_4  
 + 2726 \*  
 X\_19\_8 + 2210 \* X\_19\_9 + 860 \* X\_19\_11 + 1122 \* X\_19\_12 + 820 \*  
 X\_19\_13 + 1540 \*  
 X\_19\_14 + 596 \* X\_19\_15 + 1722 \* X\_19\_17 + 2726 \* X\_19\_18 + 2018 \*  
 X\_19\_19 + 860 \*  
 X\_19\_20 + 2210 \* X\_19\_21 + 1540 \* X\_19\_25 + 596 \* X\_19\_27 + 1086 \*  
 X\_19\_28 + 1722  
 \* X\_19\_29 + 820 \* X\_19\_30 + 2210 \* X\_19\_32 + 2726 \* X\_19\_33 + 2018 \*  
 X\_19\_34 +  
 2210 \* X\_19\_35 + 860 \* X\_19\_36 + 1122 \* X\_19\_37 + 2210 \* X\_19\_43 +  
 596 \* X\_19\_44 +  
 1540 \* X\_19\_45 + 1722 \* X\_19\_46 + 1086 \* X\_19\_47 + 820 \* X\_19\_48 +  
 2018 \* X\_19\_49  
 + 2726 \* X\_19\_50 + 1122 \* X\_19\_51 + 860 \* X\_19\_52 + 2210 \* X\_19\_53 +  
 1540 \*

$X_{19\_57} + 2018 * X_{19\_58} + 2210 * X_{19\_60} + 820 * X_{19\_61} + 1722 * X_{19\_62} + 1086$   
 $* X_{19\_64} + 596 * X_{19\_65} + 1122 * X_{19\_66} + 2210 * X_{19\_67} + 2726 * X_{19\_69} + 860$   
 $* X_{19\_72} + 1722 * X_{19\_73} + 820 * X_{19\_74} + 1086 * X_{19\_76} + 2018 * X_{19\_78} +$   
 $2210 * X_{19\_79} + 1540 * X_{19\_80} + 2726 * X_{19\_82} + 1122 * X_{19\_83} + 596 * X_{19\_85}$   
 $+ 860 * X_{19\_86} + 2210 * X_{19\_87} + 1086 * X_{19\_91} + 1722 * X_{19\_92} + 2210 *$   
 $X_{19\_93} + 2018 * X_{19\_95} + 820 * X_{19\_96} + 596 * X_{19\_97} + 1122 * X_{19\_98} + 2726 *$   
 $X_{19\_100} + 860 * X_{19\_102} + 2210 * X_{19\_103} + 1540 * X_{19\_104} + 1722 * X_{19\_105} +$   
 $820 * X_{19\_106} + 1086 * X_{19\_107} + 2018 * X_{19\_109} + 2210 * X_{19\_111} + 1540 *$   
 $X_{19\_113} + 2210 * X_{19\_114} + 2726 * X_{19\_115} + 1122 * X_{19\_118} + 596 * X_{19\_119} +$   
 $860 * X_{19\_120} + 596 * X_{19\_121} + 820 * X_{19\_122} + 2210 * X_{19\_124} + 1540 *$   
 $X_{19\_125} + 1122 * X_{19\_127} + 860 * X_{19\_128} + 2210 * X_{19\_129} + 1086 * X_{19\_131} +$   
 $2726 * X_{19\_132} + 1722 * X_{19\_133} + 2018 * X_{19\_134} + 1086 * X_{19\_137} + 1122 *$   
 $X_{19\_140} + 1540 * X_{19\_141} + 820 * X_{19\_142} + 2210 * X_{19\_143} + 596 * X_{19\_144} +$   
 $860 * X_{19\_146} + 2726 * X_{19\_147} + 1122 * X_{19\_149} + 2018 * X_{19\_150} + 2210 *$   
 $X_{19\_151} + 2210 * X_{19\_153} + 1086 * X_{19\_154} + 820 * X_{19\_155} + 596 * X_{19\_156} +$   
 $1722 * X_{19\_159} + 1540 * X_{19\_160} + 860 * X_{19\_163} + 1122 * X_{19\_164} + 2726 *$   
 $X_{19\_165} + 2018 * X_{19\_166} + 2210 * X_{19\_167} + 2210 * X_{19\_171} + 1540 * X_{19\_172} +$   
 $1722 * X_{19\_173} + 596 * X_{19\_174} + 820 * X_{19\_175} + 1086 * X_{19\_176} + 1122 *$   
 $X_{19\_177} + 2726 * X_{19\_178} + 860 * X_{19\_179} + 596 * X_{19\_181} + 2210 * X_{19\_183} +$   
 $2210 * X_{19\_185} + 2018 * X_{19\_187} + 1540 * X_{19\_188} + 1086 * X_{19\_189} + 1722 *$   
 $X_{19\_191} + 820 * X_{19\_192} + 860 * X_{19\_193} + 1122 * X_{19\_194} + 2210 * X_{19\_196} +$   
 $2726 * X_{19\_197} + 596 * X_{19\_200} + 2018 * X_{19\_201} + 1722 * X_{19\_202} + 1086 *$   
 $X_{19\_203} + 820 * X_{19\_204} + 1540 * X_{19\_207} + 2210 * X_{19\_208} + 1122 * X_{19\_210} +$   
 $596 * X_{19\_212} + 2726 * X_{19\_213} + 2210 * X_{19\_214} + 860 * X_{19\_215} + 1540 *$   
 $X_{19\_216} + 1086 * X_{19\_217} + 2018 * X_{19\_218} + 1722 * X_{19\_221} + 2210 * X_{19\_222} +$   
 $820 * X_{19\_223} + 2210 * X_{19\_225} + 1540 * X_{19\_227} + 596 * X_{19\_228} + 860 *$   
 $X_{19\_230} + 1122 * X_{19\_231} + 2726 * X_{19\_232} + 1722 * X_{19\_233} + 820 * X_{19\_235} +$   
 $1086 * X_{19\_236} + 2210 * X_{19\_237} + 2018 * X_{19\_239} \leq 15250;$   
 $[\_1020] 2210 * X_{20\_1} + 1086 * X_{20\_2} + 1722 * X_{20\_3} + 2018 * X_{20\_4} + 2726 *$

$X_{20\_8} + 2210 * X_{20\_9} + 860 * X_{20\_11} + 1122 * X_{20\_12} + 820 * X_{20\_13} + 1540 * X_{20\_14} + 596 * X_{20\_15} + 1722 * X_{20\_17} + 2726 * X_{20\_18} + 2018 * X_{20\_19} + 860 * X_{20\_20} + 2210 * X_{20\_21} + 1540 * X_{20\_25} + 596 * X_{20\_27} + 1086 * X_{20\_28} + 1722 * X_{20\_29} + 820 * X_{20\_30} + 2210 * X_{20\_32} + 2726 * X_{20\_33} + 2018 * X_{20\_34} + 2210 * X_{20\_35} + 860 * X_{20\_36} + 1122 * X_{20\_37} + 2210 * X_{20\_43} + 596 * X_{20\_44} + 1540 * X_{20\_45} + 1722 * X_{20\_46} + 1086 * X_{20\_47} + 820 * X_{20\_48} + 2018 * X_{20\_49} + 2726 * X_{20\_50} + 1122 * X_{20\_51} + 860 * X_{20\_52} + 2210 * X_{20\_53} + 1540 * X_{20\_57} + 2018 * X_{20\_58} + 2210 * X_{20\_60} + 820 * X_{20\_61} + 1722 * X_{20\_62} + 1086 * X_{20\_64} + 596 * X_{20\_65} + 1122 * X_{20\_66} + 2210 * X_{20\_67} + 2726 * X_{20\_69} + 860 * X_{20\_72} + 1722 * X_{20\_73} + 820 * X_{20\_74} + 1086 * X_{20\_76} + 2018 * X_{20\_78} + 2210 * X_{20\_79} + 1540 * X_{20\_80} + 2726 * X_{20\_82} + 1122 * X_{20\_83} + 596 * X_{20\_85} + 860 * X_{20\_86} + 2210 * X_{20\_87} + 1086 * X_{20\_91} + 1722 * X_{20\_92} + 2210 * X_{20\_93} + 2018 * X_{20\_95} + 820 * X_{20\_96} + 596 * X_{20\_97} + 1122 * X_{20\_98} + 2726 * X_{20\_100} + 860 * X_{20\_102} + 2210 * X_{20\_103} + 1540 * X_{20\_104} + 1722 * X_{20\_105} + 820 * X_{20\_106} + 1086 * X_{20\_107} + 2018 * X_{20\_109} + 2210 * X_{20\_111} + 1540 * X_{20\_113} + 2210 * X_{20\_114} + 2726 * X_{20\_115} + 1122 * X_{20\_118} + 596 * X_{20\_119} + 860 * X_{20\_120} + 596 * X_{20\_121} + 820 * X_{20\_122} + 2210 * X_{20\_124} + 1540 * X_{20\_125} + 1122 * X_{20\_127} + 860 * X_{20\_128} + 2210 * X_{20\_129} + 1086 * X_{20\_131} + 2726 * X_{20\_132} + 1722 * X_{20\_133} + 2018 * X_{20\_134} + 1086 * X_{20\_137} + 1122 * X_{20\_140} + 1540 * X_{20\_141} + 820 * X_{20\_142} + 2210 * X_{20\_143} + 596 * X_{20\_144} + 860 * X_{20\_146} + 2726 * X_{20\_147} + 1122 * X_{20\_149} + 2018 * X_{20\_150} + 2210 * X_{20\_151} + 2210 * X_{20\_153} + 1086 * X_{20\_154} + 820 * X_{20\_155} + 596 * X_{20\_156} + 1722 * X_{20\_159} + 1540 * X_{20\_160} + 860 * X_{20\_163} + 1122 * X_{20\_164} + 2726 * X_{20\_165} + 2018 * X_{20\_166} + 2210 * X_{20\_167} + 2210 * X_{20\_171} + 1540 * X_{20\_172} + 1722 * X_{20\_173} + 596 * X_{20\_174} + 820 * X_{20\_175} + 1086 * X_{20\_176} + 1122 * X_{20\_177} + 2726 * X_{20\_178} + 860 * X_{20\_179} + 596 * X_{20\_181} + 2210 * X_{20\_183} + 2210 * X_{20\_185} + 2018 * X_{20\_187} + 1540 * X_{20\_188} + 1086 * X_{20\_189} + 1722 * X_{20\_191} + 820 * X_{20\_192} + 860 * X_{20\_193} + 1122 * X_{20\_194} + 2210 * X_{20\_196} +$

2726 \* X\_20\_197 + 596 \* X\_20\_200 + 2018 \* X\_20\_201 + 1722 \* X\_20\_202  
 + 1086 \*  
 X\_20\_203 + 820 \* X\_20\_204 + 1540 \* X\_20\_207 + 2210 \* X\_20\_208 + 1122  
 \* X\_20\_210 +  
 596 \* X\_20\_212 + 2726 \* X\_20\_213 + 2210 \* X\_20\_214 + 860 \* X\_20\_215 +  
 1540 \*  
 X\_20\_216 + 1086 \* X\_20\_217 + 2018 \* X\_20\_218 + 1722 \* X\_20\_221 + 2210  
 \* X\_20\_222 +  
 820 \* X\_20\_223 + 2210 \* X\_20\_225 + 1540 \* X\_20\_227 + 596 \* X\_20\_228 +  
 860 \*  
 X\_20\_230 + 1122 \* X\_20\_231 + 2726 \* X\_20\_232 + 1722 \* X\_20\_233 + 820  
 \* X\_20\_235 +  
 1086 \* X\_20\_236 + 2210 \* X\_20\_237 + 2018 \* X\_20\_239 <= 15250;  
 [\_1021] 2210 \* X\_21\_1 + 1086 \* X\_21\_2 + 1722 \* X\_21\_3 + 2018 \* X\_21\_4  
 + 2726 \*  
 X\_21\_8 + 2210 \* X\_21\_9 + 860 \* X\_21\_11 + 1122 \* X\_21\_12 + 820 \*  
 X\_21\_13 + 1540 \*  
 X\_21\_14 + 596 \* X\_21\_15 + 1722 \* X\_21\_17 + 2726 \* X\_21\_18 + 2018 \*  
 X\_21\_19 + 860 \*  
 X\_21\_20 + 2210 \* X\_21\_21 + 1540 \* X\_21\_25 + 596 \* X\_21\_27 + 1086 \*  
 X\_21\_28 + 1722  
 \* X\_21\_29 + 820 \* X\_21\_30 + 2210 \* X\_21\_32 + 2726 \* X\_21\_33 + 2018 \*  
 X\_21\_34 +  
 2210 \* X\_21\_35 + 860 \* X\_21\_36 + 1122 \* X\_21\_37 + 2210 \* X\_21\_43 +  
 596 \* X\_21\_44 +  
 1540 \* X\_21\_45 + 1722 \* X\_21\_46 + 1086 \* X\_21\_47 + 820 \* X\_21\_48 +  
 2018 \* X\_21\_49  
 + 2726 \* X\_21\_50 + 1122 \* X\_21\_51 + 860 \* X\_21\_52 + 2210 \* X\_21\_53 +  
 1540 \*  
 X\_21\_57 + 2018 \* X\_21\_58 + 2210 \* X\_21\_60 + 820 \* X\_21\_61 + 1722 \*  
 X\_21\_62 + 1086  
 \* X\_21\_64 + 596 \* X\_21\_65 + 1122 \* X\_21\_66 + 2210 \* X\_21\_67 + 2726 \*  
 X\_21\_69 + 860  
 \* X\_21\_72 + 1722 \* X\_21\_73 + 820 \* X\_21\_74 + 1086 \* X\_21\_76 + 2018 \*  
 X\_21\_78 +  
 2210 \* X\_21\_79 + 1540 \* X\_21\_80 + 2726 \* X\_21\_82 + 1122 \* X\_21\_83 +  
 596 \* X\_21\_85  
 + 860 \* X\_21\_86 + 2210 \* X\_21\_87 + 1086 \* X\_21\_91 + 1722 \* X\_21\_92 +  
 2210 \*  
 X\_21\_93 + 2018 \* X\_21\_95 + 820 \* X\_21\_96 + 596 \* X\_21\_97 + 1122 \*  
 X\_21\_98 + 2726 \*  
 X\_21\_100 + 860 \* X\_21\_102 + 2210 \* X\_21\_103 + 1540 \* X\_21\_104 + 1722  
 \* X\_21\_105 +  
 820 \* X\_21\_106 + 1086 \* X\_21\_107 + 2018 \* X\_21\_109 + 2210 \* X\_21\_111  
 + 1540 \*  
 X\_21\_113 + 2210 \* X\_21\_114 + 2726 \* X\_21\_115 + 1122 \* X\_21\_118 + 596  
 \* X\_21\_119 +  
 860 \* X\_21\_120 + 596 \* X\_21\_121 + 820 \* X\_21\_122 + 2210 \* X\_21\_124 +  
 1540 \*  
 X\_21\_125 + 1122 \* X\_21\_127 + 860 \* X\_21\_128 + 2210 \* X\_21\_129 + 1086  
 \* X\_21\_131 +  
 2726 \* X\_21\_132 + 1722 \* X\_21\_133 + 2018 \* X\_21\_134 + 1086 \* X\_21\_137  
 + 1122 \*  
 X\_21\_140 + 1540 \* X\_21\_141 + 820 \* X\_21\_142 + 2210 \* X\_21\_143 + 596 \*  
 X\_21\_144 +  
 860 \* X\_21\_146 + 2726 \* X\_21\_147 + 1122 \* X\_21\_149 + 2018 \* X\_21\_150  
 + 2210 \*

$X_{21\_151} + 2210 * X_{21\_153} + 1086 * X_{21\_154} + 820 * X_{21\_155} + 596 * X_{21\_156} +$   
 $1722 * X_{21\_159} + 1540 * X_{21\_160} + 860 * X_{21\_163} + 1122 * X_{21\_164} + 2726 * X_{21\_165} +$   
 $2018 * X_{21\_166} + 2210 * X_{21\_167} + 2210 * X_{21\_171} + 1540 * X_{21\_172} +$   
 $1722 * X_{21\_173} + 596 * X_{21\_174} + 820 * X_{21\_175} + 1086 * X_{21\_176} + 1122 * X_{21\_177} +$   
 $2726 * X_{21\_178} + 860 * X_{21\_179} + 596 * X_{21\_181} + 2210 * X_{21\_183} + 2210 * X_{21\_185} +$   
 $2018 * X_{21\_187} + 1540 * X_{21\_188} + 1086 * X_{21\_189} + 1722 * X_{21\_191} + 820 * X_{21\_192} +$   
 $860 * X_{21\_193} + 1122 * X_{21\_194} + 2210 * X_{21\_196} + 2726 * X_{21\_197} + 596 * X_{21\_200} +$   
 $2018 * X_{21\_201} + 1722 * X_{21\_202} + 1086 * X_{21\_203} + 820 * X_{21\_204} + 1540 * X_{21\_207} +$   
 $2210 * X_{21\_208} + 1122 * X_{21\_210} + 596 * X_{21\_212} + 2726 * X_{21\_213} + 2210 * X_{21\_214} +$   
 $860 * X_{21\_215} + 1540 * X_{21\_216} + 1086 * X_{21\_217} + 2018 * X_{21\_218} + 1722 * X_{21\_221} + 2210 * X_{21\_222} +$   
 $820 * X_{21\_223} + 2210 * X_{21\_225} + 1540 * X_{21\_227} + 596 * X_{21\_228} + 860 * X_{21\_230} +$   
 $1122 * X_{21\_231} + 2726 * X_{21\_232} + 1722 * X_{21\_233} + 820 * X_{21\_235} + 1086 * X_{21\_236} +$   
 $2210 * X_{21\_237} + 2018 * X_{21\_239} \leq 15250;$   
 $[\_1022] 2210 * X_{22\_1} + 1086 * X_{22\_2} + 1722 * X_{22\_3} + 2018 * X_{22\_4} + 2726 * X_{22\_8} +$   
 $2210 * X_{22\_9} + 860 * X_{22\_11} + 1122 * X_{22\_12} + 820 * X_{22\_13} + 1540 * X_{22\_14} +$   
 $596 * X_{22\_15} + 1722 * X_{22\_17} + 2726 * X_{22\_18} + 2018 * X_{22\_19} + 860 * X_{22\_20} +$   
 $2210 * X_{22\_21} + 1540 * X_{22\_25} + 596 * X_{22\_27} + 1086 * X_{22\_28} + 1722 * X_{22\_29} +$   
 $820 * X_{22\_30} + 2210 * X_{22\_32} + 2726 * X_{22\_33} + 2018 * X_{22\_34} + 2210 * X_{22\_35} +$   
 $860 * X_{22\_36} + 1122 * X_{22\_37} + 2210 * X_{22\_43} + 596 * X_{22\_44} + 1540 * X_{22\_45} +$   
 $1722 * X_{22\_46} + 1086 * X_{22\_47} + 820 * X_{22\_48} + 2018 * X_{22\_49} + 2726 * X_{22\_50} +$   
 $1122 * X_{22\_51} + 860 * X_{22\_52} + 2210 * X_{22\_53} + 1540 * X_{22\_57} + 2018 * X_{22\_58} +$   
 $2210 * X_{22\_60} + 820 * X_{22\_61} + 1722 * X_{22\_62} + 1086 * X_{22\_64} + 596 * X_{22\_65} +$   
 $1122 * X_{22\_66} + 2210 * X_{22\_67} + 2726 * X_{22\_69} + 860 * X_{22\_72} + 1722 * X_{22\_73} +$   
 $820 * X_{22\_74} + 1086 * X_{22\_76} + 2018 * X_{22\_78} + 2210 * X_{22\_79} + 1540 * X_{22\_80} +$   
 $2726 * X_{22\_82} + 1122 * X_{22\_83} + 596 * X_{22\_85} + 860 * X_{22\_86} + 2210 * X_{22\_87} +$   
 $1086 * X_{22\_91} + 1722 * X_{22\_92} + 2210 * X_{22\_93} + 2018 * X_{22\_95} + 820 * X_{22\_96} +$   
 $596 * X_{22\_97} + 1122 * X_{22\_98} + 2726 * X_{22\_100} + 860 * X_{22\_102} + 2210 * X_{22\_103} +$   
 $1540 * X_{22\_104} + 1722 * X_{22\_105} +$

820 \* X\_22\_106 + 1086 \* X\_22\_107 + 2018 \* X\_22\_109 + 2210 \* X\_22\_111  
 + 1540 \*  
 X\_22\_113 + 2210 \* X\_22\_114 + 2726 \* X\_22\_115 + 1122 \* X\_22\_118 + 596  
 \* X\_22\_119 +  
 860 \* X\_22\_120 + 596 \* X\_22\_121 + 820 \* X\_22\_122 + 2210 \* X\_22\_124 +  
 1540 \*  
 X\_22\_125 + 1122 \* X\_22\_127 + 860 \* X\_22\_128 + 2210 \* X\_22\_129 + 1086  
 \* X\_22\_131 +  
 2726 \* X\_22\_132 + 1722 \* X\_22\_133 + 2018 \* X\_22\_134 + 1086 \* X\_22\_137  
 + 1122 \*  
 X\_22\_140 + 1540 \* X\_22\_141 + 820 \* X\_22\_142 + 2210 \* X\_22\_143 + 596 \*  
 X\_22\_144 +  
 860 \* X\_22\_146 + 2726 \* X\_22\_147 + 1122 \* X\_22\_149 + 2018 \* X\_22\_150  
 + 2210 \*  
 X\_22\_151 + 2210 \* X\_22\_153 + 1086 \* X\_22\_154 + 820 \* X\_22\_155 + 596 \*  
 X\_22\_156 +  
 1722 \* X\_22\_159 + 1540 \* X\_22\_160 + 860 \* X\_22\_163 + 1122 \* X\_22\_164  
 + 2726 \*  
 X\_22\_165 + 2018 \* X\_22\_166 + 2210 \* X\_22\_167 + 2210 \* X\_22\_171 + 1540  
 \* X\_22\_172 +  
 1722 \* X\_22\_173 + 596 \* X\_22\_174 + 820 \* X\_22\_175 + 1086 \* X\_22\_176 +  
 1122 \*  
 X\_22\_177 + 2726 \* X\_22\_178 + 860 \* X\_22\_179 + 596 \* X\_22\_181 + 2210 \*  
 X\_22\_183 +  
 2210 \* X\_22\_185 + 2018 \* X\_22\_187 + 1540 \* X\_22\_188 + 1086 \* X\_22\_189  
 + 1722 \*  
 X\_22\_191 + 820 \* X\_22\_192 + 860 \* X\_22\_193 + 1122 \* X\_22\_194 + 2210 \*  
 X\_22\_196 +  
 2726 \* X\_22\_197 + 596 \* X\_22\_200 + 2018 \* X\_22\_201 + 1722 \* X\_22\_202  
 + 1086 \*  
 X\_22\_203 + 820 \* X\_22\_204 + 1540 \* X\_22\_207 + 2210 \* X\_22\_208 + 1122  
 \* X\_22\_210 +  
 596 \* X\_22\_212 + 2726 \* X\_22\_213 + 2210 \* X\_22\_214 + 860 \* X\_22\_215 +  
 1540 \*  
 X\_22\_216 + 1086 \* X\_22\_217 + 2018 \* X\_22\_218 + 1722 \* X\_22\_221 + 2210  
 \* X\_22\_222 +  
 820 \* X\_22\_223 + 2210 \* X\_22\_225 + 1540 \* X\_22\_227 + 596 \* X\_22\_228 +  
 860 \*  
 X\_22\_230 + 1122 \* X\_22\_231 + 2726 \* X\_22\_232 + 1722 \* X\_22\_233 + 820  
 \* X\_22\_235 +  
 1086 \* X\_22\_236 + 2210 \* X\_22\_237 + 2018 \* X\_22\_239 <= 15250;  
 [\_1023] 2210 \* X\_23\_1 + 1086 \* X\_23\_2 + 1722 \* X\_23\_3 + 2018 \* X\_23\_4  
 + 2726 \*  
 X\_23\_8 + 2210 \* X\_23\_9 + 860 \* X\_23\_11 + 1122 \* X\_23\_12 + 820 \*  
 X\_23\_13 + 1540 \*  
 X\_23\_14 + 596 \* X\_23\_15 + 1722 \* X\_23\_17 + 2726 \* X\_23\_18 + 2018 \*  
 X\_23\_19 + 860 \*  
 X\_23\_20 + 2210 \* X\_23\_21 + 1540 \* X\_23\_25 + 596 \* X\_23\_27 + 1086 \*  
 X\_23\_28 + 1722  
 \* X\_23\_29 + 820 \* X\_23\_30 + 2210 \* X\_23\_32 + 2726 \* X\_23\_33 + 2018 \*  
 X\_23\_34 +  
 2210 \* X\_23\_35 + 860 \* X\_23\_36 + 1122 \* X\_23\_37 + 2210 \* X\_23\_43 +  
 596 \* X\_23\_44 +  
 1540 \* X\_23\_45 + 1722 \* X\_23\_46 + 1086 \* X\_23\_47 + 820 \* X\_23\_48 +  
 2018 \* X\_23\_49  
 + 2726 \* X\_23\_50 + 1122 \* X\_23\_51 + 860 \* X\_23\_52 + 2210 \* X\_23\_53 +  
 1540 \*



$X_{23\_57} + 2018 * X_{23\_58} + 2210 * X_{23\_60} + 820 * X_{23\_61} + 1722 * X_{23\_62} + 1086$   
 $* X_{23\_64} + 596 * X_{23\_65} + 1122 * X_{23\_66} + 2210 * X_{23\_67} + 2726 * X_{23\_69} + 860$   
 $* X_{23\_72} + 1722 * X_{23\_73} + 820 * X_{23\_74} + 1086 * X_{23\_76} + 2018 * X_{23\_78} +$   
 $2210 * X_{23\_79} + 1540 * X_{23\_80} + 2726 * X_{23\_82} + 1122 * X_{23\_83} + 596 * X_{23\_85}$   
 $+ 860 * X_{23\_86} + 2210 * X_{23\_87} + 1086 * X_{23\_91} + 1722 * X_{23\_92} + 2210 *$   
 $X_{23\_93} + 2018 * X_{23\_95} + 820 * X_{23\_96} + 596 * X_{23\_97} + 1122 * X_{23\_98} + 2726 *$   
 $X_{23\_100} + 860 * X_{23\_102} + 2210 * X_{23\_103} + 1540 * X_{23\_104} + 1722 * X_{23\_105} +$   
 $820 * X_{23\_106} + 1086 * X_{23\_107} + 2018 * X_{23\_109} + 2210 * X_{23\_111} + 1540 *$   
 $X_{23\_113} + 2210 * X_{23\_114} + 2726 * X_{23\_115} + 1122 * X_{23\_118} + 596 * X_{23\_119} +$   
 $860 * X_{23\_120} + 596 * X_{23\_121} + 820 * X_{23\_122} + 2210 * X_{23\_124} + 1540 *$   
 $X_{23\_125} + 1122 * X_{23\_127} + 860 * X_{23\_128} + 2210 * X_{23\_129} + 1086 * X_{23\_131} +$   
 $2726 * X_{23\_132} + 1722 * X_{23\_133} + 2018 * X_{23\_134} + 1086 * X_{23\_137} + 1122 *$   
 $X_{23\_140} + 1540 * X_{23\_141} + 820 * X_{23\_142} + 2210 * X_{23\_143} + 596 * X_{23\_144} +$   
 $860 * X_{23\_146} + 2726 * X_{23\_147} + 1122 * X_{23\_149} + 2018 * X_{23\_150} + 2210 *$   
 $X_{23\_151} + 2210 * X_{23\_153} + 1086 * X_{23\_154} + 820 * X_{23\_155} + 596 * X_{23\_156} +$   
 $1722 * X_{23\_159} + 1540 * X_{23\_160} + 860 * X_{23\_163} + 1122 * X_{23\_164} + 2726 *$   
 $X_{23\_165} + 2018 * X_{23\_166} + 2210 * X_{23\_167} + 2210 * X_{23\_171} + 1540 * X_{23\_172} +$   
 $1722 * X_{23\_173} + 596 * X_{23\_174} + 820 * X_{23\_175} + 1086 * X_{23\_176} + 1122 *$   
 $X_{23\_177} + 2726 * X_{23\_178} + 860 * X_{23\_179} + 596 * X_{23\_181} + 2210 * X_{23\_183} +$   
 $2210 * X_{23\_185} + 2018 * X_{23\_187} + 1540 * X_{23\_188} + 1086 * X_{23\_189} + 1722 *$   
 $X_{23\_191} + 820 * X_{23\_192} + 860 * X_{23\_193} + 1122 * X_{23\_194} + 2210 * X_{23\_196} +$   
 $2726 * X_{23\_197} + 596 * X_{23\_200} + 2018 * X_{23\_201} + 1722 * X_{23\_202} + 1086 *$   
 $X_{23\_203} + 820 * X_{23\_204} + 1540 * X_{23\_207} + 2210 * X_{23\_208} + 1122 * X_{23\_210} +$   
 $596 * X_{23\_212} + 2726 * X_{23\_213} + 2210 * X_{23\_214} + 860 * X_{23\_215} + 1540 *$   
 $X_{23\_216} + 1086 * X_{23\_217} + 2018 * X_{23\_218} + 1722 * X_{23\_221} + 2210 * X_{23\_222} +$   
 $820 * X_{23\_223} + 2210 * X_{23\_225} + 1540 * X_{23\_227} + 596 * X_{23\_228} + 860 *$   
 $X_{23\_230} + 1122 * X_{23\_231} + 2726 * X_{23\_232} + 1722 * X_{23\_233} + 820 * X_{23\_235} +$   
 $1086 * X_{23\_236} + 2210 * X_{23\_237} + 2018 * X_{23\_239} \leq 15250;$   
 $[_{1024}] X_{1\_3} + X_{1\_10} + X_{1\_19} + X_{1\_31} + X_{1\_38} + X_{1\_41} + X_{1\_50} + X_{1\_59} +$

$X_{1\_66} + X_{1\_75} + X_{1\_85} + X_{1\_94} + X_{1\_104} + X_{1\_106} + X_{1\_116} + X_{1\_123} +$   
 $X_{1\_130} + X_{1\_139} + X_{1\_151} + X_{1\_158} + X_{1\_161} + X_{1\_170} + X_{1\_179} + X_{1\_186} +$   
 $X_{1\_195} + X_{1\_205} + X_{1\_214} + X_{1\_224} + X_{1\_226} + X_{1\_236} \geq 1;$   
 [\_1025]  $X_{1\_7} + X_{1\_12} + X_{1\_20} + X_{1\_29} + X_{1\_37} + X_{1\_44} + X_{1\_51} + X_{1\_57} +$   
 $X_{1\_66} + X_{1\_74} + X_{1\_83} + X_{1\_90} + X_{1\_98} + X_{1\_111} + X_{1\_118} + X_{1\_127} + X_{1\_132}$   
 $+ X_{1\_140} + X_{1\_149} + X_{1\_157} + X_{1\_164} + X_{1\_171} + X_{1\_177} + X_{1\_186} + X_{1\_194} +$   
 $X_{1\_203} + X_{1\_210} + X_{1\_218} + X_{1\_231} + X_{1\_238} \geq 1;$   
 [\_1026]  $X_{1\_4} + X_{1\_9} + X_{1\_23} + X_{1\_32} + X_{1\_33} + X_{1\_43} + X_{1\_51} + X_{1\_60} +$   
 $X_{1\_65} + X_{1\_76} + X_{1\_87} + X_{1\_94} + X_{1\_103} + X_{1\_105} + X_{1\_114} + X_{1\_124} +$   
 $X_{1\_129} + X_{1\_143} + X_{1\_152} + X_{1\_153} + X_{1\_163} + X_{1\_171} + X_{1\_180} + X_{1\_185} +$   
 $X_{1\_196} + X_{1\_207} + X_{1\_214} + X_{1\_223} + X_{1\_225} + X_{1\_234} \geq 1;$   
 [\_1027]  $X_{1\_2} + X_{1\_11} + X_{1\_17} + X_{1\_28} + X_{1\_34} + X_{1\_47} + X_{1\_56} + X_{1\_64} +$   
 $X_{1\_69} + X_{1\_76} + X_{1\_83} + X_{1\_91} + X_{1\_97} + X_{1\_107} + X_{1\_116} + X_{1\_122} + X_{1\_131}$   
 $+ X_{1\_137} + X_{1\_148} + X_{1\_154} + X_{1\_167} + X_{1\_176} + X_{1\_184} + X_{1\_189} + X_{1\_196} +$   
 $X_{1\_203} + X_{1\_211} + X_{1\_217} + X_{1\_227} + X_{1\_236} \geq 1;$   
 [\_1028]  $X_{1\_8} + X_{1\_11} + X_{1\_20} + X_{1\_26} + X_{1\_36} + X_{1\_43} + X_{1\_52} + X_{1\_59} +$   
 $X_{1\_72} + X_{1\_73} + X_{1\_86} + X_{1\_95} + X_{1\_102} + X_{1\_110} + X_{1\_120} + X_{1\_128} +$   
 $X_{1\_131} + X_{1\_140} + X_{1\_146} + X_{1\_156} + X_{1\_163} + X_{1\_172} + X_{1\_179} + X_{1\_192} +$   
 $X_{1\_193} + X_{1\_206} + X_{1\_215} + X_{1\_222} + X_{1\_230} + X_{1\_240} \geq 1;$   
 [\_1029]  $X_{1\_5} + X_{1\_14} + X_{1\_21} + X_{1\_25} + X_{1\_40} + X_{1\_45} + X_{1\_52} + X_{1\_57} +$   
 $X_{1\_68} + X_{1\_80} + X_{1\_87} + X_{1\_96} + X_{1\_104} + X_{1\_107} + X_{1\_113} + X_{1\_125} +$   
 $X_{1\_134} + X_{1\_141} + X_{1\_145} + X_{1\_160} + X_{1\_165} + X_{1\_172} + X_{1\_177} + X_{1\_188} +$   
 $X_{1\_200} + X_{1\_207} + X_{1\_216} + X_{1\_224} + X_{1\_227} + X_{1\_233} \geq 1;$   
 [\_1030]  $X_{1\_2} + X_{1\_13} + X_{1\_22} + X_{1\_30} + X_{1\_35} + X_{1\_48} + X_{1\_55} + X_{1\_61} +$   
 $X_{1\_72} + X_{1\_74} + X_{1\_84} + X_{1\_96} + X_{1\_103} + X_{1\_106} + X_{1\_115} + X_{1\_122} +$   
 $X_{1\_133} + X_{1\_142} + X_{1\_150} + X_{1\_155} + X_{1\_168} + X_{1\_175} + X_{1\_181} + X_{1\_192} +$   
 $X_{1\_194} + X_{1\_204} + X_{1\_216} + X_{1\_223} + X_{1\_226} + X_{1\_235} \geq 1;$   
 [\_1031]  $X_{1\_4} + X_{1\_14} + X_{1\_19} + X_{1\_30} + X_{1\_34} + X_{1\_46} + X_{1\_49} + X_{1\_58} +$   
 $X_{1\_67} + X_{1\_78} + X_{1\_81} + X_{1\_95} + X_{1\_98} + X_{1\_109} + X_{1\_119} + X_{1\_124} + X_{1\_134}$   
 $+ X_{1\_139} + X_{1\_150} + X_{1\_154} + X_{1\_166} + X_{1\_169} + X_{1\_178} + X_{1\_187} + X_{1\_198} +$   
 $X_{1\_201} + X_{1\_215} + X_{1\_218} + X_{1\_229} + X_{1\_239} \geq 1;$   
 [\_1032]  $X_{1\_5} + X_{1\_10} + X_{1\_22} + X_{1\_28} + X_{1\_39} + X_{1\_42} + X_{1\_49} + X_{1\_63} +$

$X_{1\_70} + X_{1\_77} + X_{1\_86} + X_{1\_90} + X_{1\_99} + X_{1\_108} + X_{1\_114} +$   
 $X_{1\_125} + X_{1\_130}$   
 $+ X_{1\_142} + X_{1\_148} + X_{1\_159} + X_{1\_162} + X_{1\_169} + X_{1\_183} + X_{1\_190}$   
 $+ X_{1\_197} +$   
 $X_{1\_206} + X_{1\_210} + X_{1\_219} + X_{1\_228} + X_{1\_234} \geq 1;$   
 [\_1033]  $X_{1\_1} + X_{1\_9} + X_{1\_21} + X_{1\_31} + X_{1\_35} + X_{1\_47} + X_{1\_53} +$   
 $X_{1\_63} +$   
 $X_{1\_67} + X_{1\_79} + X_{1\_88} + X_{1\_93} + X_{1\_102} + X_{1\_111} + X_{1\_117} +$   
 $X_{1\_121} +$   
 $X_{1\_129} + X_{1\_141} + X_{1\_151} + X_{1\_155} + X_{1\_167} + X_{1\_173} + X_{1\_183} +$   
 $X_{1\_187} +$   
 $X_{1\_199} + X_{1\_208} + X_{1\_213} + X_{1\_222} + X_{1\_231} + X_{1\_237} \geq 1;$   
 [\_1034]  $X_{1\_6} + X_{1\_16} + X_{1\_18} + X_{1\_26} + X_{1\_37} + X_{1\_42} + X_{1\_54} +$   
 $X_{1\_60} +$   
 $X_{1\_68} + X_{1\_75} + X_{1\_84} + X_{1\_91} + X_{1\_101} + X_{1\_109} + X_{1\_117} +$   
 $X_{1\_126} +$   
 $X_{1\_136} + X_{1\_138} + X_{1\_146} + X_{1\_157} + X_{1\_162} + X_{1\_174} + X_{1\_180} +$   
 $X_{1\_188} +$   
 $X_{1\_195} + X_{1\_204} + X_{1\_211} + X_{1\_221} + X_{1\_229} + X_{1\_237} \geq 1;$   
 [\_1035]  $X_{1\_1} + X_{1\_15} + X_{1\_24} + X_{1\_27} + X_{1\_36} + X_{1\_44} + X_{1\_54} +$   
 $X_{1\_61} +$   
 $X_{1\_65} + X_{1\_80} + X_{1\_85} + X_{1\_92} + X_{1\_97} + X_{1\_108} + X_{1\_119} +$   
 $X_{1\_121} + X_{1\_135}$   
 $+ X_{1\_144} + X_{1\_147} + X_{1\_156} + X_{1\_164} + X_{1\_174} + X_{1\_181} + X_{1\_185}$   
 $+ X_{1\_200} +$   
 $X_{1\_205} + X_{1\_212} + X_{1\_217} + X_{1\_228} + X_{1\_239} \geq 1;$   
 [\_1036]  $X_{1\_6} + X_{1\_15} + X_{1\_23} + X_{1\_25} + X_{1\_38} + X_{1\_48} + X_{1\_56} +$   
 $X_{1\_62} +$   
 $X_{1\_70} + X_{1\_78} + X_{1\_88} + X_{1\_89} + X_{1\_100} + X_{1\_110} + X_{1\_118} +$   
 $X_{1\_126} +$   
 $X_{1\_135} + X_{1\_143} + X_{1\_145} + X_{1\_158} + X_{1\_168} + X_{1\_176} + X_{1\_182} +$   
 $X_{1\_190} +$   
 $X_{1\_198} + X_{1\_208} + X_{1\_209} + X_{1\_220} + X_{1\_230} + X_{1\_238} \geq 1;$   
 [\_1037]  $X_{1\_8} + X_{1\_12} + X_{1\_18} + X_{1\_27} + X_{1\_33} + X_{1\_45} + X_{1\_50} +$   
 $X_{1\_58} +$   
 $X_{1\_69} + X_{1\_77} + X_{1\_82} + X_{1\_93} + X_{1\_100} + X_{1\_112} + X_{1\_115} +$   
 $X_{1\_128} +$   
 $X_{1\_132} + X_{1\_138} + X_{1\_147} + X_{1\_153} + X_{1\_165} + X_{1\_170} + X_{1\_178} +$   
 $X_{1\_189} +$   
 $X_{1\_197} + X_{1\_202} + X_{1\_213} + X_{1\_220} + X_{1\_232} + X_{1\_235} \geq 1;$   
 [\_1038]  $X_{1\_7} + X_{1\_16} + X_{1\_24} + X_{1\_32} + X_{1\_40} + X_{1\_41} + X_{1\_55} +$   
 $X_{1\_64} +$   
 $X_{1\_71} + X_{1\_79} + X_{1\_81} + X_{1\_89} + X_{1\_99} + X_{1\_112} + X_{1\_120} +$   
 $X_{1\_127} + X_{1\_136}$   
 $+ X_{1\_144} + X_{1\_152} + X_{1\_160} + X_{1\_161} + X_{1\_175} + X_{1\_184} + X_{1\_191}$   
 $+ X_{1\_199} +$   
 $X_{1\_201} + X_{1\_209} + X_{1\_219} + X_{1\_232} + X_{1\_240} \geq 1;$   
 [\_1039]  $X_{1\_3} + X_{1\_13} + X_{1\_17} + X_{1\_29} + X_{1\_39} + X_{1\_46} + X_{1\_53} +$   
 $X_{1\_62} +$   
 $X_{1\_71} + X_{1\_73} + X_{1\_82} + X_{1\_92} + X_{1\_101} + X_{1\_105} + X_{1\_113} +$   
 $X_{1\_123} +$   
 $X_{1\_133} + X_{1\_137} + X_{1\_149} + X_{1\_159} + X_{1\_166} + X_{1\_173} + X_{1\_182} +$   
 $X_{1\_191} +$   
 $X_{1\_193} + X_{1\_202} + X_{1\_212} + X_{1\_221} + X_{1\_225} + X_{1\_233} \geq 1;$   
 [\_1040]  $X_{2\_3} + X_{2\_10} + X_{2\_19} + X_{2\_31} + X_{2\_38} + X_{2\_41} + X_{2\_50} +$   
 $X_{2\_59} +$

$X_{2\_66} + X_{2\_75} + X_{2\_85} + X_{2\_94} + X_{2\_104} + X_{2\_106} + X_{2\_116} +$   
 $X_{2\_123} +$   
 $X_{2\_130} + X_{2\_139} + X_{2\_151} + X_{2\_158} + X_{2\_161} + X_{2\_170} + X_{2\_179} +$   
 $X_{2\_186} +$   
 $X_{2\_195} + X_{2\_205} + X_{2\_214} + X_{2\_224} + X_{2\_226} + X_{2\_236} \geq 1;$   
 [\_1041]  $X_{2\_7} + X_{2\_12} + X_{2\_20} + X_{2\_29} + X_{2\_37} + X_{2\_44} + X_{2\_51} +$   
 $X_{2\_57} +$   
 $X_{2\_66} + X_{2\_74} + X_{2\_83} + X_{2\_90} + X_{2\_98} + X_{2\_111} + X_{2\_118} +$   
 $X_{2\_127} + X_{2\_132}$   
 $+ X_{2\_140} + X_{2\_149} + X_{2\_157} + X_{2\_164} + X_{2\_171} + X_{2\_177} + X_{2\_186}$   
 $+ X_{2\_194} +$   
 $X_{2\_203} + X_{2\_210} + X_{2\_218} + X_{2\_231} + X_{2\_238} \geq 1;$   
 [\_1042]  $X_{2\_4} + X_{2\_9} + X_{2\_23} + X_{2\_32} + X_{2\_33} + X_{2\_43} + X_{2\_51} +$   
 $X_{2\_60} +$   
 $X_{2\_65} + X_{2\_76} + X_{2\_87} + X_{2\_94} + X_{2\_103} + X_{2\_105} + X_{2\_114} +$   
 $X_{2\_124} +$   
 $X_{2\_129} + X_{2\_143} + X_{2\_152} + X_{2\_153} + X_{2\_163} + X_{2\_171} + X_{2\_180} +$   
 $X_{2\_185} +$   
 $X_{2\_196} + X_{2\_207} + X_{2\_214} + X_{2\_223} + X_{2\_225} + X_{2\_234} \geq 1;$   
 [\_1043]  $X_{2\_2} + X_{2\_11} + X_{2\_17} + X_{2\_28} + X_{2\_34} + X_{2\_47} + X_{2\_56} +$   
 $X_{2\_64} +$   
 $X_{2\_69} + X_{2\_76} + X_{2\_83} + X_{2\_91} + X_{2\_97} + X_{2\_107} + X_{2\_116} +$   
 $X_{2\_122} + X_{2\_131}$   
 $+ X_{2\_137} + X_{2\_148} + X_{2\_154} + X_{2\_167} + X_{2\_176} + X_{2\_184} + X_{2\_189}$   
 $+ X_{2\_196} +$   
 $X_{2\_203} + X_{2\_211} + X_{2\_217} + X_{2\_227} + X_{2\_236} \geq 1;$   
 [\_1044]  $X_{2\_8} + X_{2\_11} + X_{2\_20} + X_{2\_26} + X_{2\_36} + X_{2\_43} + X_{2\_52} +$   
 $X_{2\_59} +$   
 $X_{2\_72} + X_{2\_73} + X_{2\_86} + X_{2\_95} + X_{2\_102} + X_{2\_110} + X_{2\_120} +$   
 $X_{2\_128} +$   
 $X_{2\_131} + X_{2\_140} + X_{2\_146} + X_{2\_156} + X_{2\_163} + X_{2\_172} + X_{2\_179} +$   
 $X_{2\_192} +$   
 $X_{2\_193} + X_{2\_206} + X_{2\_215} + X_{2\_222} + X_{2\_230} + X_{2\_240} \geq 1;$   
 [\_1045]  $X_{2\_5} + X_{2\_14} + X_{2\_21} + X_{2\_25} + X_{2\_40} + X_{2\_45} + X_{2\_52} +$   
 $X_{2\_57} +$   
 $X_{2\_68} + X_{2\_80} + X_{2\_87} + X_{2\_96} + X_{2\_104} + X_{2\_107} + X_{2\_113} +$   
 $X_{2\_125} +$   
 $X_{2\_134} + X_{2\_141} + X_{2\_145} + X_{2\_160} + X_{2\_165} + X_{2\_172} + X_{2\_177} +$   
 $X_{2\_188} +$   
 $X_{2\_200} + X_{2\_207} + X_{2\_216} + X_{2\_224} + X_{2\_227} + X_{2\_233} \geq 1;$   
 [\_1046]  $X_{2\_2} + X_{2\_13} + X_{2\_22} + X_{2\_30} + X_{2\_35} + X_{2\_48} + X_{2\_55} +$   
 $X_{2\_61} +$   
 $X_{2\_72} + X_{2\_74} + X_{2\_84} + X_{2\_96} + X_{2\_103} + X_{2\_106} + X_{2\_115} +$   
 $X_{2\_122} +$   
 $X_{2\_133} + X_{2\_142} + X_{2\_150} + X_{2\_155} + X_{2\_168} + X_{2\_175} + X_{2\_181} +$   
 $X_{2\_192} +$   
 $X_{2\_194} + X_{2\_204} + X_{2\_216} + X_{2\_223} + X_{2\_226} + X_{2\_235} \geq 1;$   
 [\_1047]  $X_{2\_4} + X_{2\_14} + X_{2\_19} + X_{2\_30} + X_{2\_34} + X_{2\_46} + X_{2\_49} +$   
 $X_{2\_58} +$   
 $X_{2\_67} + X_{2\_78} + X_{2\_81} + X_{2\_95} + X_{2\_98} + X_{2\_109} + X_{2\_119} +$   
 $X_{2\_124} + X_{2\_134}$   
 $+ X_{2\_139} + X_{2\_150} + X_{2\_154} + X_{2\_166} + X_{2\_169} + X_{2\_178} + X_{2\_187}$   
 $+ X_{2\_198} +$   
 $X_{2\_201} + X_{2\_215} + X_{2\_218} + X_{2\_229} + X_{2\_239} \geq 1;$   
 [\_1048]  $X_{2\_5} + X_{2\_10} + X_{2\_22} + X_{2\_28} + X_{2\_39} + X_{2\_42} + X_{2\_49} +$   
 $X_{2\_63} +$

$X_{2\_70} + X_{2\_77} + X_{2\_86} + X_{2\_90} + X_{2\_99} + X_{2\_108} + X_{2\_114} +$   
 $X_{2\_125} + X_{2\_130}$   
 $+ X_{2\_142} + X_{2\_148} + X_{2\_159} + X_{2\_162} + X_{2\_169} + X_{2\_183} + X_{2\_190}$   
 $+ X_{2\_197} +$   
 $X_{2\_206} + X_{2\_210} + X_{2\_219} + X_{2\_228} + X_{2\_234} \geq 1;$   
 [\_1049]  $X_{2\_1} + X_{2\_9} + X_{2\_21} + X_{2\_31} + X_{2\_35} + X_{2\_47} + X_{2\_53} +$   
 $X_{2\_63} +$   
 $X_{2\_67} + X_{2\_79} + X_{2\_88} + X_{2\_93} + X_{2\_102} + X_{2\_111} + X_{2\_117} +$   
 $X_{2\_121} +$   
 $X_{2\_129} + X_{2\_141} + X_{2\_151} + X_{2\_155} + X_{2\_167} + X_{2\_173} + X_{2\_183} +$   
 $X_{2\_187} +$   
 $X_{2\_199} + X_{2\_208} + X_{2\_213} + X_{2\_222} + X_{2\_231} + X_{2\_237} \geq 1;$   
 [\_1050]  $X_{2\_6} + X_{2\_16} + X_{2\_18} + X_{2\_26} + X_{2\_37} + X_{2\_42} + X_{2\_54} +$   
 $X_{2\_60} +$   
 $X_{2\_68} + X_{2\_75} + X_{2\_84} + X_{2\_91} + X_{2\_101} + X_{2\_109} + X_{2\_117} +$   
 $X_{2\_126} +$   
 $X_{2\_136} + X_{2\_138} + X_{2\_146} + X_{2\_157} + X_{2\_162} + X_{2\_174} + X_{2\_180} +$   
 $X_{2\_188} +$   
 $X_{2\_195} + X_{2\_204} + X_{2\_211} + X_{2\_221} + X_{2\_229} + X_{2\_237} \geq 1;$   
 [\_1051]  $X_{2\_1} + X_{2\_15} + X_{2\_24} + X_{2\_27} + X_{2\_36} + X_{2\_44} + X_{2\_54} +$   
 $X_{2\_61} +$   
 $X_{2\_65} + X_{2\_80} + X_{2\_85} + X_{2\_92} + X_{2\_97} + X_{2\_108} + X_{2\_119} +$   
 $X_{2\_121} + X_{2\_135}$   
 $+ X_{2\_144} + X_{2\_147} + X_{2\_156} + X_{2\_164} + X_{2\_174} + X_{2\_181} + X_{2\_185}$   
 $+ X_{2\_200} +$   
 $X_{2\_205} + X_{2\_212} + X_{2\_217} + X_{2\_228} + X_{2\_239} \geq 1;$   
 [\_1052]  $X_{2\_6} + X_{2\_15} + X_{2\_23} + X_{2\_25} + X_{2\_38} + X_{2\_48} + X_{2\_56} +$   
 $X_{2\_62} +$   
 $X_{2\_70} + X_{2\_78} + X_{2\_88} + X_{2\_89} + X_{2\_100} + X_{2\_110} + X_{2\_118} +$   
 $X_{2\_126} +$   
 $X_{2\_135} + X_{2\_143} + X_{2\_145} + X_{2\_158} + X_{2\_168} + X_{2\_176} + X_{2\_182} +$   
 $X_{2\_190} +$   
 $X_{2\_198} + X_{2\_208} + X_{2\_209} + X_{2\_220} + X_{2\_230} + X_{2\_238} \geq 1;$   
 [\_1053]  $X_{2\_8} + X_{2\_12} + X_{2\_18} + X_{2\_27} + X_{2\_33} + X_{2\_45} + X_{2\_50} +$   
 $X_{2\_58} +$   
 $X_{2\_69} + X_{2\_77} + X_{2\_82} + X_{2\_93} + X_{2\_100} + X_{2\_112} + X_{2\_115} +$   
 $X_{2\_128} +$   
 $X_{2\_132} + X_{2\_138} + X_{2\_147} + X_{2\_153} + X_{2\_165} + X_{2\_170} + X_{2\_178} +$   
 $X_{2\_189} +$   
 $X_{2\_197} + X_{2\_202} + X_{2\_213} + X_{2\_220} + X_{2\_232} + X_{2\_235} \geq 1;$   
 [\_1054]  $X_{2\_7} + X_{2\_16} + X_{2\_24} + X_{2\_32} + X_{2\_40} + X_{2\_41} + X_{2\_55} +$   
 $X_{2\_64} +$   
 $X_{2\_71} + X_{2\_79} + X_{2\_81} + X_{2\_89} + X_{2\_99} + X_{2\_112} + X_{2\_120} +$   
 $X_{2\_127} + X_{2\_136}$   
 $+ X_{2\_144} + X_{2\_152} + X_{2\_160} + X_{2\_161} + X_{2\_175} + X_{2\_184} + X_{2\_191}$   
 $+ X_{2\_199} +$   
 $X_{2\_201} + X_{2\_209} + X_{2\_219} + X_{2\_232} + X_{2\_240} \geq 1;$   
 [\_1055]  $X_{2\_3} + X_{2\_13} + X_{2\_17} + X_{2\_29} + X_{2\_39} + X_{2\_46} + X_{2\_53} +$   
 $X_{2\_62} +$   
 $X_{2\_71} + X_{2\_73} + X_{2\_82} + X_{2\_92} + X_{2\_101} + X_{2\_105} + X_{2\_113} +$   
 $X_{2\_123} +$   
 $X_{2\_133} + X_{2\_137} + X_{2\_149} + X_{2\_159} + X_{2\_166} + X_{2\_173} + X_{2\_182} +$   
 $X_{2\_191} +$   
 $X_{2\_193} + X_{2\_202} + X_{2\_212} + X_{2\_221} + X_{2\_225} + X_{2\_233} \geq 1;$   
 [\_1056]  $X_{3\_3} + X_{3\_10} + X_{3\_19} + X_{3\_31} + X_{3\_38} + X_{3\_41} + X_{3\_50} +$   
 $X_{3\_59} +$

$X_{3\_66} + X_{3\_75} + X_{3\_85} + X_{3\_94} + X_{3\_104} + X_{3\_106} + X_{3\_116} +$   
 $X_{3\_123} +$   
 $X_{3\_130} + X_{3\_139} + X_{3\_151} + X_{3\_158} + X_{3\_161} + X_{3\_170} + X_{3\_179} +$   
 $X_{3\_186} +$   
 $X_{3\_195} + X_{3\_205} + X_{3\_214} + X_{3\_224} + X_{3\_226} + X_{3\_236} \geq 1;$   
 [\_1057]  $X_{3\_7} + X_{3\_12} + X_{3\_20} + X_{3\_29} + X_{3\_37} + X_{3\_44} + X_{3\_51} +$   
 $X_{3\_57} +$   
 $X_{3\_66} + X_{3\_74} + X_{3\_83} + X_{3\_90} + X_{3\_98} + X_{3\_111} + X_{3\_118} +$   
 $X_{3\_127} + X_{3\_132}$   
 $+ X_{3\_140} + X_{3\_149} + X_{3\_157} + X_{3\_164} + X_{3\_171} + X_{3\_177} + X_{3\_186}$   
 $+ X_{3\_194} +$   
 $X_{3\_203} + X_{3\_210} + X_{3\_218} + X_{3\_231} + X_{3\_238} \geq 1;$   
 [\_1058]  $X_{3\_4} + X_{3\_9} + X_{3\_23} + X_{3\_32} + X_{3\_33} + X_{3\_43} + X_{3\_51} +$   
 $X_{3\_60} +$   
 $X_{3\_65} + X_{3\_76} + X_{3\_87} + X_{3\_94} + X_{3\_103} + X_{3\_105} + X_{3\_114} +$   
 $X_{3\_124} +$   
 $X_{3\_129} + X_{3\_143} + X_{3\_152} + X_{3\_153} + X_{3\_163} + X_{3\_171} + X_{3\_180} +$   
 $X_{3\_185} +$   
 $X_{3\_196} + X_{3\_207} + X_{3\_214} + X_{3\_223} + X_{3\_225} + X_{3\_234} \geq 1;$   
 [\_1059]  $X_{3\_2} + X_{3\_11} + X_{3\_17} + X_{3\_28} + X_{3\_34} + X_{3\_47} + X_{3\_56} +$   
 $X_{3\_64} +$   
 $X_{3\_69} + X_{3\_76} + X_{3\_83} + X_{3\_91} + X_{3\_97} + X_{3\_107} + X_{3\_116} +$   
 $X_{3\_122} + X_{3\_131}$   
 $+ X_{3\_137} + X_{3\_148} + X_{3\_154} + X_{3\_167} + X_{3\_176} + X_{3\_184} + X_{3\_189}$   
 $+ X_{3\_196} +$   
 $X_{3\_203} + X_{3\_211} + X_{3\_217} + X_{3\_227} + X_{3\_236} \geq 1;$   
 [\_1060]  $X_{3\_8} + X_{3\_11} + X_{3\_20} + X_{3\_26} + X_{3\_36} + X_{3\_43} + X_{3\_52} +$   
 $X_{3\_59} +$   
 $X_{3\_72} + X_{3\_73} + X_{3\_86} + X_{3\_95} + X_{3\_102} + X_{3\_110} + X_{3\_120} +$   
 $X_{3\_128} +$   
 $X_{3\_131} + X_{3\_140} + X_{3\_146} + X_{3\_156} + X_{3\_163} + X_{3\_172} + X_{3\_179} +$   
 $X_{3\_192} +$   
 $X_{3\_193} + X_{3\_206} + X_{3\_215} + X_{3\_222} + X_{3\_230} + X_{3\_240} \geq 1;$   
 [\_1061]  $X_{3\_5} + X_{3\_14} + X_{3\_21} + X_{3\_25} + X_{3\_40} + X_{3\_45} + X_{3\_52} +$   
 $X_{3\_57} +$   
 $X_{3\_68} + X_{3\_80} + X_{3\_87} + X_{3\_96} + X_{3\_104} + X_{3\_107} + X_{3\_113} +$   
 $X_{3\_125} +$   
 $X_{3\_134} + X_{3\_141} + X_{3\_145} + X_{3\_160} + X_{3\_165} + X_{3\_172} + X_{3\_177} +$   
 $X_{3\_188} +$   
 $X_{3\_200} + X_{3\_207} + X_{3\_216} + X_{3\_224} + X_{3\_227} + X_{3\_233} \geq 1;$   
 [\_1062]  $X_{3\_2} + X_{3\_13} + X_{3\_22} + X_{3\_30} + X_{3\_35} + X_{3\_48} + X_{3\_55} +$   
 $X_{3\_61} +$   
 $X_{3\_72} + X_{3\_74} + X_{3\_84} + X_{3\_96} + X_{3\_103} + X_{3\_106} + X_{3\_115} +$   
 $X_{3\_122} +$   
 $X_{3\_133} + X_{3\_142} + X_{3\_150} + X_{3\_155} + X_{3\_168} + X_{3\_175} + X_{3\_181} +$   
 $X_{3\_192} +$   
 $X_{3\_194} + X_{3\_204} + X_{3\_216} + X_{3\_223} + X_{3\_226} + X_{3\_235} \geq 1;$   
 [\_1063]  $X_{3\_4} + X_{3\_14} + X_{3\_19} + X_{3\_30} + X_{3\_34} + X_{3\_46} + X_{3\_49} +$   
 $X_{3\_58} +$   
 $X_{3\_67} + X_{3\_78} + X_{3\_81} + X_{3\_95} + X_{3\_98} + X_{3\_109} + X_{3\_119} +$   
 $X_{3\_124} + X_{3\_134}$   
 $+ X_{3\_139} + X_{3\_150} + X_{3\_154} + X_{3\_166} + X_{3\_169} + X_{3\_178} + X_{3\_187}$   
 $+ X_{3\_198} +$   
 $X_{3\_201} + X_{3\_215} + X_{3\_218} + X_{3\_229} + X_{3\_239} \geq 1;$   
 [\_1064]  $X_{3\_5} + X_{3\_10} + X_{3\_22} + X_{3\_28} + X_{3\_39} + X_{3\_42} + X_{3\_49} +$   
 $X_{3\_63} +$

$X_{3\_70} + X_{3\_77} + X_{3\_86} + X_{3\_90} + X_{3\_99} + X_{3\_108} + X_{3\_114} +$   
 $X_{3\_125} + X_{3\_130}$   
 $+ X_{3\_142} + X_{3\_148} + X_{3\_159} + X_{3\_162} + X_{3\_169} + X_{3\_183} + X_{3\_190}$   
 $+ X_{3\_197} +$   
 $X_{3\_206} + X_{3\_210} + X_{3\_219} + X_{3\_228} + X_{3\_234} \geq 1;$   
 [\_1065]  $X_{3\_1} + X_{3\_9} + X_{3\_21} + X_{3\_31} + X_{3\_35} + X_{3\_47} + X_{3\_53} +$   
 $X_{3\_63} +$   
 $X_{3\_67} + X_{3\_79} + X_{3\_88} + X_{3\_93} + X_{3\_102} + X_{3\_111} + X_{3\_117} +$   
 $X_{3\_121} +$   
 $X_{3\_129} + X_{3\_141} + X_{3\_151} + X_{3\_155} + X_{3\_167} + X_{3\_173} + X_{3\_183} +$   
 $X_{3\_187} +$   
 $X_{3\_199} + X_{3\_208} + X_{3\_213} + X_{3\_222} + X_{3\_231} + X_{3\_237} \geq 1;$   
 [\_1066]  $X_{3\_6} + X_{3\_16} + X_{3\_18} + X_{3\_26} + X_{3\_37} + X_{3\_42} + X_{3\_54} +$   
 $X_{3\_60} +$   
 $X_{3\_68} + X_{3\_75} + X_{3\_84} + X_{3\_91} + X_{3\_101} + X_{3\_109} + X_{3\_117} +$   
 $X_{3\_126} +$   
 $X_{3\_136} + X_{3\_138} + X_{3\_146} + X_{3\_157} + X_{3\_162} + X_{3\_174} + X_{3\_180} +$   
 $X_{3\_188} +$   
 $X_{3\_195} + X_{3\_204} + X_{3\_211} + X_{3\_221} + X_{3\_229} + X_{3\_237} \geq 1;$   
 [\_1067]  $X_{3\_1} + X_{3\_15} + X_{3\_24} + X_{3\_27} + X_{3\_36} + X_{3\_44} + X_{3\_54} +$   
 $X_{3\_61} +$   
 $X_{3\_65} + X_{3\_80} + X_{3\_85} + X_{3\_92} + X_{3\_97} + X_{3\_108} + X_{3\_119} +$   
 $X_{3\_121} + X_{3\_135}$   
 $+ X_{3\_144} + X_{3\_147} + X_{3\_156} + X_{3\_164} + X_{3\_174} + X_{3\_181} + X_{3\_185}$   
 $+ X_{3\_200} +$   
 $X_{3\_205} + X_{3\_212} + X_{3\_217} + X_{3\_228} + X_{3\_239} \geq 1;$   
 [\_1068]  $X_{3\_6} + X_{3\_15} + X_{3\_23} + X_{3\_25} + X_{3\_38} + X_{3\_48} + X_{3\_56} +$   
 $X_{3\_62} +$   
 $X_{3\_70} + X_{3\_78} + X_{3\_88} + X_{3\_89} + X_{3\_100} + X_{3\_110} + X_{3\_118} +$   
 $X_{3\_126} +$   
 $X_{3\_135} + X_{3\_143} + X_{3\_145} + X_{3\_158} + X_{3\_168} + X_{3\_176} + X_{3\_182} +$   
 $X_{3\_190} +$   
 $X_{3\_198} + X_{3\_208} + X_{3\_209} + X_{3\_220} + X_{3\_230} + X_{3\_238} \geq 1;$   
 [\_1069]  $X_{3\_8} + X_{3\_12} + X_{3\_18} + X_{3\_27} + X_{3\_33} + X_{3\_45} + X_{3\_50} +$   
 $X_{3\_58} +$   
 $X_{3\_69} + X_{3\_77} + X_{3\_82} + X_{3\_93} + X_{3\_100} + X_{3\_112} + X_{3\_115} +$   
 $X_{3\_128} +$   
 $X_{3\_132} + X_{3\_138} + X_{3\_147} + X_{3\_153} + X_{3\_165} + X_{3\_170} + X_{3\_178} +$   
 $X_{3\_189} +$   
 $X_{3\_197} + X_{3\_202} + X_{3\_213} + X_{3\_220} + X_{3\_232} + X_{3\_235} \geq 1;$   
 [\_1070]  $X_{3\_7} + X_{3\_16} + X_{3\_24} + X_{3\_32} + X_{3\_40} + X_{3\_41} + X_{3\_55} +$   
 $X_{3\_64} +$   
 $X_{3\_71} + X_{3\_79} + X_{3\_81} + X_{3\_89} + X_{3\_99} + X_{3\_112} + X_{3\_120} +$   
 $X_{3\_127} + X_{3\_136}$   
 $+ X_{3\_144} + X_{3\_152} + X_{3\_160} + X_{3\_161} + X_{3\_175} + X_{3\_184} + X_{3\_191}$   
 $+ X_{3\_199} +$   
 $X_{3\_201} + X_{3\_209} + X_{3\_219} + X_{3\_232} + X_{3\_240} \geq 1;$   
 [\_1071]  $X_{3\_3} + X_{3\_13} + X_{3\_17} + X_{3\_29} + X_{3\_39} + X_{3\_46} + X_{3\_53} +$   
 $X_{3\_62} +$   
 $X_{3\_71} + X_{3\_73} + X_{3\_82} + X_{3\_92} + X_{3\_101} + X_{3\_105} + X_{3\_113} +$   
 $X_{3\_123} +$   
 $X_{3\_133} + X_{3\_137} + X_{3\_149} + X_{3\_159} + X_{3\_166} + X_{3\_173} + X_{3\_182} +$   
 $X_{3\_191} +$   
 $X_{3\_193} + X_{3\_202} + X_{3\_212} + X_{3\_221} + X_{3\_225} + X_{3\_233} \geq 1;$   
 [\_1072]  $X_{4\_3} + X_{4\_10} + X_{4\_19} + X_{4\_31} + X_{4\_38} + X_{4\_41} + X_{4\_50} +$   
 $X_{4\_59} +$

$X_{4\_66} + X_{4\_75} + X_{4\_85} + X_{4\_94} + X_{4\_104} + X_{4\_106} + X_{4\_116} +$   
 $X_{4\_123} +$   
 $X_{4\_130} + X_{4\_139} + X_{4\_151} + X_{4\_158} + X_{4\_161} + X_{4\_170} + X_{4\_179} +$   
 $X_{4\_186} +$   
 $X_{4\_195} + X_{4\_205} + X_{4\_214} + X_{4\_224} + X_{4\_226} + X_{4\_236} \geq 1;$   
 [\_1073]  $X_{4\_7} + X_{4\_12} + X_{4\_20} + X_{4\_29} + X_{4\_37} + X_{4\_44} + X_{4\_51} +$   
 $X_{4\_57} +$   
 $X_{4\_66} + X_{4\_74} + X_{4\_83} + X_{4\_90} + X_{4\_98} + X_{4\_111} + X_{4\_118} +$   
 $X_{4\_127} + X_{4\_132}$   
 $+ X_{4\_140} + X_{4\_149} + X_{4\_157} + X_{4\_164} + X_{4\_171} + X_{4\_177} + X_{4\_186}$   
 $+ X_{4\_194} +$   
 $X_{4\_203} + X_{4\_210} + X_{4\_218} + X_{4\_231} + X_{4\_238} \geq 1;$   
 [\_1074]  $X_{4\_4} + X_{4\_9} + X_{4\_23} + X_{4\_32} + X_{4\_33} + X_{4\_43} + X_{4\_51} +$   
 $X_{4\_60} +$   
 $X_{4\_65} + X_{4\_76} + X_{4\_87} + X_{4\_94} + X_{4\_103} + X_{4\_105} + X_{4\_114} +$   
 $X_{4\_124} +$   
 $X_{4\_129} + X_{4\_143} + X_{4\_152} + X_{4\_153} + X_{4\_163} + X_{4\_171} + X_{4\_180} +$   
 $X_{4\_185} +$   
 $X_{4\_196} + X_{4\_207} + X_{4\_214} + X_{4\_223} + X_{4\_225} + X_{4\_234} \geq 1;$   
 [\_1075]  $X_{4\_2} + X_{4\_11} + X_{4\_17} + X_{4\_28} + X_{4\_34} + X_{4\_47} + X_{4\_56} +$   
 $X_{4\_64} +$   
 $X_{4\_69} + X_{4\_76} + X_{4\_83} + X_{4\_91} + X_{4\_97} + X_{4\_107} + X_{4\_116} +$   
 $X_{4\_122} + X_{4\_131}$   
 $+ X_{4\_137} + X_{4\_148} + X_{4\_154} + X_{4\_167} + X_{4\_176} + X_{4\_184} + X_{4\_189}$   
 $+ X_{4\_196} +$   
 $X_{4\_203} + X_{4\_211} + X_{4\_217} + X_{4\_227} + X_{4\_236} \geq 1;$   
 [\_1076]  $X_{4\_8} + X_{4\_11} + X_{4\_20} + X_{4\_26} + X_{4\_36} + X_{4\_43} + X_{4\_52} +$   
 $X_{4\_59} +$   
 $X_{4\_72} + X_{4\_73} + X_{4\_86} + X_{4\_95} + X_{4\_102} + X_{4\_110} + X_{4\_120} +$   
 $X_{4\_128} +$   
 $X_{4\_131} + X_{4\_140} + X_{4\_146} + X_{4\_156} + X_{4\_163} + X_{4\_172} + X_{4\_179} +$   
 $X_{4\_192} +$   
 $X_{4\_193} + X_{4\_206} + X_{4\_215} + X_{4\_222} + X_{4\_230} + X_{4\_240} \geq 1;$   
 [\_1077]  $X_{4\_5} + X_{4\_14} + X_{4\_21} + X_{4\_25} + X_{4\_40} + X_{4\_45} + X_{4\_52} +$   
 $X_{4\_57} +$   
 $X_{4\_68} + X_{4\_80} + X_{4\_87} + X_{4\_96} + X_{4\_104} + X_{4\_107} + X_{4\_113} +$   
 $X_{4\_125} +$   
 $X_{4\_134} + X_{4\_141} + X_{4\_145} + X_{4\_160} + X_{4\_165} + X_{4\_172} + X_{4\_177} +$   
 $X_{4\_188} +$   
 $X_{4\_200} + X_{4\_207} + X_{4\_216} + X_{4\_224} + X_{4\_227} + X_{4\_233} \geq 1;$   
 [\_1078]  $X_{4\_2} + X_{4\_13} + X_{4\_22} + X_{4\_30} + X_{4\_35} + X_{4\_48} + X_{4\_55} +$   
 $X_{4\_61} +$   
 $X_{4\_72} + X_{4\_74} + X_{4\_84} + X_{4\_96} + X_{4\_103} + X_{4\_106} + X_{4\_115} +$   
 $X_{4\_122} +$   
 $X_{4\_133} + X_{4\_142} + X_{4\_150} + X_{4\_155} + X_{4\_168} + X_{4\_175} + X_{4\_181} +$   
 $X_{4\_192} +$   
 $X_{4\_194} + X_{4\_204} + X_{4\_216} + X_{4\_223} + X_{4\_226} + X_{4\_235} \geq 1;$   
 [\_1079]  $X_{4\_4} + X_{4\_14} + X_{4\_19} + X_{4\_30} + X_{4\_34} + X_{4\_46} + X_{4\_49} +$   
 $X_{4\_58} +$   
 $X_{4\_67} + X_{4\_78} + X_{4\_81} + X_{4\_95} + X_{4\_98} + X_{4\_109} + X_{4\_119} +$   
 $X_{4\_124} + X_{4\_134}$   
 $+ X_{4\_139} + X_{4\_150} + X_{4\_154} + X_{4\_166} + X_{4\_169} + X_{4\_178} + X_{4\_187}$   
 $+ X_{4\_198} +$   
 $X_{4\_201} + X_{4\_215} + X_{4\_218} + X_{4\_229} + X_{4\_239} \geq 1;$   
 [\_1080]  $X_{4\_5} + X_{4\_10} + X_{4\_22} + X_{4\_28} + X_{4\_39} + X_{4\_42} + X_{4\_49} +$   
 $X_{4\_63} +$



$X_{4\_70} + X_{4\_77} + X_{4\_86} + X_{4\_90} + X_{4\_99} + X_{4\_108} + X_{4\_114} +$   
 $X_{4\_125} + X_{4\_130}$   
 $+ X_{4\_142} + X_{4\_148} + X_{4\_159} + X_{4\_162} + X_{4\_169} + X_{4\_183} + X_{4\_190}$   
 $+ X_{4\_197} +$   
 $X_{4\_206} + X_{4\_210} + X_{4\_219} + X_{4\_228} + X_{4\_234} \geq 1;$   
 [\_1081]  $X_{4\_1} + X_{4\_9} + X_{4\_21} + X_{4\_31} + X_{4\_35} + X_{4\_47} + X_{4\_53} +$   
 $X_{4\_63} +$   
 $X_{4\_67} + X_{4\_79} + X_{4\_88} + X_{4\_93} + X_{4\_102} + X_{4\_111} + X_{4\_117} +$   
 $X_{4\_121} +$   
 $X_{4\_129} + X_{4\_141} + X_{4\_151} + X_{4\_155} + X_{4\_167} + X_{4\_173} + X_{4\_183} +$   
 $X_{4\_187} +$   
 $X_{4\_199} + X_{4\_208} + X_{4\_213} + X_{4\_222} + X_{4\_231} + X_{4\_237} \geq 1;$   
 [\_1082]  $X_{4\_6} + X_{4\_16} + X_{4\_18} + X_{4\_26} + X_{4\_37} + X_{4\_42} + X_{4\_54} +$   
 $X_{4\_60} +$   
 $X_{4\_68} + X_{4\_75} + X_{4\_84} + X_{4\_91} + X_{4\_101} + X_{4\_109} + X_{4\_117} +$   
 $X_{4\_126} +$   
 $X_{4\_136} + X_{4\_138} + X_{4\_146} + X_{4\_157} + X_{4\_162} + X_{4\_174} + X_{4\_180} +$   
 $X_{4\_188} +$   
 $X_{4\_195} + X_{4\_204} + X_{4\_211} + X_{4\_221} + X_{4\_229} + X_{4\_237} \geq 1;$   
 [\_1083]  $X_{4\_1} + X_{4\_15} + X_{4\_24} + X_{4\_27} + X_{4\_36} + X_{4\_44} + X_{4\_54} +$   
 $X_{4\_61} +$   
 $X_{4\_65} + X_{4\_80} + X_{4\_85} + X_{4\_92} + X_{4\_97} + X_{4\_108} + X_{4\_119} +$   
 $X_{4\_121} + X_{4\_135}$   
 $+ X_{4\_144} + X_{4\_147} + X_{4\_156} + X_{4\_164} + X_{4\_174} + X_{4\_181} + X_{4\_185}$   
 $+ X_{4\_200} +$   
 $X_{4\_205} + X_{4\_212} + X_{4\_217} + X_{4\_228} + X_{4\_239} \geq 1;$   
 [\_1084]  $X_{4\_6} + X_{4\_15} + X_{4\_23} + X_{4\_25} + X_{4\_38} + X_{4\_48} + X_{4\_56} +$   
 $X_{4\_62} +$   
 $X_{4\_70} + X_{4\_78} + X_{4\_88} + X_{4\_89} + X_{4\_100} + X_{4\_110} + X_{4\_118} +$   
 $X_{4\_126} +$   
 $X_{4\_135} + X_{4\_143} + X_{4\_145} + X_{4\_158} + X_{4\_168} + X_{4\_176} + X_{4\_182} +$   
 $X_{4\_190} +$   
 $X_{4\_198} + X_{4\_208} + X_{4\_209} + X_{4\_220} + X_{4\_230} + X_{4\_238} \geq 1;$   
 [\_1085]  $X_{4\_8} + X_{4\_12} + X_{4\_18} + X_{4\_27} + X_{4\_33} + X_{4\_45} + X_{4\_50} +$   
 $X_{4\_58} +$   
 $X_{4\_69} + X_{4\_77} + X_{4\_82} + X_{4\_93} + X_{4\_100} + X_{4\_112} + X_{4\_115} +$   
 $X_{4\_128} +$   
 $X_{4\_132} + X_{4\_138} + X_{4\_147} + X_{4\_153} + X_{4\_165} + X_{4\_170} + X_{4\_178} +$   
 $X_{4\_189} +$   
 $X_{4\_197} + X_{4\_202} + X_{4\_213} + X_{4\_220} + X_{4\_232} + X_{4\_235} \geq 1;$   
 [\_1086]  $X_{4\_7} + X_{4\_16} + X_{4\_24} + X_{4\_32} + X_{4\_40} + X_{4\_41} + X_{4\_55} +$   
 $X_{4\_64} +$   
 $X_{4\_71} + X_{4\_79} + X_{4\_81} + X_{4\_89} + X_{4\_99} + X_{4\_112} + X_{4\_120} +$   
 $X_{4\_127} + X_{4\_136}$   
 $+ X_{4\_144} + X_{4\_152} + X_{4\_160} + X_{4\_161} + X_{4\_175} + X_{4\_184} + X_{4\_191}$   
 $+ X_{4\_199} +$   
 $X_{4\_201} + X_{4\_209} + X_{4\_219} + X_{4\_232} + X_{4\_240} \geq 1;$   
 [\_1087]  $X_{4\_3} + X_{4\_13} + X_{4\_17} + X_{4\_29} + X_{4\_39} + X_{4\_46} + X_{4\_53} +$   
 $X_{4\_62} +$   
 $X_{4\_71} + X_{4\_73} + X_{4\_82} + X_{4\_92} + X_{4\_101} + X_{4\_105} + X_{4\_113} +$   
 $X_{4\_123} +$   
 $X_{4\_133} + X_{4\_137} + X_{4\_149} + X_{4\_159} + X_{4\_166} + X_{4\_173} + X_{4\_182} +$   
 $X_{4\_191} +$   
 $X_{4\_193} + X_{4\_202} + X_{4\_212} + X_{4\_221} + X_{4\_225} + X_{4\_233} \geq 1;$   
 [\_1088]  $X_{5\_3} + X_{5\_10} + X_{5\_19} + X_{5\_31} + X_{5\_38} + X_{5\_41} + X_{5\_50} +$   
 $X_{5\_59} +$

$X_{5\_66} + X_{5\_75} + X_{5\_85} + X_{5\_94} + X_{5\_104} + X_{5\_106} + X_{5\_116} +$   
 $X_{5\_123} +$   
 $X_{5\_130} + X_{5\_139} + X_{5\_151} + X_{5\_158} + X_{5\_161} + X_{5\_170} + X_{5\_179} +$   
 $X_{5\_186} +$   
 $X_{5\_195} + X_{5\_205} + X_{5\_214} + X_{5\_224} + X_{5\_226} + X_{5\_236} \geq 1;$   
 [\_1089]  $X_{5\_7} + X_{5\_12} + X_{5\_20} + X_{5\_29} + X_{5\_37} + X_{5\_44} + X_{5\_51} +$   
 $X_{5\_57} +$   
 $X_{5\_66} + X_{5\_74} + X_{5\_83} + X_{5\_90} + X_{5\_98} + X_{5\_111} + X_{5\_118} +$   
 $X_{5\_127} + X_{5\_132}$   
 $+ X_{5\_140} + X_{5\_149} + X_{5\_157} + X_{5\_164} + X_{5\_171} + X_{5\_177} + X_{5\_186}$   
 $+ X_{5\_194} +$   
 $X_{5\_203} + X_{5\_210} + X_{5\_218} + X_{5\_231} + X_{5\_238} \geq 1;$   
 [\_1090]  $X_{5\_4} + X_{5\_9} + X_{5\_23} + X_{5\_32} + X_{5\_33} + X_{5\_43} + X_{5\_51} +$   
 $X_{5\_60} +$   
 $X_{5\_65} + X_{5\_76} + X_{5\_87} + X_{5\_94} + X_{5\_103} + X_{5\_105} + X_{5\_114} +$   
 $X_{5\_124} +$   
 $X_{5\_129} + X_{5\_143} + X_{5\_152} + X_{5\_153} + X_{5\_163} + X_{5\_171} + X_{5\_180} +$   
 $X_{5\_185} +$   
 $X_{5\_196} + X_{5\_207} + X_{5\_214} + X_{5\_223} + X_{5\_225} + X_{5\_234} \geq 1;$   
 [\_1091]  $X_{5\_2} + X_{5\_11} + X_{5\_17} + X_{5\_28} + X_{5\_34} + X_{5\_47} + X_{5\_56} +$   
 $X_{5\_64} +$   
 $X_{5\_69} + X_{5\_76} + X_{5\_83} + X_{5\_91} + X_{5\_97} + X_{5\_107} + X_{5\_116} +$   
 $X_{5\_122} + X_{5\_131}$   
 $+ X_{5\_137} + X_{5\_148} + X_{5\_154} + X_{5\_167} + X_{5\_176} + X_{5\_184} + X_{5\_189}$   
 $+ X_{5\_196} +$   
 $X_{5\_203} + X_{5\_211} + X_{5\_217} + X_{5\_227} + X_{5\_236} \geq 1;$   
 [\_1092]  $X_{5\_8} + X_{5\_11} + X_{5\_20} + X_{5\_26} + X_{5\_36} + X_{5\_43} + X_{5\_52} +$   
 $X_{5\_59} +$   
 $X_{5\_72} + X_{5\_73} + X_{5\_86} + X_{5\_95} + X_{5\_102} + X_{5\_110} + X_{5\_120} +$   
 $X_{5\_128} +$   
 $X_{5\_131} + X_{5\_140} + X_{5\_146} + X_{5\_156} + X_{5\_163} + X_{5\_172} + X_{5\_179} +$   
 $X_{5\_192} +$   
 $X_{5\_193} + X_{5\_206} + X_{5\_215} + X_{5\_222} + X_{5\_230} + X_{5\_240} \geq 1;$   
 [\_1093]  $X_{5\_5} + X_{5\_14} + X_{5\_21} + X_{5\_25} + X_{5\_40} + X_{5\_45} + X_{5\_52} +$   
 $X_{5\_57} +$   
 $X_{5\_68} + X_{5\_80} + X_{5\_87} + X_{5\_96} + X_{5\_104} + X_{5\_107} + X_{5\_113} +$   
 $X_{5\_125} +$   
 $X_{5\_134} + X_{5\_141} + X_{5\_145} + X_{5\_160} + X_{5\_165} + X_{5\_172} + X_{5\_177} +$   
 $X_{5\_188} +$   
 $X_{5\_200} + X_{5\_207} + X_{5\_216} + X_{5\_224} + X_{5\_227} + X_{5\_233} \geq 1;$   
 [\_1094]  $X_{5\_2} + X_{5\_13} + X_{5\_22} + X_{5\_30} + X_{5\_35} + X_{5\_48} + X_{5\_55} +$   
 $X_{5\_61} +$   
 $X_{5\_72} + X_{5\_74} + X_{5\_84} + X_{5\_96} + X_{5\_103} + X_{5\_106} + X_{5\_115} +$   
 $X_{5\_122} +$   
 $X_{5\_133} + X_{5\_142} + X_{5\_150} + X_{5\_155} + X_{5\_168} + X_{5\_175} + X_{5\_181} +$   
 $X_{5\_192} +$   
 $X_{5\_194} + X_{5\_204} + X_{5\_216} + X_{5\_223} + X_{5\_226} + X_{5\_235} \geq 1;$   
 [\_1095]  $X_{5\_4} + X_{5\_14} + X_{5\_19} + X_{5\_30} + X_{5\_34} + X_{5\_46} + X_{5\_49} +$   
 $X_{5\_58} +$   
 $X_{5\_67} + X_{5\_78} + X_{5\_81} + X_{5\_95} + X_{5\_98} + X_{5\_109} + X_{5\_119} +$   
 $X_{5\_124} + X_{5\_134}$   
 $+ X_{5\_139} + X_{5\_150} + X_{5\_154} + X_{5\_166} + X_{5\_169} + X_{5\_178} + X_{5\_187}$   
 $+ X_{5\_198} +$   
 $X_{5\_201} + X_{5\_215} + X_{5\_218} + X_{5\_229} + X_{5\_239} \geq 1;$   
 [\_1096]  $X_{5\_5} + X_{5\_10} + X_{5\_22} + X_{5\_28} + X_{5\_39} + X_{5\_42} + X_{5\_49} +$   
 $X_{5\_63} +$

$X_{5\_70} + X_{5\_77} + X_{5\_86} + X_{5\_90} + X_{5\_99} + X_{5\_108} + X_{5\_114} +$   
 $X_{5\_125} + X_{5\_130}$   
 $+ X_{5\_142} + X_{5\_148} + X_{5\_159} + X_{5\_162} + X_{5\_169} + X_{5\_183} + X_{5\_190}$   
 $+ X_{5\_197} +$   
 $X_{5\_206} + X_{5\_210} + X_{5\_219} + X_{5\_228} + X_{5\_234} \geq 1;$   
 [\_1097]  $X_{5\_1} + X_{5\_9} + X_{5\_21} + X_{5\_31} + X_{5\_35} + X_{5\_47} + X_{5\_53} +$   
 $X_{5\_63} +$   
 $X_{5\_67} + X_{5\_79} + X_{5\_88} + X_{5\_93} + X_{5\_102} + X_{5\_111} + X_{5\_117} +$   
 $X_{5\_121} +$   
 $X_{5\_129} + X_{5\_141} + X_{5\_151} + X_{5\_155} + X_{5\_167} + X_{5\_173} + X_{5\_183} +$   
 $X_{5\_187} +$   
 $X_{5\_199} + X_{5\_208} + X_{5\_213} + X_{5\_222} + X_{5\_231} + X_{5\_237} \geq 1;$   
 [\_1098]  $X_{5\_6} + X_{5\_16} + X_{5\_18} + X_{5\_26} + X_{5\_37} + X_{5\_42} + X_{5\_54} +$   
 $X_{5\_60} +$   
 $X_{5\_68} + X_{5\_75} + X_{5\_84} + X_{5\_91} + X_{5\_101} + X_{5\_109} + X_{5\_117} +$   
 $X_{5\_126} +$   
 $X_{5\_136} + X_{5\_138} + X_{5\_146} + X_{5\_157} + X_{5\_162} + X_{5\_174} + X_{5\_180} +$   
 $X_{5\_188} +$   
 $X_{5\_195} + X_{5\_204} + X_{5\_211} + X_{5\_221} + X_{5\_229} + X_{5\_237} \geq 1;$   
 [\_1099]  $X_{5\_1} + X_{5\_15} + X_{5\_24} + X_{5\_27} + X_{5\_36} + X_{5\_44} + X_{5\_54} +$   
 $X_{5\_61} +$   
 $X_{5\_65} + X_{5\_80} + X_{5\_85} + X_{5\_92} + X_{5\_97} + X_{5\_108} + X_{5\_119} +$   
 $X_{5\_121} + X_{5\_135}$   
 $+ X_{5\_144} + X_{5\_147} + X_{5\_156} + X_{5\_164} + X_{5\_174} + X_{5\_181} + X_{5\_185}$   
 $+ X_{5\_200} +$   
 $X_{5\_205} + X_{5\_212} + X_{5\_217} + X_{5\_228} + X_{5\_239} \geq 1;$   
 [\_1100]  $X_{5\_6} + X_{5\_15} + X_{5\_23} + X_{5\_25} + X_{5\_38} + X_{5\_48} + X_{5\_56} +$   
 $X_{5\_62} +$   
 $X_{5\_70} + X_{5\_78} + X_{5\_88} + X_{5\_89} + X_{5\_100} + X_{5\_110} + X_{5\_118} +$   
 $X_{5\_126} +$   
 $X_{5\_135} + X_{5\_143} + X_{5\_145} + X_{5\_158} + X_{5\_168} + X_{5\_176} + X_{5\_182} +$   
 $X_{5\_190} +$   
 $X_{5\_198} + X_{5\_208} + X_{5\_209} + X_{5\_220} + X_{5\_230} + X_{5\_238} \geq 1;$   
 [\_1101]  $X_{5\_8} + X_{5\_12} + X_{5\_18} + X_{5\_27} + X_{5\_33} + X_{5\_45} + X_{5\_50} +$   
 $X_{5\_58} +$   
 $X_{5\_69} + X_{5\_77} + X_{5\_82} + X_{5\_93} + X_{5\_100} + X_{5\_112} + X_{5\_115} +$   
 $X_{5\_128} +$   
 $X_{5\_132} + X_{5\_138} + X_{5\_147} + X_{5\_153} + X_{5\_165} + X_{5\_170} + X_{5\_178} +$   
 $X_{5\_189} +$   
 $X_{5\_197} + X_{5\_202} + X_{5\_213} + X_{5\_220} + X_{5\_232} + X_{5\_235} \geq 1;$   
 [\_1102]  $X_{5\_7} + X_{5\_16} + X_{5\_24} + X_{5\_32} + X_{5\_40} + X_{5\_41} + X_{5\_55} +$   
 $X_{5\_64} +$   
 $X_{5\_71} + X_{5\_79} + X_{5\_81} + X_{5\_89} + X_{5\_99} + X_{5\_112} + X_{5\_120} +$   
 $X_{5\_127} + X_{5\_136}$   
 $+ X_{5\_144} + X_{5\_152} + X_{5\_160} + X_{5\_161} + X_{5\_175} + X_{5\_184} + X_{5\_191}$   
 $+ X_{5\_199} +$   
 $X_{5\_201} + X_{5\_209} + X_{5\_219} + X_{5\_232} + X_{5\_240} \geq 1;$   
 [\_1103]  $X_{5\_3} + X_{5\_13} + X_{5\_17} + X_{5\_29} + X_{5\_39} + X_{5\_46} + X_{5\_53} +$   
 $X_{5\_62} +$   
 $X_{5\_71} + X_{5\_73} + X_{5\_82} + X_{5\_92} + X_{5\_101} + X_{5\_105} + X_{5\_113} +$   
 $X_{5\_123} +$   
 $X_{5\_133} + X_{5\_137} + X_{5\_149} + X_{5\_159} + X_{5\_166} + X_{5\_173} + X_{5\_182} +$   
 $X_{5\_191} +$   
 $X_{5\_193} + X_{5\_202} + X_{5\_212} + X_{5\_221} + X_{5\_225} + X_{5\_233} \geq 1;$   
 [\_1104]  $X_{6\_3} + X_{6\_10} + X_{6\_19} + X_{6\_31} + X_{6\_38} + X_{6\_41} + X_{6\_50} +$   
 $X_{6\_59} +$

$X_{6\_66} + X_{6\_75} + X_{6\_85} + X_{6\_94} + X_{6\_104} + X_{6\_106} + X_{6\_116} + X_{6\_123} +$   
 $X_{6\_130} + X_{6\_139} + X_{6\_151} + X_{6\_158} + X_{6\_161} + X_{6\_170} + X_{6\_179} + X_{6\_186} +$   
 $X_{6\_195} + X_{6\_205} + X_{6\_214} + X_{6\_224} + X_{6\_226} + X_{6\_236} \geq 1;$   
 [\_1105]  $X_{6\_7} + X_{6\_12} + X_{6\_20} + X_{6\_29} + X_{6\_37} + X_{6\_44} + X_{6\_51} + X_{6\_57} +$   
 $X_{6\_66} + X_{6\_74} + X_{6\_83} + X_{6\_90} + X_{6\_98} + X_{6\_111} + X_{6\_118} + X_{6\_127} + X_{6\_132}$   
 $+ X_{6\_140} + X_{6\_149} + X_{6\_157} + X_{6\_164} + X_{6\_171} + X_{6\_177} + X_{6\_186} + X_{6\_194} +$   
 $X_{6\_203} + X_{6\_210} + X_{6\_218} + X_{6\_231} + X_{6\_238} \geq 1;$   
 [\_1106]  $X_{6\_4} + X_{6\_9} + X_{6\_23} + X_{6\_32} + X_{6\_33} + X_{6\_43} + X_{6\_51} + X_{6\_60} +$   
 $X_{6\_65} + X_{6\_76} + X_{6\_87} + X_{6\_94} + X_{6\_103} + X_{6\_105} + X_{6\_114} + X_{6\_124} +$   
 $X_{6\_129} + X_{6\_143} + X_{6\_152} + X_{6\_153} + X_{6\_163} + X_{6\_171} + X_{6\_180} + X_{6\_185} +$   
 $X_{6\_196} + X_{6\_207} + X_{6\_214} + X_{6\_223} + X_{6\_225} + X_{6\_234} \geq 1;$   
 [\_1107]  $X_{6\_2} + X_{6\_11} + X_{6\_17} + X_{6\_28} + X_{6\_34} + X_{6\_47} + X_{6\_56} + X_{6\_64} +$   
 $X_{6\_69} + X_{6\_76} + X_{6\_83} + X_{6\_91} + X_{6\_97} + X_{6\_107} + X_{6\_116} + X_{6\_122} + X_{6\_131}$   
 $+ X_{6\_137} + X_{6\_148} + X_{6\_154} + X_{6\_167} + X_{6\_176} + X_{6\_184} + X_{6\_189} + X_{6\_196} +$   
 $X_{6\_203} + X_{6\_211} + X_{6\_217} + X_{6\_227} + X_{6\_236} \geq 1;$   
 [\_1108]  $X_{6\_8} + X_{6\_11} + X_{6\_20} + X_{6\_26} + X_{6\_36} + X_{6\_43} + X_{6\_52} + X_{6\_59} +$   
 $X_{6\_72} + X_{6\_73} + X_{6\_86} + X_{6\_95} + X_{6\_102} + X_{6\_110} + X_{6\_120} + X_{6\_128} +$   
 $X_{6\_131} + X_{6\_140} + X_{6\_146} + X_{6\_156} + X_{6\_163} + X_{6\_172} + X_{6\_179} + X_{6\_192} +$   
 $X_{6\_193} + X_{6\_206} + X_{6\_215} + X_{6\_222} + X_{6\_230} + X_{6\_240} \geq 1;$   
 [\_1109]  $X_{6\_5} + X_{6\_14} + X_{6\_21} + X_{6\_25} + X_{6\_40} + X_{6\_45} + X_{6\_52} + X_{6\_57} +$   
 $X_{6\_68} + X_{6\_80} + X_{6\_87} + X_{6\_96} + X_{6\_104} + X_{6\_107} + X_{6\_113} + X_{6\_125} +$   
 $X_{6\_134} + X_{6\_141} + X_{6\_145} + X_{6\_160} + X_{6\_165} + X_{6\_172} + X_{6\_177} + X_{6\_188} +$   
 $X_{6\_200} + X_{6\_207} + X_{6\_216} + X_{6\_224} + X_{6\_227} + X_{6\_233} \geq 1;$   
 [\_1110]  $X_{6\_2} + X_{6\_13} + X_{6\_22} + X_{6\_30} + X_{6\_35} + X_{6\_48} + X_{6\_55} + X_{6\_61} +$   
 $X_{6\_72} + X_{6\_74} + X_{6\_84} + X_{6\_96} + X_{6\_103} + X_{6\_106} + X_{6\_115} + X_{6\_122} +$   
 $X_{6\_133} + X_{6\_142} + X_{6\_150} + X_{6\_155} + X_{6\_168} + X_{6\_175} + X_{6\_181} + X_{6\_192} +$   
 $X_{6\_194} + X_{6\_204} + X_{6\_216} + X_{6\_223} + X_{6\_226} + X_{6\_235} \geq 1;$   
 [\_1111]  $X_{6\_4} + X_{6\_14} + X_{6\_19} + X_{6\_30} + X_{6\_34} + X_{6\_46} + X_{6\_49} + X_{6\_58} +$   
 $X_{6\_67} + X_{6\_78} + X_{6\_81} + X_{6\_95} + X_{6\_98} + X_{6\_109} + X_{6\_119} + X_{6\_124} + X_{6\_134}$   
 $+ X_{6\_139} + X_{6\_150} + X_{6\_154} + X_{6\_166} + X_{6\_169} + X_{6\_178} + X_{6\_187} + X_{6\_198} +$   
 $X_{6\_201} + X_{6\_215} + X_{6\_218} + X_{6\_229} + X_{6\_239} \geq 1;$   
 [\_1112]  $X_{6\_5} + X_{6\_10} + X_{6\_22} + X_{6\_28} + X_{6\_39} + X_{6\_42} + X_{6\_49} + X_{6\_63} +$

$X_{6\_70} + X_{6\_77} + X_{6\_86} + X_{6\_90} + X_{6\_99} + X_{6\_108} + X_{6\_114} +$   
 $X_{6\_125} + X_{6\_130}$   
 $+ X_{6\_142} + X_{6\_148} + X_{6\_159} + X_{6\_162} + X_{6\_169} + X_{6\_183} + X_{6\_190}$   
 $+ X_{6\_197} +$   
 $X_{6\_206} + X_{6\_210} + X_{6\_219} + X_{6\_228} + X_{6\_234} \geq 1;$   
 [\_1113]  $X_{6\_1} + X_{6\_9} + X_{6\_21} + X_{6\_31} + X_{6\_35} + X_{6\_47} + X_{6\_53} +$   
 $X_{6\_63} +$   
 $X_{6\_67} + X_{6\_79} + X_{6\_88} + X_{6\_93} + X_{6\_102} + X_{6\_111} + X_{6\_117} +$   
 $X_{6\_121} +$   
 $X_{6\_129} + X_{6\_141} + X_{6\_151} + X_{6\_155} + X_{6\_167} + X_{6\_173} + X_{6\_183} +$   
 $X_{6\_187} +$   
 $X_{6\_199} + X_{6\_208} + X_{6\_213} + X_{6\_222} + X_{6\_231} + X_{6\_237} \geq 1;$   
 [\_1114]  $X_{6\_6} + X_{6\_16} + X_{6\_18} + X_{6\_26} + X_{6\_37} + X_{6\_42} + X_{6\_54} +$   
 $X_{6\_60} +$   
 $X_{6\_68} + X_{6\_75} + X_{6\_84} + X_{6\_91} + X_{6\_101} + X_{6\_109} + X_{6\_117} +$   
 $X_{6\_126} +$   
 $X_{6\_136} + X_{6\_138} + X_{6\_146} + X_{6\_157} + X_{6\_162} + X_{6\_174} + X_{6\_180} +$   
 $X_{6\_188} +$   
 $X_{6\_195} + X_{6\_204} + X_{6\_211} + X_{6\_221} + X_{6\_229} + X_{6\_237} \geq 1;$   
 [\_1115]  $X_{6\_1} + X_{6\_15} + X_{6\_24} + X_{6\_27} + X_{6\_36} + X_{6\_44} + X_{6\_54} +$   
 $X_{6\_61} +$   
 $X_{6\_65} + X_{6\_80} + X_{6\_85} + X_{6\_92} + X_{6\_97} + X_{6\_108} + X_{6\_119} +$   
 $X_{6\_121} + X_{6\_135}$   
 $+ X_{6\_144} + X_{6\_147} + X_{6\_156} + X_{6\_164} + X_{6\_174} + X_{6\_181} + X_{6\_185}$   
 $+ X_{6\_200} +$   
 $X_{6\_205} + X_{6\_212} + X_{6\_217} + X_{6\_228} + X_{6\_239} \geq 1;$   
 [\_1116]  $X_{6\_6} + X_{6\_15} + X_{6\_23} + X_{6\_25} + X_{6\_38} + X_{6\_48} + X_{6\_56} +$   
 $X_{6\_62} +$   
 $X_{6\_70} + X_{6\_78} + X_{6\_88} + X_{6\_89} + X_{6\_100} + X_{6\_110} + X_{6\_118} +$   
 $X_{6\_126} +$   
 $X_{6\_135} + X_{6\_143} + X_{6\_145} + X_{6\_158} + X_{6\_168} + X_{6\_176} + X_{6\_182} +$   
 $X_{6\_190} +$   
 $X_{6\_198} + X_{6\_208} + X_{6\_209} + X_{6\_220} + X_{6\_230} + X_{6\_238} \geq 1;$   
 [\_1117]  $X_{6\_8} + X_{6\_12} + X_{6\_18} + X_{6\_27} + X_{6\_33} + X_{6\_45} + X_{6\_50} +$   
 $X_{6\_58} +$   
 $X_{6\_69} + X_{6\_77} + X_{6\_82} + X_{6\_93} + X_{6\_100} + X_{6\_112} + X_{6\_115} +$   
 $X_{6\_128} +$   
 $X_{6\_132} + X_{6\_138} + X_{6\_147} + X_{6\_153} + X_{6\_165} + X_{6\_170} + X_{6\_178} +$   
 $X_{6\_189} +$   
 $X_{6\_197} + X_{6\_202} + X_{6\_213} + X_{6\_220} + X_{6\_232} + X_{6\_235} \geq 1;$   
 [\_1118]  $X_{6\_7} + X_{6\_16} + X_{6\_24} + X_{6\_32} + X_{6\_40} + X_{6\_41} + X_{6\_55} +$   
 $X_{6\_64} +$   
 $X_{6\_71} + X_{6\_79} + X_{6\_81} + X_{6\_89} + X_{6\_99} + X_{6\_112} + X_{6\_120} +$   
 $X_{6\_127} + X_{6\_136}$   
 $+ X_{6\_144} + X_{6\_152} + X_{6\_160} + X_{6\_161} + X_{6\_175} + X_{6\_184} + X_{6\_191}$   
 $+ X_{6\_199} +$   
 $X_{6\_201} + X_{6\_209} + X_{6\_219} + X_{6\_232} + X_{6\_240} \geq 1;$   
 [\_1119]  $X_{6\_3} + X_{6\_13} + X_{6\_17} + X_{6\_29} + X_{6\_39} + X_{6\_46} + X_{6\_53} +$   
 $X_{6\_62} +$   
 $X_{6\_71} + X_{6\_73} + X_{6\_82} + X_{6\_92} + X_{6\_101} + X_{6\_105} + X_{6\_113} +$   
 $X_{6\_123} +$   
 $X_{6\_133} + X_{6\_137} + X_{6\_149} + X_{6\_159} + X_{6\_166} + X_{6\_173} + X_{6\_182} +$   
 $X_{6\_191} +$   
 $X_{6\_193} + X_{6\_202} + X_{6\_212} + X_{6\_221} + X_{6\_225} + X_{6\_233} \geq 1;$   
 [\_1120]  $X_{7\_3} + X_{7\_10} + X_{7\_19} + X_{7\_31} + X_{7\_38} + X_{7\_41} + X_{7\_50} +$   
 $X_{7\_59} +$

$X_{7\_66} + X_{7\_75} + X_{7\_85} + X_{7\_94} + X_{7\_104} + X_{7\_106} + X_{7\_116} +$   
 $X_{7\_123} +$   
 $X_{7\_130} + X_{7\_139} + X_{7\_151} + X_{7\_158} + X_{7\_161} + X_{7\_170} + X_{7\_179} +$   
 $X_{7\_186} +$   
 $X_{7\_195} + X_{7\_205} + X_{7\_214} + X_{7\_224} + X_{7\_226} + X_{7\_236} \geq 1;$   
 $[_{1121}] X_{7\_7} + X_{7\_12} + X_{7\_20} + X_{7\_29} + X_{7\_37} + X_{7\_44} + X_{7\_51} +$   
 $X_{7\_57} +$   
 $X_{7\_66} + X_{7\_74} + X_{7\_83} + X_{7\_90} + X_{7\_98} + X_{7\_111} + X_{7\_118} +$   
 $X_{7\_127} + X_{7\_132}$   
 $+ X_{7\_140} + X_{7\_149} + X_{7\_157} + X_{7\_164} + X_{7\_171} + X_{7\_177} + X_{7\_186}$   
 $+ X_{7\_194} +$   
 $X_{7\_203} + X_{7\_210} + X_{7\_218} + X_{7\_231} + X_{7\_238} \geq 1;$   
 $[_{1122}] X_{7\_4} + X_{7\_9} + X_{7\_23} + X_{7\_32} + X_{7\_33} + X_{7\_43} + X_{7\_51} +$   
 $X_{7\_60} +$   
 $X_{7\_65} + X_{7\_76} + X_{7\_87} + X_{7\_94} + X_{7\_103} + X_{7\_105} + X_{7\_114} +$   
 $X_{7\_124} +$   
 $X_{7\_129} + X_{7\_143} + X_{7\_152} + X_{7\_153} + X_{7\_163} + X_{7\_171} + X_{7\_180} +$   
 $X_{7\_185} +$   
 $X_{7\_196} + X_{7\_207} + X_{7\_214} + X_{7\_223} + X_{7\_225} + X_{7\_234} \geq 1;$   
 $[_{1123}] X_{7\_2} + X_{7\_11} + X_{7\_17} + X_{7\_28} + X_{7\_34} + X_{7\_47} + X_{7\_56} +$   
 $X_{7\_64} +$   
 $X_{7\_69} + X_{7\_76} + X_{7\_83} + X_{7\_91} + X_{7\_97} + X_{7\_107} + X_{7\_116} +$   
 $X_{7\_122} + X_{7\_131}$   
 $+ X_{7\_137} + X_{7\_148} + X_{7\_154} + X_{7\_167} + X_{7\_176} + X_{7\_184} + X_{7\_189}$   
 $+ X_{7\_196} +$   
 $X_{7\_203} + X_{7\_211} + X_{7\_217} + X_{7\_227} + X_{7\_236} \geq 1;$   
 $[_{1124}] X_{7\_8} + X_{7\_11} + X_{7\_20} + X_{7\_26} + X_{7\_36} + X_{7\_43} + X_{7\_52} +$   
 $X_{7\_59} +$   
 $X_{7\_72} + X_{7\_73} + X_{7\_86} + X_{7\_95} + X_{7\_102} + X_{7\_110} + X_{7\_120} +$   
 $X_{7\_128} +$   
 $X_{7\_131} + X_{7\_140} + X_{7\_146} + X_{7\_156} + X_{7\_163} + X_{7\_172} + X_{7\_179} +$   
 $X_{7\_192} +$   
 $X_{7\_193} + X_{7\_206} + X_{7\_215} + X_{7\_222} + X_{7\_230} + X_{7\_240} \geq 1;$   
 $[_{1125}] X_{7\_5} + X_{7\_14} + X_{7\_21} + X_{7\_25} + X_{7\_40} + X_{7\_45} + X_{7\_52} +$   
 $X_{7\_57} +$   
 $X_{7\_68} + X_{7\_80} + X_{7\_87} + X_{7\_96} + X_{7\_104} + X_{7\_107} + X_{7\_113} +$   
 $X_{7\_125} +$   
 $X_{7\_134} + X_{7\_141} + X_{7\_145} + X_{7\_160} + X_{7\_165} + X_{7\_172} + X_{7\_177} +$   
 $X_{7\_188} +$   
 $X_{7\_200} + X_{7\_207} + X_{7\_216} + X_{7\_224} + X_{7\_227} + X_{7\_233} \geq 1;$   
 $[_{1126}] X_{7\_2} + X_{7\_13} + X_{7\_22} + X_{7\_30} + X_{7\_35} + X_{7\_48} + X_{7\_55} +$   
 $X_{7\_61} +$   
 $X_{7\_72} + X_{7\_74} + X_{7\_84} + X_{7\_96} + X_{7\_103} + X_{7\_106} + X_{7\_115} +$   
 $X_{7\_122} +$   
 $X_{7\_133} + X_{7\_142} + X_{7\_150} + X_{7\_155} + X_{7\_168} + X_{7\_175} + X_{7\_181} +$   
 $X_{7\_192} +$   
 $X_{7\_194} + X_{7\_204} + X_{7\_216} + X_{7\_223} + X_{7\_226} + X_{7\_235} \geq 1;$   
 $[_{1127}] X_{7\_4} + X_{7\_14} + X_{7\_19} + X_{7\_30} + X_{7\_34} + X_{7\_46} + X_{7\_49} +$   
 $X_{7\_58} +$   
 $X_{7\_67} + X_{7\_78} + X_{7\_81} + X_{7\_95} + X_{7\_98} + X_{7\_109} + X_{7\_119} +$   
 $X_{7\_124} + X_{7\_134}$   
 $+ X_{7\_139} + X_{7\_150} + X_{7\_154} + X_{7\_166} + X_{7\_169} + X_{7\_178} + X_{7\_187}$   
 $+ X_{7\_198} +$   
 $X_{7\_201} + X_{7\_215} + X_{7\_218} + X_{7\_229} + X_{7\_239} \geq 1;$   
 $[_{1128}] X_{7\_5} + X_{7\_10} + X_{7\_22} + X_{7\_28} + X_{7\_39} + X_{7\_42} + X_{7\_49} +$   
 $X_{7\_63} +$

$X_7_{70} + X_7_{77} + X_7_{86} + X_7_{90} + X_7_{99} + X_7_{108} + X_7_{114} +$   
 $X_7_{125} + X_7_{130}$   
 $+ X_7_{142} + X_7_{148} + X_7_{159} + X_7_{162} + X_7_{169} + X_7_{183} + X_7_{190}$   
 $+ X_7_{197} +$   
 $X_7_{206} + X_7_{210} + X_7_{219} + X_7_{228} + X_7_{234} \geq 1;$   
 [\_1129]  $X_7_1 + X_7_9 + X_7_{21} + X_7_{31} + X_7_{35} + X_7_{47} + X_7_{53} +$   
 $X_7_{63} +$   
 $X_7_{67} + X_7_{79} + X_7_{88} + X_7_{93} + X_7_{102} + X_7_{111} + X_7_{117} +$   
 $X_7_{121} +$   
 $X_7_{129} + X_7_{141} + X_7_{151} + X_7_{155} + X_7_{167} + X_7_{173} + X_7_{183} +$   
 $X_7_{187} +$   
 $X_7_{199} + X_7_{208} + X_7_{213} + X_7_{222} + X_7_{231} + X_7_{237} \geq 1;$   
 [\_1130]  $X_7_6 + X_7_{16} + X_7_{18} + X_7_{26} + X_7_{37} + X_7_{42} + X_7_{54} +$   
 $X_7_{60} +$   
 $X_7_{68} + X_7_{75} + X_7_{84} + X_7_{91} + X_7_{101} + X_7_{109} + X_7_{117} +$   
 $X_7_{126} +$   
 $X_7_{136} + X_7_{138} + X_7_{146} + X_7_{157} + X_7_{162} + X_7_{174} + X_7_{180} +$   
 $X_7_{188} +$   
 $X_7_{195} + X_7_{204} + X_7_{211} + X_7_{221} + X_7_{229} + X_7_{237} \geq 1;$   
 [\_1131]  $X_7_1 + X_7_{15} + X_7_{24} + X_7_{27} + X_7_{36} + X_7_{44} + X_7_{54} +$   
 $X_7_{61} +$   
 $X_7_{65} + X_7_{80} + X_7_{85} + X_7_{92} + X_7_{97} + X_7_{108} + X_7_{119} +$   
 $X_7_{121} + X_7_{135}$   
 $+ X_7_{144} + X_7_{147} + X_7_{156} + X_7_{164} + X_7_{174} + X_7_{181} + X_7_{185}$   
 $+ X_7_{200} +$   
 $X_7_{205} + X_7_{212} + X_7_{217} + X_7_{228} + X_7_{239} \geq 1;$   
 [\_1132]  $X_7_6 + X_7_{15} + X_7_{23} + X_7_{25} + X_7_{38} + X_7_{48} + X_7_{56} +$   
 $X_7_{62} +$   
 $X_7_{70} + X_7_{78} + X_7_{88} + X_7_{89} + X_7_{100} + X_7_{110} + X_7_{118} +$   
 $X_7_{126} +$   
 $X_7_{135} + X_7_{143} + X_7_{145} + X_7_{158} + X_7_{168} + X_7_{176} + X_7_{182} +$   
 $X_7_{190} +$   
 $X_7_{198} + X_7_{208} + X_7_{209} + X_7_{220} + X_7_{230} + X_7_{238} \geq 1;$   
 [\_1133]  $X_7_8 + X_7_{12} + X_7_{18} + X_7_{27} + X_7_{33} + X_7_{45} + X_7_{50} +$   
 $X_7_{58} +$   
 $X_7_{69} + X_7_{77} + X_7_{82} + X_7_{93} + X_7_{100} + X_7_{112} + X_7_{115} +$   
 $X_7_{128} +$   
 $X_7_{132} + X_7_{138} + X_7_{147} + X_7_{153} + X_7_{165} + X_7_{170} + X_7_{178} +$   
 $X_7_{189} +$   
 $X_7_{197} + X_7_{202} + X_7_{213} + X_7_{220} + X_7_{232} + X_7_{235} \geq 1;$   
 [\_1134]  $X_7_7 + X_7_{16} + X_7_{24} + X_7_{32} + X_7_{40} + X_7_{41} + X_7_{55} +$   
 $X_7_{64} +$   
 $X_7_{71} + X_7_{79} + X_7_{81} + X_7_{89} + X_7_{99} + X_7_{112} + X_7_{120} +$   
 $X_7_{127} + X_7_{136}$   
 $+ X_7_{144} + X_7_{152} + X_7_{160} + X_7_{161} + X_7_{175} + X_7_{184} + X_7_{191}$   
 $+ X_7_{199} +$   
 $X_7_{201} + X_7_{209} + X_7_{219} + X_7_{232} + X_7_{240} \geq 1;$   
 [\_1135]  $X_7_3 + X_7_{13} + X_7_{17} + X_7_{29} + X_7_{39} + X_7_{46} + X_7_{53} +$   
 $X_7_{62} +$   
 $X_7_{71} + X_7_{73} + X_7_{82} + X_7_{92} + X_7_{101} + X_7_{105} + X_7_{113} +$   
 $X_7_{123} +$   
 $X_7_{133} + X_7_{137} + X_7_{149} + X_7_{159} + X_7_{166} + X_7_{173} + X_7_{182} +$   
 $X_7_{191} +$   
 $X_7_{193} + X_7_{202} + X_7_{212} + X_7_{221} + X_7_{225} + X_7_{233} \geq 1;$   
 [\_1136]  $X_8_3 + X_8_{10} + X_8_{19} + X_8_{31} + X_8_{38} + X_8_{41} + X_8_{50} +$   
 $X_8_{59} +$

$X_{8\_66} + X_{8\_75} + X_{8\_85} + X_{8\_94} + X_{8\_104} + X_{8\_106} + X_{8\_116} +$   
 $X_{8\_123} +$   
 $X_{8\_130} + X_{8\_139} + X_{8\_151} + X_{8\_158} + X_{8\_161} + X_{8\_170} + X_{8\_179} +$   
 $X_{8\_186} +$   
 $X_{8\_195} + X_{8\_205} + X_{8\_214} + X_{8\_224} + X_{8\_226} + X_{8\_236} \geq 1;$   
 $[_{1137}] X_{8\_7} + X_{8\_12} + X_{8\_20} + X_{8\_29} + X_{8\_37} + X_{8\_44} + X_{8\_51} +$   
 $X_{8\_57} +$   
 $X_{8\_66} + X_{8\_74} + X_{8\_83} + X_{8\_90} + X_{8\_98} + X_{8\_111} + X_{8\_118} +$   
 $X_{8\_127} + X_{8\_132}$   
 $+ X_{8\_140} + X_{8\_149} + X_{8\_157} + X_{8\_164} + X_{8\_171} + X_{8\_177} + X_{8\_186}$   
 $+ X_{8\_194} +$   
 $X_{8\_203} + X_{8\_210} + X_{8\_218} + X_{8\_231} + X_{8\_238} \geq 1;$   
 $[_{1138}] X_{8\_4} + X_{8\_9} + X_{8\_23} + X_{8\_32} + X_{8\_33} + X_{8\_43} + X_{8\_51} +$   
 $X_{8\_60} +$   
 $X_{8\_65} + X_{8\_76} + X_{8\_87} + X_{8\_94} + X_{8\_103} + X_{8\_105} + X_{8\_114} +$   
 $X_{8\_124} +$   
 $X_{8\_129} + X_{8\_143} + X_{8\_152} + X_{8\_153} + X_{8\_163} + X_{8\_171} + X_{8\_180} +$   
 $X_{8\_185} +$   
 $X_{8\_196} + X_{8\_207} + X_{8\_214} + X_{8\_223} + X_{8\_225} + X_{8\_234} \geq 1;$   
 $[_{1139}] X_{8\_2} + X_{8\_11} + X_{8\_17} + X_{8\_28} + X_{8\_34} + X_{8\_47} + X_{8\_56} +$   
 $X_{8\_64} +$   
 $X_{8\_69} + X_{8\_76} + X_{8\_83} + X_{8\_91} + X_{8\_97} + X_{8\_107} + X_{8\_116} +$   
 $X_{8\_122} + X_{8\_131}$   
 $+ X_{8\_137} + X_{8\_148} + X_{8\_154} + X_{8\_167} + X_{8\_176} + X_{8\_184} + X_{8\_189}$   
 $+ X_{8\_196} +$   
 $X_{8\_203} + X_{8\_211} + X_{8\_217} + X_{8\_227} + X_{8\_236} \geq 1;$   
 $[_{1140}] X_{8\_8} + X_{8\_11} + X_{8\_20} + X_{8\_26} + X_{8\_36} + X_{8\_43} + X_{8\_52} +$   
 $X_{8\_59} +$   
 $X_{8\_72} + X_{8\_73} + X_{8\_86} + X_{8\_95} + X_{8\_102} + X_{8\_110} + X_{8\_120} +$   
 $X_{8\_128} +$   
 $X_{8\_131} + X_{8\_140} + X_{8\_146} + X_{8\_156} + X_{8\_163} + X_{8\_172} + X_{8\_179} +$   
 $X_{8\_192} +$   
 $X_{8\_193} + X_{8\_206} + X_{8\_215} + X_{8\_222} + X_{8\_230} + X_{8\_240} \geq 1;$   
 $[_{1141}] X_{8\_5} + X_{8\_14} + X_{8\_21} + X_{8\_25} + X_{8\_40} + X_{8\_45} + X_{8\_52} +$   
 $X_{8\_57} +$   
 $X_{8\_68} + X_{8\_80} + X_{8\_87} + X_{8\_96} + X_{8\_104} + X_{8\_107} + X_{8\_113} +$   
 $X_{8\_125} +$   
 $X_{8\_134} + X_{8\_141} + X_{8\_145} + X_{8\_160} + X_{8\_165} + X_{8\_172} + X_{8\_177} +$   
 $X_{8\_188} +$   
 $X_{8\_200} + X_{8\_207} + X_{8\_216} + X_{8\_224} + X_{8\_227} + X_{8\_233} \geq 1;$   
 $[_{1142}] X_{8\_2} + X_{8\_13} + X_{8\_22} + X_{8\_30} + X_{8\_35} + X_{8\_48} + X_{8\_55} +$   
 $X_{8\_61} +$   
 $X_{8\_72} + X_{8\_74} + X_{8\_84} + X_{8\_96} + X_{8\_103} + X_{8\_106} + X_{8\_115} +$   
 $X_{8\_122} +$   
 $X_{8\_133} + X_{8\_142} + X_{8\_150} + X_{8\_155} + X_{8\_168} + X_{8\_175} + X_{8\_181} +$   
 $X_{8\_192} +$   
 $X_{8\_194} + X_{8\_204} + X_{8\_216} + X_{8\_223} + X_{8\_226} + X_{8\_235} \geq 1;$   
 $[_{1143}] X_{8\_4} + X_{8\_14} + X_{8\_19} + X_{8\_30} + X_{8\_34} + X_{8\_46} + X_{8\_49} +$   
 $X_{8\_58} +$   
 $X_{8\_67} + X_{8\_78} + X_{8\_81} + X_{8\_95} + X_{8\_98} + X_{8\_109} + X_{8\_119} +$   
 $X_{8\_124} + X_{8\_134}$   
 $+ X_{8\_139} + X_{8\_150} + X_{8\_154} + X_{8\_166} + X_{8\_169} + X_{8\_178} + X_{8\_187}$   
 $+ X_{8\_198} +$   
 $X_{8\_201} + X_{8\_215} + X_{8\_218} + X_{8\_229} + X_{8\_239} \geq 1;$   
 $[_{1144}] X_{8\_5} + X_{8\_10} + X_{8\_22} + X_{8\_28} + X_{8\_39} + X_{8\_42} + X_{8\_49} +$   
 $X_{8\_63} +$



$X_8_{70} + X_8_{77} + X_8_{86} + X_8_{90} + X_8_{99} + X_8_{108} + X_8_{114} +$   
 $X_8_{125} + X_8_{130}$   
 $+ X_8_{142} + X_8_{148} + X_8_{159} + X_8_{162} + X_8_{169} + X_8_{183} + X_8_{190}$   
 $+ X_8_{197} +$   
 $X_8_{206} + X_8_{210} + X_8_{219} + X_8_{228} + X_8_{234} \geq 1;$   
 [\_1145]  $X_8_1 + X_8_9 + X_8_{21} + X_8_{31} + X_8_{35} + X_8_{47} + X_8_{53} +$   
 $X_8_{63} +$   
 $X_8_{67} + X_8_{79} + X_8_{88} + X_8_{93} + X_8_{102} + X_8_{111} + X_8_{117} +$   
 $X_8_{121} +$   
 $X_8_{129} + X_8_{141} + X_8_{151} + X_8_{155} + X_8_{167} + X_8_{173} + X_8_{183} +$   
 $X_8_{187} +$   
 $X_8_{199} + X_8_{208} + X_8_{213} + X_8_{222} + X_8_{231} + X_8_{237} \geq 1;$   
 [\_1146]  $X_8_6 + X_8_{16} + X_8_{18} + X_8_{26} + X_8_{37} + X_8_{42} + X_8_{54} +$   
 $X_8_{60} +$   
 $X_8_{68} + X_8_{75} + X_8_{84} + X_8_{91} + X_8_{101} + X_8_{109} + X_8_{117} +$   
 $X_8_{126} +$   
 $X_8_{136} + X_8_{138} + X_8_{146} + X_8_{157} + X_8_{162} + X_8_{174} + X_8_{180} +$   
 $X_8_{188} +$   
 $X_8_{195} + X_8_{204} + X_8_{211} + X_8_{221} + X_8_{229} + X_8_{237} \geq 1;$   
 [\_1147]  $X_8_1 + X_8_{15} + X_8_{24} + X_8_{27} + X_8_{36} + X_8_{44} + X_8_{54} +$   
 $X_8_{61} +$   
 $X_8_{65} + X_8_{80} + X_8_{85} + X_8_{92} + X_8_{97} + X_8_{108} + X_8_{119} +$   
 $X_8_{121} + X_8_{135}$   
 $+ X_8_{144} + X_8_{147} + X_8_{156} + X_8_{164} + X_8_{174} + X_8_{181} + X_8_{185}$   
 $+ X_8_{200} +$   
 $X_8_{205} + X_8_{212} + X_8_{217} + X_8_{228} + X_8_{239} \geq 1;$   
 [\_1148]  $X_8_6 + X_8_{15} + X_8_{23} + X_8_{25} + X_8_{38} + X_8_{48} + X_8_{56} +$   
 $X_8_{62} +$   
 $X_8_{70} + X_8_{78} + X_8_{88} + X_8_{89} + X_8_{100} + X_8_{110} + X_8_{118} +$   
 $X_8_{126} +$   
 $X_8_{135} + X_8_{143} + X_8_{145} + X_8_{158} + X_8_{168} + X_8_{176} + X_8_{182} +$   
 $X_8_{190} +$   
 $X_8_{198} + X_8_{208} + X_8_{209} + X_8_{220} + X_8_{230} + X_8_{238} \geq 1;$   
 [\_1149]  $X_8_8 + X_8_{12} + X_8_{18} + X_8_{27} + X_8_{33} + X_8_{45} + X_8_{50} +$   
 $X_8_{58} +$   
 $X_8_{69} + X_8_{77} + X_8_{82} + X_8_{93} + X_8_{100} + X_8_{112} + X_8_{115} +$   
 $X_8_{128} +$   
 $X_8_{132} + X_8_{138} + X_8_{147} + X_8_{153} + X_8_{165} + X_8_{170} + X_8_{178} +$   
 $X_8_{189} +$   
 $X_8_{197} + X_8_{202} + X_8_{213} + X_8_{220} + X_8_{232} + X_8_{235} \geq 1;$   
 [\_1150]  $X_8_7 + X_8_{16} + X_8_{24} + X_8_{32} + X_8_{40} + X_8_{41} + X_8_{55} +$   
 $X_8_{64} +$   
 $X_8_{71} + X_8_{79} + X_8_{81} + X_8_{89} + X_8_{99} + X_8_{112} + X_8_{120} +$   
 $X_8_{127} + X_8_{136}$   
 $+ X_8_{144} + X_8_{152} + X_8_{160} + X_8_{161} + X_8_{175} + X_8_{184} + X_8_{191}$   
 $+ X_8_{199} +$   
 $X_8_{201} + X_8_{209} + X_8_{219} + X_8_{232} + X_8_{240} \geq 1;$   
 [\_1151]  $X_8_3 + X_8_{13} + X_8_{17} + X_8_{29} + X_8_{39} + X_8_{46} + X_8_{53} +$   
 $X_8_{62} +$   
 $X_8_{71} + X_8_{73} + X_8_{82} + X_8_{92} + X_8_{101} + X_8_{105} + X_8_{113} +$   
 $X_8_{123} +$   
 $X_8_{133} + X_8_{137} + X_8_{149} + X_8_{159} + X_8_{166} + X_8_{173} + X_8_{182} +$   
 $X_8_{191} +$   
 $X_8_{193} + X_8_{202} + X_8_{212} + X_8_{221} + X_8_{225} + X_8_{233} \geq 1;$   
 [\_1152]  $X_9_3 + X_9_{10} + X_9_{19} + X_9_{31} + X_9_{38} + X_9_{41} + X_9_{50} +$   
 $X_9_{59} +$

$X_9_{66} + X_9_{75} + X_9_{85} + X_9_{94} + X_9_{104} + X_9_{106} + X_9_{116} +$   
 $X_9_{123} +$   
 $X_9_{130} + X_9_{139} + X_9_{151} + X_9_{158} + X_9_{161} + X_9_{170} + X_9_{179} +$   
 $X_9_{186} +$   
 $X_9_{195} + X_9_{205} + X_9_{214} + X_9_{224} + X_9_{226} + X_9_{236} \geq 1;$   
 [\_1153]  $X_9_7 + X_9_{12} + X_9_{20} + X_9_{29} + X_9_{37} + X_9_{44} + X_9_{51} +$   
 $X_9_{57} +$   
 $X_9_{66} + X_9_{74} + X_9_{83} + X_9_{90} + X_9_{98} + X_9_{111} + X_9_{118} +$   
 $X_9_{127} + X_9_{132}$   
 $+ X_9_{140} + X_9_{149} + X_9_{157} + X_9_{164} + X_9_{171} + X_9_{177} + X_9_{186}$   
 $+ X_9_{194} +$   
 $X_9_{203} + X_9_{210} + X_9_{218} + X_9_{231} + X_9_{238} \geq 1;$   
 [\_1154]  $X_9_4 + X_9_9 + X_9_{23} + X_9_{32} + X_9_{33} + X_9_{43} + X_9_{51} +$   
 $X_9_{60} +$   
 $X_9_{65} + X_9_{76} + X_9_{87} + X_9_{94} + X_9_{103} + X_9_{105} + X_9_{114} +$   
 $X_9_{124} +$   
 $X_9_{129} + X_9_{143} + X_9_{152} + X_9_{153} + X_9_{163} + X_9_{171} + X_9_{180} +$   
 $X_9_{185} +$   
 $X_9_{196} + X_9_{207} + X_9_{214} + X_9_{223} + X_9_{225} + X_9_{234} \geq 1;$   
 [\_1155]  $X_9_2 + X_9_{11} + X_9_{17} + X_9_{28} + X_9_{34} + X_9_{47} + X_9_{56} +$   
 $X_9_{64} +$   
 $X_9_{69} + X_9_{76} + X_9_{83} + X_9_{91} + X_9_{97} + X_9_{107} + X_9_{116} +$   
 $X_9_{122} + X_9_{131}$   
 $+ X_9_{137} + X_9_{148} + X_9_{154} + X_9_{167} + X_9_{176} + X_9_{184} + X_9_{189}$   
 $+ X_9_{196} +$   
 $X_9_{203} + X_9_{211} + X_9_{217} + X_9_{227} + X_9_{236} \geq 1;$   
 [\_1156]  $X_9_8 + X_9_{11} + X_9_{20} + X_9_{26} + X_9_{36} + X_9_{43} + X_9_{52} +$   
 $X_9_{59} +$   
 $X_9_{72} + X_9_{73} + X_9_{86} + X_9_{95} + X_9_{102} + X_9_{110} + X_9_{120} +$   
 $X_9_{128} +$   
 $X_9_{131} + X_9_{140} + X_9_{146} + X_9_{156} + X_9_{163} + X_9_{172} + X_9_{179} +$   
 $X_9_{192} +$   
 $X_9_{193} + X_9_{206} + X_9_{215} + X_9_{222} + X_9_{230} + X_9_{240} \geq 1;$   
 [\_1157]  $X_9_5 + X_9_{14} + X_9_{21} + X_9_{25} + X_9_{40} + X_9_{45} + X_9_{52} +$   
 $X_9_{57} +$   
 $X_9_{68} + X_9_{80} + X_9_{87} + X_9_{96} + X_9_{104} + X_9_{107} + X_9_{113} +$   
 $X_9_{125} +$   
 $X_9_{134} + X_9_{141} + X_9_{145} + X_9_{160} + X_9_{165} + X_9_{172} + X_9_{177} +$   
 $X_9_{188} +$   
 $X_9_{200} + X_9_{207} + X_9_{216} + X_9_{224} + X_9_{227} + X_9_{233} \geq 1;$   
 [\_1158]  $X_9_2 + X_9_{13} + X_9_{22} + X_9_{30} + X_9_{35} + X_9_{48} + X_9_{55} +$   
 $X_9_{61} +$   
 $X_9_{72} + X_9_{74} + X_9_{84} + X_9_{96} + X_9_{103} + X_9_{106} + X_9_{115} +$   
 $X_9_{122} +$   
 $X_9_{133} + X_9_{142} + X_9_{150} + X_9_{155} + X_9_{168} + X_9_{175} + X_9_{181} +$   
 $X_9_{192} +$   
 $X_9_{194} + X_9_{204} + X_9_{216} + X_9_{223} + X_9_{226} + X_9_{235} \geq 1;$   
 [\_1159]  $X_9_4 + X_9_{14} + X_9_{19} + X_9_{30} + X_9_{34} + X_9_{46} + X_9_{49} +$   
 $X_9_{58} +$   
 $X_9_{67} + X_9_{78} + X_9_{81} + X_9_{95} + X_9_{98} + X_9_{109} + X_9_{119} +$   
 $X_9_{124} + X_9_{134}$   
 $+ X_9_{139} + X_9_{150} + X_9_{154} + X_9_{166} + X_9_{169} + X_9_{178} + X_9_{187}$   
 $+ X_9_{198} +$   
 $X_9_{201} + X_9_{215} + X_9_{218} + X_9_{229} + X_9_{239} \geq 1;$   
 [\_1160]  $X_9_5 + X_9_{10} + X_9_{22} + X_9_{28} + X_9_{39} + X_9_{42} + X_9_{49} +$   
 $X_9_{63} +$

$X_9_{70} + X_9_{77} + X_9_{86} + X_9_{90} + X_9_{99} + X_9_{108} + X_9_{114} +$   
 $X_9_{125} + X_9_{130}$   
 $+ X_9_{142} + X_9_{148} + X_9_{159} + X_9_{162} + X_9_{169} + X_9_{183} + X_9_{190}$   
 $+ X_9_{197} +$   
 $X_9_{206} + X_9_{210} + X_9_{219} + X_9_{228} + X_9_{234} \geq 1;$   
 $[_{1161}] X_9_1 + X_9_9 + X_9_{21} + X_9_{31} + X_9_{35} + X_9_{47} + X_9_{53} +$   
 $X_9_{63} +$   
 $X_9_{67} + X_9_{79} + X_9_{88} + X_9_{93} + X_9_{102} + X_9_{111} + X_9_{117} +$   
 $X_9_{121} +$   
 $X_9_{129} + X_9_{141} + X_9_{151} + X_9_{155} + X_9_{167} + X_9_{173} + X_9_{183} +$   
 $X_9_{187} +$   
 $X_9_{199} + X_9_{208} + X_9_{213} + X_9_{222} + X_9_{231} + X_9_{237} \geq 1;$   
 $[_{1162}] X_9_6 + X_9_{16} + X_9_{18} + X_9_{26} + X_9_{37} + X_9_{42} + X_9_{54} +$   
 $X_9_{60} +$   
 $X_9_{68} + X_9_{75} + X_9_{84} + X_9_{91} + X_9_{101} + X_9_{109} + X_9_{117} +$   
 $X_9_{126} +$   
 $X_9_{136} + X_9_{138} + X_9_{146} + X_9_{157} + X_9_{162} + X_9_{174} + X_9_{180} +$   
 $X_9_{188} +$   
 $X_9_{195} + X_9_{204} + X_9_{211} + X_9_{221} + X_9_{229} + X_9_{237} \geq 1;$   
 $[_{1163}] X_9_1 + X_9_{15} + X_9_{24} + X_9_{27} + X_9_{36} + X_9_{44} + X_9_{54} +$   
 $X_9_{61} +$   
 $X_9_{65} + X_9_{80} + X_9_{85} + X_9_{92} + X_9_{97} + X_9_{108} + X_9_{119} +$   
 $X_9_{121} + X_9_{135}$   
 $+ X_9_{144} + X_9_{147} + X_9_{156} + X_9_{164} + X_9_{174} + X_9_{181} + X_9_{185}$   
 $+ X_9_{200} +$   
 $X_9_{205} + X_9_{212} + X_9_{217} + X_9_{228} + X_9_{239} \geq 1;$   
 $[_{1164}] X_9_6 + X_9_{15} + X_9_{23} + X_9_{25} + X_9_{38} + X_9_{48} + X_9_{56} +$   
 $X_9_{62} +$   
 $X_9_{70} + X_9_{78} + X_9_{88} + X_9_{89} + X_9_{100} + X_9_{110} + X_9_{118} +$   
 $X_9_{126} +$   
 $X_9_{135} + X_9_{143} + X_9_{145} + X_9_{158} + X_9_{168} + X_9_{176} + X_9_{182} +$   
 $X_9_{190} +$   
 $X_9_{198} + X_9_{208} + X_9_{209} + X_9_{220} + X_9_{230} + X_9_{238} \geq 1;$   
 $[_{1165}] X_9_8 + X_9_{12} + X_9_{18} + X_9_{27} + X_9_{33} + X_9_{45} + X_9_{50} +$   
 $X_9_{58} +$   
 $X_9_{69} + X_9_{77} + X_9_{82} + X_9_{93} + X_9_{100} + X_9_{112} + X_9_{115} +$   
 $X_9_{128} +$   
 $X_9_{132} + X_9_{138} + X_9_{147} + X_9_{153} + X_9_{165} + X_9_{170} + X_9_{178} +$   
 $X_9_{189} +$   
 $X_9_{197} + X_9_{202} + X_9_{213} + X_9_{220} + X_9_{232} + X_9_{235} \geq 1;$   
 $[_{1166}] X_9_7 + X_9_{16} + X_9_{24} + X_9_{32} + X_9_{40} + X_9_{41} + X_9_{55} +$   
 $X_9_{64} +$   
 $X_9_{71} + X_9_{79} + X_9_{81} + X_9_{89} + X_9_{99} + X_9_{112} + X_9_{120} +$   
 $X_9_{127} + X_9_{136}$   
 $+ X_9_{144} + X_9_{152} + X_9_{160} + X_9_{161} + X_9_{175} + X_9_{184} + X_9_{191}$   
 $+ X_9_{199} +$   
 $X_9_{201} + X_9_{209} + X_9_{219} + X_9_{232} + X_9_{240} \geq 1;$   
 $[_{1167}] X_9_3 + X_9_{13} + X_9_{17} + X_9_{29} + X_9_{39} + X_9_{46} + X_9_{53} +$   
 $X_9_{62} +$   
 $X_9_{71} + X_9_{73} + X_9_{82} + X_9_{92} + X_9_{101} + X_9_{105} + X_9_{113} +$   
 $X_9_{123} +$   
 $X_9_{133} + X_9_{137} + X_9_{149} + X_9_{159} + X_9_{166} + X_9_{173} + X_9_{182} +$   
 $X_9_{191} +$   
 $X_9_{193} + X_9_{202} + X_9_{212} + X_9_{221} + X_9_{225} + X_9_{233} \geq 1;$   
 $[_{1168}] X_{10_3} + X_{10_{10}} + X_{10_{19}} + X_{10_{31}} + X_{10_{38}} + X_{10_{41}} +$   
 $X_{10_{50}} +$

$X_{10\_59} + X_{10\_66} + X_{10\_75} + X_{10\_85} + X_{10\_94} + X_{10\_104} + X_{10\_106}$   
 $+ X_{10\_116} +$   
 $X_{10\_123} + X_{10\_130} + X_{10\_139} + X_{10\_151} + X_{10\_158} + X_{10\_161} +$   
 $X_{10\_170} +$   
 $X_{10\_179} + X_{10\_186} + X_{10\_195} + X_{10\_205} + X_{10\_214} + X_{10\_224} +$   
 $X_{10\_226} +$   
 $X_{10\_236} \geq 1;$   
 [\_1169]  $X_{10\_7} + X_{10\_12} + X_{10\_20} + X_{10\_29} + X_{10\_37} + X_{10\_44} +$   
 $X_{10\_51} +$   
 $X_{10\_57} + X_{10\_66} + X_{10\_74} + X_{10\_83} + X_{10\_90} + X_{10\_98} + X_{10\_111}$   
 $+ X_{10\_118} +$   
 $X_{10\_127} + X_{10\_132} + X_{10\_140} + X_{10\_149} + X_{10\_157} + X_{10\_164} +$   
 $X_{10\_171} +$   
 $X_{10\_177} + X_{10\_186} + X_{10\_194} + X_{10\_203} + X_{10\_210} + X_{10\_218} +$   
 $X_{10\_231} +$   
 $X_{10\_238} \geq 1;$   
 [\_1170]  $X_{10\_4} + X_{10\_9} + X_{10\_23} + X_{10\_32} + X_{10\_33} + X_{10\_43} +$   
 $X_{10\_51} + X_{10\_60}$   
 $+ X_{10\_65} + X_{10\_76} + X_{10\_87} + X_{10\_94} + X_{10\_103} + X_{10\_105} +$   
 $X_{10\_114} +$   
 $X_{10\_124} + X_{10\_129} + X_{10\_143} + X_{10\_152} + X_{10\_153} + X_{10\_163} +$   
 $X_{10\_171} +$   
 $X_{10\_180} + X_{10\_185} + X_{10\_196} + X_{10\_207} + X_{10\_214} + X_{10\_223} +$   
 $X_{10\_225} +$   
 $X_{10\_234} \geq 1;$   
 [\_1171]  $X_{10\_2} + X_{10\_11} + X_{10\_17} + X_{10\_28} + X_{10\_34} + X_{10\_47} +$   
 $X_{10\_56} +$   
 $X_{10\_64} + X_{10\_69} + X_{10\_76} + X_{10\_83} + X_{10\_91} + X_{10\_97} + X_{10\_107}$   
 $+ X_{10\_116} +$   
 $X_{10\_122} + X_{10\_131} + X_{10\_137} + X_{10\_148} + X_{10\_154} + X_{10\_167} +$   
 $X_{10\_176} +$   
 $X_{10\_184} + X_{10\_189} + X_{10\_196} + X_{10\_203} + X_{10\_211} + X_{10\_217} +$   
 $X_{10\_227} +$   
 $X_{10\_236} \geq 1;$   
 [\_1172]  $X_{10\_8} + X_{10\_11} + X_{10\_20} + X_{10\_26} + X_{10\_36} + X_{10\_43} +$   
 $X_{10\_52} +$   
 $X_{10\_59} + X_{10\_72} + X_{10\_73} + X_{10\_86} + X_{10\_95} + X_{10\_102} + X_{10\_110}$   
 $+ X_{10\_120} +$   
 $X_{10\_128} + X_{10\_131} + X_{10\_140} + X_{10\_146} + X_{10\_156} + X_{10\_163} +$   
 $X_{10\_172} +$   
 $X_{10\_179} + X_{10\_192} + X_{10\_193} + X_{10\_206} + X_{10\_215} + X_{10\_222} +$   
 $X_{10\_230} +$   
 $X_{10\_240} \geq 1;$   
 [\_1173]  $X_{10\_5} + X_{10\_14} + X_{10\_21} + X_{10\_25} + X_{10\_40} + X_{10\_45} +$   
 $X_{10\_52} +$   
 $X_{10\_57} + X_{10\_68} + X_{10\_80} + X_{10\_87} + X_{10\_96} + X_{10\_104} + X_{10\_107}$   
 $+ X_{10\_113} +$   
 $X_{10\_125} + X_{10\_134} + X_{10\_141} + X_{10\_145} + X_{10\_160} + X_{10\_165} +$   
 $X_{10\_172} +$   
 $X_{10\_177} + X_{10\_188} + X_{10\_200} + X_{10\_207} + X_{10\_216} + X_{10\_224} +$   
 $X_{10\_227} +$   
 $X_{10\_233} \geq 1;$   
 [\_1174]  $X_{10\_2} + X_{10\_13} + X_{10\_22} + X_{10\_30} + X_{10\_35} + X_{10\_48} +$   
 $X_{10\_55} +$   
 $X_{10\_61} + X_{10\_72} + X_{10\_74} + X_{10\_84} + X_{10\_96} + X_{10\_103} + X_{10\_106}$   
 $+ X_{10\_115} +$

$X_{10\_122} + X_{10\_133} + X_{10\_142} + X_{10\_150} + X_{10\_155} + X_{10\_168} + X_{10\_175} +$   
 $X_{10\_181} + X_{10\_192} + X_{10\_194} + X_{10\_204} + X_{10\_216} + X_{10\_223} + X_{10\_226} +$   
 $X_{10\_235} \geq 1;$   
 [\_1175]  $X_{10\_4} + X_{10\_14} + X_{10\_19} + X_{10\_30} + X_{10\_34} + X_{10\_46} + X_{10\_49} +$   
 $X_{10\_58} + X_{10\_67} + X_{10\_78} + X_{10\_81} + X_{10\_95} + X_{10\_98} + X_{10\_109} + X_{10\_119} +$   
 $X_{10\_124} + X_{10\_134} + X_{10\_139} + X_{10\_150} + X_{10\_154} + X_{10\_166} + X_{10\_169} +$   
 $X_{10\_178} + X_{10\_187} + X_{10\_198} + X_{10\_201} + X_{10\_215} + X_{10\_218} + X_{10\_229} +$   
 $X_{10\_239} \geq 1;$   
 [\_1176]  $X_{10\_5} + X_{10\_10} + X_{10\_22} + X_{10\_28} + X_{10\_39} + X_{10\_42} + X_{10\_49} +$   
 $X_{10\_63} + X_{10\_70} + X_{10\_77} + X_{10\_86} + X_{10\_90} + X_{10\_99} + X_{10\_108} + X_{10\_114} +$   
 $X_{10\_125} + X_{10\_130} + X_{10\_142} + X_{10\_148} + X_{10\_159} + X_{10\_162} + X_{10\_169} +$   
 $X_{10\_183} + X_{10\_190} + X_{10\_197} + X_{10\_206} + X_{10\_210} + X_{10\_219} + X_{10\_228} +$   
 $X_{10\_234} \geq 1;$   
 [\_1177]  $X_{10\_1} + X_{10\_9} + X_{10\_21} + X_{10\_31} + X_{10\_35} + X_{10\_47} + X_{10\_53} + X_{10\_63} +$   
 $X_{10\_67} + X_{10\_79} + X_{10\_88} + X_{10\_93} + X_{10\_102} + X_{10\_111} + X_{10\_117} +$   
 $X_{10\_121} + X_{10\_129} + X_{10\_141} + X_{10\_151} + X_{10\_155} + X_{10\_167} + X_{10\_173} +$   
 $X_{10\_183} + X_{10\_187} + X_{10\_199} + X_{10\_208} + X_{10\_213} + X_{10\_222} + X_{10\_231} +$   
 $X_{10\_237} \geq 1;$   
 [\_1178]  $X_{10\_6} + X_{10\_16} + X_{10\_18} + X_{10\_26} + X_{10\_37} + X_{10\_42} + X_{10\_54} +$   
 $X_{10\_60} + X_{10\_68} + X_{10\_75} + X_{10\_84} + X_{10\_91} + X_{10\_101} + X_{10\_109} + X_{10\_117} +$   
 $X_{10\_126} + X_{10\_136} + X_{10\_138} + X_{10\_146} + X_{10\_157} + X_{10\_162} + X_{10\_174} +$   
 $X_{10\_180} + X_{10\_188} + X_{10\_195} + X_{10\_204} + X_{10\_211} + X_{10\_221} + X_{10\_229} +$   
 $X_{10\_237} \geq 1;$   
 [\_1179]  $X_{10\_1} + X_{10\_15} + X_{10\_24} + X_{10\_27} + X_{10\_36} + X_{10\_44} + X_{10\_54} +$   
 $X_{10\_61} + X_{10\_65} + X_{10\_80} + X_{10\_85} + X_{10\_92} + X_{10\_97} + X_{10\_108} + X_{10\_119} +$   
 $X_{10\_121} + X_{10\_135} + X_{10\_144} + X_{10\_147} + X_{10\_156} + X_{10\_164} + X_{10\_174} +$   
 $X_{10\_181} + X_{10\_185} + X_{10\_200} + X_{10\_205} + X_{10\_212} + X_{10\_217} + X_{10\_228} +$   
 $X_{10\_239} \geq 1;$   
 [\_1180]  $X_{10\_6} + X_{10\_15} + X_{10\_23} + X_{10\_25} + X_{10\_38} + X_{10\_48} + X_{10\_56} +$   
 $X_{10\_62} + X_{10\_70} + X_{10\_78} + X_{10\_88} + X_{10\_89} + X_{10\_100} + X_{10\_110} + X_{10\_118} +$   
 $X_{10\_126} + X_{10\_135} + X_{10\_143} + X_{10\_145} + X_{10\_158} + X_{10\_168} + X_{10\_176} +$

$X_{10\_182} + X_{10\_190} + X_{10\_198} + X_{10\_208} + X_{10\_209} + X_{10\_220} + X_{10\_230} + X_{10\_238} \geq 1;$   
 [\_1181]  $X_{10\_8} + X_{10\_12} + X_{10\_18} + X_{10\_27} + X_{10\_33} + X_{10\_45} + X_{10\_50} + X_{10\_58} + X_{10\_69} + X_{10\_77} + X_{10\_82} + X_{10\_93} + X_{10\_100} + X_{10\_112} + X_{10\_115} + X_{10\_128} + X_{10\_132} + X_{10\_138} + X_{10\_147} + X_{10\_153} + X_{10\_165} + X_{10\_170} + X_{10\_178} + X_{10\_189} + X_{10\_197} + X_{10\_202} + X_{10\_213} + X_{10\_220} + X_{10\_232} + X_{10\_235} \geq 1;$   
 [\_1182]  $X_{10\_7} + X_{10\_16} + X_{10\_24} + X_{10\_32} + X_{10\_40} + X_{10\_41} + X_{10\_55} + X_{10\_64} + X_{10\_71} + X_{10\_79} + X_{10\_81} + X_{10\_89} + X_{10\_99} + X_{10\_112} + X_{10\_120} + X_{10\_127} + X_{10\_136} + X_{10\_144} + X_{10\_152} + X_{10\_160} + X_{10\_161} + X_{10\_175} + X_{10\_184} + X_{10\_191} + X_{10\_199} + X_{10\_201} + X_{10\_209} + X_{10\_219} + X_{10\_232} + X_{10\_240} \geq 1;$   
 [\_1183]  $X_{10\_3} + X_{10\_13} + X_{10\_17} + X_{10\_29} + X_{10\_39} + X_{10\_46} + X_{10\_53} + X_{10\_62} + X_{10\_71} + X_{10\_73} + X_{10\_82} + X_{10\_92} + X_{10\_101} + X_{10\_105} + X_{10\_113} + X_{10\_123} + X_{10\_133} + X_{10\_137} + X_{10\_149} + X_{10\_159} + X_{10\_166} + X_{10\_173} + X_{10\_182} + X_{10\_191} + X_{10\_193} + X_{10\_202} + X_{10\_212} + X_{10\_221} + X_{10\_225} + X_{10\_233} \geq 1;$   
 [\_1184]  $X_{11\_3} + X_{11\_10} + X_{11\_19} + X_{11\_31} + X_{11\_38} + X_{11\_41} + X_{11\_50} + X_{11\_59} + X_{11\_66} + X_{11\_75} + X_{11\_85} + X_{11\_94} + X_{11\_104} + X_{11\_106} + X_{11\_116} + X_{11\_123} + X_{11\_130} + X_{11\_139} + X_{11\_151} + X_{11\_158} + X_{11\_161} + X_{11\_170} + X_{11\_179} + X_{11\_186} + X_{11\_195} + X_{11\_205} + X_{11\_214} + X_{11\_224} + X_{11\_226} + X_{11\_236} \geq 1;$   
 [\_1185]  $X_{11\_7} + X_{11\_12} + X_{11\_20} + X_{11\_29} + X_{11\_37} + X_{11\_44} + X_{11\_51} + X_{11\_57} + X_{11\_66} + X_{11\_74} + X_{11\_83} + X_{11\_90} + X_{11\_98} + X_{11\_111} + X_{11\_118} + X_{11\_127} + X_{11\_132} + X_{11\_140} + X_{11\_149} + X_{11\_157} + X_{11\_164} + X_{11\_171} + X_{11\_177} + X_{11\_186} + X_{11\_194} + X_{11\_203} + X_{11\_210} + X_{11\_218} + X_{11\_231} + X_{11\_238} \geq 1;$   
 [\_1186]  $X_{11\_4} + X_{11\_9} + X_{11\_23} + X_{11\_32} + X_{11\_33} + X_{11\_43} + X_{11\_51} + X_{11\_60} + X_{11\_65} + X_{11\_76} + X_{11\_87} + X_{11\_94} + X_{11\_103} + X_{11\_105} + X_{11\_114} + X_{11\_124} + X_{11\_129} + X_{11\_143} + X_{11\_152} + X_{11\_153} + X_{11\_163} + X_{11\_171} + X_{11\_180} + X_{11\_185} + X_{11\_196} + X_{11\_207} + X_{11\_214} + X_{11\_223} + X_{11\_225} + X_{11\_234} \geq 1;$

[\_1187] X\_11\_2 + X\_11\_11 + X\_11\_17 + X\_11\_28 + X\_11\_34 + X\_11\_47 +  
 X\_11\_56 +  
 X\_11\_64 + X\_11\_69 + X\_11\_76 + X\_11\_83 + X\_11\_91 + X\_11\_97 + X\_11\_107  
 + X\_11\_116 +  
 X\_11\_122 + X\_11\_131 + X\_11\_137 + X\_11\_148 + X\_11\_154 + X\_11\_167 +  
 X\_11\_176 +  
 X\_11\_184 + X\_11\_189 + X\_11\_196 + X\_11\_203 + X\_11\_211 + X\_11\_217 +  
 X\_11\_227 +  
 X\_11\_236 >= 1;

[\_1188] X\_11\_8 + X\_11\_11 + X\_11\_20 + X\_11\_26 + X\_11\_36 + X\_11\_43 +  
 X\_11\_52 +  
 X\_11\_59 + X\_11\_72 + X\_11\_73 + X\_11\_86 + X\_11\_95 + X\_11\_102 + X\_11\_110  
 + X\_11\_120 +  
 X\_11\_128 + X\_11\_131 + X\_11\_140 + X\_11\_146 + X\_11\_156 + X\_11\_163 +  
 X\_11\_172 +  
 X\_11\_179 + X\_11\_192 + X\_11\_193 + X\_11\_206 + X\_11\_215 + X\_11\_222 +  
 X\_11\_230 +  
 X\_11\_240 >= 1;

[\_1189] X\_11\_5 + X\_11\_14 + X\_11\_21 + X\_11\_25 + X\_11\_40 + X\_11\_45 +  
 X\_11\_52 +  
 X\_11\_57 + X\_11\_68 + X\_11\_80 + X\_11\_87 + X\_11\_96 + X\_11\_104 + X\_11\_107  
 + X\_11\_113 +  
 X\_11\_125 + X\_11\_134 + X\_11\_141 + X\_11\_145 + X\_11\_160 + X\_11\_165 +  
 X\_11\_172 +  
 X\_11\_177 + X\_11\_188 + X\_11\_200 + X\_11\_207 + X\_11\_216 + X\_11\_224 +  
 X\_11\_227 +  
 X\_11\_233 >= 1;

[\_1190] X\_11\_2 + X\_11\_13 + X\_11\_22 + X\_11\_30 + X\_11\_35 + X\_11\_48 +  
 X\_11\_55 +  
 X\_11\_61 + X\_11\_72 + X\_11\_74 + X\_11\_84 + X\_11\_96 + X\_11\_103 + X\_11\_106  
 + X\_11\_115 +  
 X\_11\_122 + X\_11\_133 + X\_11\_142 + X\_11\_150 + X\_11\_155 + X\_11\_168 +  
 X\_11\_175 +  
 X\_11\_181 + X\_11\_192 + X\_11\_194 + X\_11\_204 + X\_11\_216 + X\_11\_223 +  
 X\_11\_226 +  
 X\_11\_235 >= 1;

[\_1191] X\_11\_4 + X\_11\_14 + X\_11\_19 + X\_11\_30 + X\_11\_34 + X\_11\_46 +  
 X\_11\_49 +  
 X\_11\_58 + X\_11\_67 + X\_11\_78 + X\_11\_81 + X\_11\_95 + X\_11\_98 + X\_11\_109  
 + X\_11\_119 +  
 X\_11\_124 + X\_11\_134 + X\_11\_139 + X\_11\_150 + X\_11\_154 + X\_11\_166 +  
 X\_11\_169 +  
 X\_11\_178 + X\_11\_187 + X\_11\_198 + X\_11\_201 + X\_11\_215 + X\_11\_218 +  
 X\_11\_229 +  
 X\_11\_239 >= 1;

[\_1192] X\_11\_5 + X\_11\_10 + X\_11\_22 + X\_11\_28 + X\_11\_39 + X\_11\_42 +  
 X\_11\_49 +  
 X\_11\_63 + X\_11\_70 + X\_11\_77 + X\_11\_86 + X\_11\_90 + X\_11\_99 + X\_11\_108  
 + X\_11\_114 +  
 X\_11\_125 + X\_11\_130 + X\_11\_142 + X\_11\_148 + X\_11\_159 + X\_11\_162 +  
 X\_11\_169 +  
 X\_11\_183 + X\_11\_190 + X\_11\_197 + X\_11\_206 + X\_11\_210 + X\_11\_219 +  
 X\_11\_228 +  
 X\_11\_234 >= 1;

[\_1193] X\_11\_1 + X\_11\_9 + X\_11\_21 + X\_11\_31 + X\_11\_35 + X\_11\_47 +  
 X\_11\_53 + X\_11\_63

+ X\_11\_67 + X\_11\_79 + X\_11\_88 + X\_11\_93 + X\_11\_102 + X\_11\_111 +  
 X\_11\_117 +  
 X\_11\_121 + X\_11\_129 + X\_11\_141 + X\_11\_151 + X\_11\_155 + X\_11\_167 +  
 X\_11\_173 +  
 X\_11\_183 + X\_11\_187 + X\_11\_199 + X\_11\_208 + X\_11\_213 + X\_11\_222 +  
 X\_11\_231 +  
 X\_11\_237 >= 1;  
 [\_1194] X\_11\_6 + X\_11\_16 + X\_11\_18 + X\_11\_26 + X\_11\_37 + X\_11\_42 +  
 X\_11\_54 +  
 X\_11\_60 + X\_11\_68 + X\_11\_75 + X\_11\_84 + X\_11\_91 + X\_11\_101 + X\_11\_109  
 + X\_11\_117 +  
 X\_11\_126 + X\_11\_136 + X\_11\_138 + X\_11\_146 + X\_11\_157 + X\_11\_162 +  
 X\_11\_174 +  
 X\_11\_180 + X\_11\_188 + X\_11\_195 + X\_11\_204 + X\_11\_211 + X\_11\_221 +  
 X\_11\_229 +  
 X\_11\_237 >= 1;  
 [\_1195] X\_11\_1 + X\_11\_15 + X\_11\_24 + X\_11\_27 + X\_11\_36 + X\_11\_44 +  
 X\_11\_54 +  
 X\_11\_61 + X\_11\_65 + X\_11\_80 + X\_11\_85 + X\_11\_92 + X\_11\_97 + X\_11\_108  
 + X\_11\_119 +  
 X\_11\_121 + X\_11\_135 + X\_11\_144 + X\_11\_147 + X\_11\_156 + X\_11\_164 +  
 X\_11\_174 +  
 X\_11\_181 + X\_11\_185 + X\_11\_200 + X\_11\_205 + X\_11\_212 + X\_11\_217 +  
 X\_11\_228 +  
 X\_11\_239 >= 1;  
 [\_1196] X\_11\_6 + X\_11\_15 + X\_11\_23 + X\_11\_25 + X\_11\_38 + X\_11\_48 +  
 X\_11\_56 +  
 X\_11\_62 + X\_11\_70 + X\_11\_78 + X\_11\_88 + X\_11\_89 + X\_11\_100 + X\_11\_110  
 + X\_11\_118 +  
 X\_11\_126 + X\_11\_135 + X\_11\_143 + X\_11\_145 + X\_11\_158 + X\_11\_168 +  
 X\_11\_176 +  
 X\_11\_182 + X\_11\_190 + X\_11\_198 + X\_11\_208 + X\_11\_209 + X\_11\_220 +  
 X\_11\_230 +  
 X\_11\_238 >= 1;  
 [\_1197] X\_11\_8 + X\_11\_12 + X\_11\_18 + X\_11\_27 + X\_11\_33 + X\_11\_45 +  
 X\_11\_50 +  
 X\_11\_58 + X\_11\_69 + X\_11\_77 + X\_11\_82 + X\_11\_93 + X\_11\_100 + X\_11\_112  
 + X\_11\_115 +  
 X\_11\_128 + X\_11\_132 + X\_11\_138 + X\_11\_147 + X\_11\_153 + X\_11\_165 +  
 X\_11\_170 +  
 X\_11\_178 + X\_11\_189 + X\_11\_197 + X\_11\_202 + X\_11\_213 + X\_11\_220 +  
 X\_11\_232 +  
 X\_11\_235 >= 1;  
 [\_1198] X\_11\_7 + X\_11\_16 + X\_11\_24 + X\_11\_32 + X\_11\_40 + X\_11\_41 +  
 X\_11\_55 +  
 X\_11\_64 + X\_11\_71 + X\_11\_79 + X\_11\_81 + X\_11\_89 + X\_11\_99 + X\_11\_112  
 + X\_11\_120 +  
 X\_11\_127 + X\_11\_136 + X\_11\_144 + X\_11\_152 + X\_11\_160 + X\_11\_161 +  
 X\_11\_175 +  
 X\_11\_184 + X\_11\_191 + X\_11\_199 + X\_11\_201 + X\_11\_209 + X\_11\_219 +  
 X\_11\_232 +  
 X\_11\_240 >= 1;  
 [\_1199] X\_11\_3 + X\_11\_13 + X\_11\_17 + X\_11\_29 + X\_11\_39 + X\_11\_46 +  
 X\_11\_53 +  
 X\_11\_62 + X\_11\_71 + X\_11\_73 + X\_11\_82 + X\_11\_92 + X\_11\_101 + X\_11\_105  
 + X\_11\_113 +



$X_{11\_123} + X_{11\_133} + X_{11\_137} + X_{11\_149} + X_{11\_159} + X_{11\_166} + X_{11\_173} +$   
 $X_{11\_182} + X_{11\_191} + X_{11\_193} + X_{11\_202} + X_{11\_212} + X_{11\_221} + X_{11\_225} +$   
 $X_{11\_233} \geq 1;$   
 [\_1200]  $X_{12\_3} + X_{12\_10} + X_{12\_19} + X_{12\_31} + X_{12\_38} + X_{12\_41} + X_{12\_50} +$   
 $X_{12\_59} + X_{12\_66} + X_{12\_75} + X_{12\_85} + X_{12\_94} + X_{12\_104} + X_{12\_106} + X_{12\_116} +$   
 $X_{12\_123} + X_{12\_130} + X_{12\_139} + X_{12\_151} + X_{12\_158} + X_{12\_161} + X_{12\_170} +$   
 $X_{12\_179} + X_{12\_186} + X_{12\_195} + X_{12\_205} + X_{12\_214} + X_{12\_224} + X_{12\_226} +$   
 $X_{12\_236} \geq 1;$   
 [\_1201]  $X_{12\_7} + X_{12\_12} + X_{12\_20} + X_{12\_29} + X_{12\_37} + X_{12\_44} + X_{12\_51} +$   
 $X_{12\_57} + X_{12\_66} + X_{12\_74} + X_{12\_83} + X_{12\_90} + X_{12\_98} + X_{12\_111} + X_{12\_118} +$   
 $X_{12\_127} + X_{12\_132} + X_{12\_140} + X_{12\_149} + X_{12\_157} + X_{12\_164} + X_{12\_171} +$   
 $X_{12\_177} + X_{12\_186} + X_{12\_194} + X_{12\_203} + X_{12\_210} + X_{12\_218} + X_{12\_231} +$   
 $X_{12\_238} \geq 1;$   
 [\_1202]  $X_{12\_4} + X_{12\_9} + X_{12\_23} + X_{12\_32} + X_{12\_33} + X_{12\_43} + X_{12\_51} + X_{12\_60} +$   
 $X_{12\_65} + X_{12\_76} + X_{12\_87} + X_{12\_94} + X_{12\_103} + X_{12\_105} + X_{12\_114} +$   
 $X_{12\_124} + X_{12\_129} + X_{12\_143} + X_{12\_152} + X_{12\_153} + X_{12\_163} + X_{12\_171} +$   
 $X_{12\_180} + X_{12\_185} + X_{12\_196} + X_{12\_207} + X_{12\_214} + X_{12\_223} + X_{12\_225} +$   
 $X_{12\_234} \geq 1;$   
 [\_1203]  $X_{12\_2} + X_{12\_11} + X_{12\_17} + X_{12\_28} + X_{12\_34} + X_{12\_47} + X_{12\_56} +$   
 $X_{12\_64} + X_{12\_69} + X_{12\_76} + X_{12\_83} + X_{12\_91} + X_{12\_97} + X_{12\_107} + X_{12\_116} +$   
 $X_{12\_122} + X_{12\_131} + X_{12\_137} + X_{12\_148} + X_{12\_154} + X_{12\_167} + X_{12\_176} +$   
 $X_{12\_184} + X_{12\_189} + X_{12\_196} + X_{12\_203} + X_{12\_211} + X_{12\_217} + X_{12\_227} +$   
 $X_{12\_236} \geq 1;$   
 [\_1204]  $X_{12\_8} + X_{12\_11} + X_{12\_20} + X_{12\_26} + X_{12\_36} + X_{12\_43} + X_{12\_52} +$   
 $X_{12\_59} + X_{12\_72} + X_{12\_73} + X_{12\_86} + X_{12\_95} + X_{12\_102} + X_{12\_110} + X_{12\_120} +$   
 $X_{12\_128} + X_{12\_131} + X_{12\_140} + X_{12\_146} + X_{12\_156} + X_{12\_163} + X_{12\_172} +$   
 $X_{12\_179} + X_{12\_192} + X_{12\_193} + X_{12\_206} + X_{12\_215} + X_{12\_222} + X_{12\_230} +$   
 $X_{12\_240} \geq 1;$   
 [\_1205]  $X_{12\_5} + X_{12\_14} + X_{12\_21} + X_{12\_25} + X_{12\_40} + X_{12\_45} + X_{12\_52} +$   
 $X_{12\_57} + X_{12\_68} + X_{12\_80} + X_{12\_87} + X_{12\_96} + X_{12\_104} + X_{12\_107} + X_{12\_113} +$   
 $X_{12\_125} + X_{12\_134} + X_{12\_141} + X_{12\_145} + X_{12\_160} + X_{12\_165} + X_{12\_172} +$

$X_{12\_177} + X_{12\_188} + X_{12\_200} + X_{12\_207} + X_{12\_216} + X_{12\_224} + X_{12\_227} + X_{12\_233} \geq 1;$   
 [\_1206]  $X_{12\_2} + X_{12\_13} + X_{12\_22} + X_{12\_30} + X_{12\_35} + X_{12\_48} + X_{12\_55} + X_{12\_61} + X_{12\_72} + X_{12\_74} + X_{12\_84} + X_{12\_96} + X_{12\_103} + X_{12\_106} + X_{12\_115} + X_{12\_122} + X_{12\_133} + X_{12\_142} + X_{12\_150} + X_{12\_155} + X_{12\_168} + X_{12\_175} + X_{12\_181} + X_{12\_192} + X_{12\_194} + X_{12\_204} + X_{12\_216} + X_{12\_223} + X_{12\_226} + X_{12\_235} \geq 1;$   
 [\_1207]  $X_{12\_4} + X_{12\_14} + X_{12\_19} + X_{12\_30} + X_{12\_34} + X_{12\_46} + X_{12\_49} + X_{12\_58} + X_{12\_67} + X_{12\_78} + X_{12\_81} + X_{12\_95} + X_{12\_98} + X_{12\_109} + X_{12\_119} + X_{12\_124} + X_{12\_134} + X_{12\_139} + X_{12\_150} + X_{12\_154} + X_{12\_166} + X_{12\_169} + X_{12\_178} + X_{12\_187} + X_{12\_198} + X_{12\_201} + X_{12\_215} + X_{12\_218} + X_{12\_229} + X_{12\_239} \geq 1;$   
 [\_1208]  $X_{12\_5} + X_{12\_10} + X_{12\_22} + X_{12\_28} + X_{12\_39} + X_{12\_42} + X_{12\_49} + X_{12\_63} + X_{12\_70} + X_{12\_77} + X_{12\_86} + X_{12\_90} + X_{12\_99} + X_{12\_108} + X_{12\_114} + X_{12\_125} + X_{12\_130} + X_{12\_142} + X_{12\_148} + X_{12\_159} + X_{12\_162} + X_{12\_169} + X_{12\_183} + X_{12\_190} + X_{12\_197} + X_{12\_206} + X_{12\_210} + X_{12\_219} + X_{12\_228} + X_{12\_234} \geq 1;$   
 [\_1209]  $X_{12\_1} + X_{12\_9} + X_{12\_21} + X_{12\_31} + X_{12\_35} + X_{12\_47} + X_{12\_53} + X_{12\_63} + X_{12\_67} + X_{12\_79} + X_{12\_88} + X_{12\_93} + X_{12\_102} + X_{12\_111} + X_{12\_117} + X_{12\_121} + X_{12\_129} + X_{12\_141} + X_{12\_151} + X_{12\_155} + X_{12\_167} + X_{12\_173} + X_{12\_183} + X_{12\_187} + X_{12\_199} + X_{12\_208} + X_{12\_213} + X_{12\_222} + X_{12\_231} + X_{12\_237} \geq 1;$   
 [\_1210]  $X_{12\_6} + X_{12\_16} + X_{12\_18} + X_{12\_26} + X_{12\_37} + X_{12\_42} + X_{12\_54} + X_{12\_60} + X_{12\_68} + X_{12\_75} + X_{12\_84} + X_{12\_91} + X_{12\_101} + X_{12\_109} + X_{12\_117} + X_{12\_126} + X_{12\_136} + X_{12\_138} + X_{12\_146} + X_{12\_157} + X_{12\_162} + X_{12\_174} + X_{12\_180} + X_{12\_188} + X_{12\_195} + X_{12\_204} + X_{12\_211} + X_{12\_221} + X_{12\_229} + X_{12\_237} \geq 1;$   
 [\_1211]  $X_{12\_1} + X_{12\_15} + X_{12\_24} + X_{12\_27} + X_{12\_36} + X_{12\_44} + X_{12\_54} + X_{12\_61} + X_{12\_65} + X_{12\_80} + X_{12\_85} + X_{12\_92} + X_{12\_97} + X_{12\_108} + X_{12\_119} + X_{12\_121} + X_{12\_135} + X_{12\_144} + X_{12\_147} + X_{12\_156} + X_{12\_164} + X_{12\_174} + X_{12\_181} + X_{12\_185} + X_{12\_200} + X_{12\_205} + X_{12\_212} + X_{12\_217} + X_{12\_228} + X_{12\_239} \geq 1;$

[\_1212] X\_12\_6 + X\_12\_15 + X\_12\_23 + X\_12\_25 + X\_12\_38 + X\_12\_48 +  
 X\_12\_56 +  
 X\_12\_62 + X\_12\_70 + X\_12\_78 + X\_12\_88 + X\_12\_89 + X\_12\_100 + X\_12\_110  
 + X\_12\_118 +  
 X\_12\_126 + X\_12\_135 + X\_12\_143 + X\_12\_145 + X\_12\_158 + X\_12\_168 +  
 X\_12\_176 +  
 X\_12\_182 + X\_12\_190 + X\_12\_198 + X\_12\_208 + X\_12\_209 + X\_12\_220 +  
 X\_12\_230 +  
 X\_12\_238 >= 1;  
 [\_1213] X\_12\_8 + X\_12\_12 + X\_12\_18 + X\_12\_27 + X\_12\_33 + X\_12\_45 +  
 X\_12\_50 +  
 X\_12\_58 + X\_12\_69 + X\_12\_77 + X\_12\_82 + X\_12\_93 + X\_12\_100 + X\_12\_112  
 + X\_12\_115 +  
 X\_12\_128 + X\_12\_132 + X\_12\_138 + X\_12\_147 + X\_12\_153 + X\_12\_165 +  
 X\_12\_170 +  
 X\_12\_178 + X\_12\_189 + X\_12\_197 + X\_12\_202 + X\_12\_213 + X\_12\_220 +  
 X\_12\_232 +  
 X\_12\_235 >= 1;  
 [\_1214] X\_12\_7 + X\_12\_16 + X\_12\_24 + X\_12\_32 + X\_12\_40 + X\_12\_41 +  
 X\_12\_55 +  
 X\_12\_64 + X\_12\_71 + X\_12\_79 + X\_12\_81 + X\_12\_89 + X\_12\_99 + X\_12\_112  
 + X\_12\_120 +  
 X\_12\_127 + X\_12\_136 + X\_12\_144 + X\_12\_152 + X\_12\_160 + X\_12\_161 +  
 X\_12\_175 +  
 X\_12\_184 + X\_12\_191 + X\_12\_199 + X\_12\_201 + X\_12\_209 + X\_12\_219 +  
 X\_12\_232 +  
 X\_12\_240 >= 1;  
 [\_1215] X\_12\_3 + X\_12\_13 + X\_12\_17 + X\_12\_29 + X\_12\_39 + X\_12\_46 +  
 X\_12\_53 +  
 X\_12\_62 + X\_12\_71 + X\_12\_73 + X\_12\_82 + X\_12\_92 + X\_12\_101 + X\_12\_105  
 + X\_12\_113 +  
 X\_12\_123 + X\_12\_133 + X\_12\_137 + X\_12\_149 + X\_12\_159 + X\_12\_166 +  
 X\_12\_173 +  
 X\_12\_182 + X\_12\_191 + X\_12\_193 + X\_12\_202 + X\_12\_212 + X\_12\_221 +  
 X\_12\_225 +  
 X\_12\_233 >= 1;  
 [\_1216] X\_13\_3 + X\_13\_10 + X\_13\_19 + X\_13\_31 + X\_13\_38 + X\_13\_41 +  
 X\_13\_50 +  
 X\_13\_59 + X\_13\_66 + X\_13\_75 + X\_13\_85 + X\_13\_94 + X\_13\_104 + X\_13\_106  
 + X\_13\_116 +  
 X\_13\_123 + X\_13\_130 + X\_13\_139 + X\_13\_151 + X\_13\_158 + X\_13\_161 +  
 X\_13\_170 +  
 X\_13\_179 + X\_13\_186 + X\_13\_195 + X\_13\_205 + X\_13\_214 + X\_13\_224 +  
 X\_13\_226 +  
 X\_13\_236 >= 1;  
 [\_1217] X\_13\_7 + X\_13\_12 + X\_13\_20 + X\_13\_29 + X\_13\_37 + X\_13\_44 +  
 X\_13\_51 +  
 X\_13\_57 + X\_13\_66 + X\_13\_74 + X\_13\_83 + X\_13\_90 + X\_13\_98 + X\_13\_111  
 + X\_13\_118 +  
 X\_13\_127 + X\_13\_132 + X\_13\_140 + X\_13\_149 + X\_13\_157 + X\_13\_164 +  
 X\_13\_171 +  
 X\_13\_177 + X\_13\_186 + X\_13\_194 + X\_13\_203 + X\_13\_210 + X\_13\_218 +  
 X\_13\_231 +  
 X\_13\_238 >= 1;  
 [\_1218] X\_13\_4 + X\_13\_9 + X\_13\_23 + X\_13\_32 + X\_13\_33 + X\_13\_43 +  
 X\_13\_51 + X\_13\_60

+ X\_13\_65 + X\_13\_76 + X\_13\_87 + X\_13\_94 + X\_13\_103 + X\_13\_105 +  
 X\_13\_114 +  
 X\_13\_124 + X\_13\_129 + X\_13\_143 + X\_13\_152 + X\_13\_153 + X\_13\_163 +  
 X\_13\_171 +  
 X\_13\_180 + X\_13\_185 + X\_13\_196 + X\_13\_207 + X\_13\_214 + X\_13\_223 +  
 X\_13\_225 +  
 X\_13\_234 >= 1;  
 [\_1219] X\_13\_2 + X\_13\_11 + X\_13\_17 + X\_13\_28 + X\_13\_34 + X\_13\_47 +  
 X\_13\_56 +  
 X\_13\_64 + X\_13\_69 + X\_13\_76 + X\_13\_83 + X\_13\_91 + X\_13\_97 + X\_13\_107  
 + X\_13\_116 +  
 X\_13\_122 + X\_13\_131 + X\_13\_137 + X\_13\_148 + X\_13\_154 + X\_13\_167 +  
 X\_13\_176 +  
 X\_13\_184 + X\_13\_189 + X\_13\_196 + X\_13\_203 + X\_13\_211 + X\_13\_217 +  
 X\_13\_227 +  
 X\_13\_236 >= 1;  
 [\_1220] X\_13\_8 + X\_13\_11 + X\_13\_20 + X\_13\_26 + X\_13\_36 + X\_13\_43 +  
 X\_13\_52 +  
 X\_13\_59 + X\_13\_72 + X\_13\_73 + X\_13\_86 + X\_13\_95 + X\_13\_102 + X\_13\_110  
 + X\_13\_120 +  
 X\_13\_128 + X\_13\_131 + X\_13\_140 + X\_13\_146 + X\_13\_156 + X\_13\_163 +  
 X\_13\_172 +  
 X\_13\_179 + X\_13\_192 + X\_13\_193 + X\_13\_206 + X\_13\_215 + X\_13\_222 +  
 X\_13\_230 +  
 X\_13\_240 >= 1;  
 [\_1221] X\_13\_5 + X\_13\_14 + X\_13\_21 + X\_13\_25 + X\_13\_40 + X\_13\_45 +  
 X\_13\_52 +  
 X\_13\_57 + X\_13\_68 + X\_13\_80 + X\_13\_87 + X\_13\_96 + X\_13\_104 + X\_13\_107  
 + X\_13\_113 +  
 X\_13\_125 + X\_13\_134 + X\_13\_141 + X\_13\_145 + X\_13\_160 + X\_13\_165 +  
 X\_13\_172 +  
 X\_13\_177 + X\_13\_188 + X\_13\_200 + X\_13\_207 + X\_13\_216 + X\_13\_224 +  
 X\_13\_227 +  
 X\_13\_233 >= 1;  
 [\_1222] X\_13\_2 + X\_13\_13 + X\_13\_22 + X\_13\_30 + X\_13\_35 + X\_13\_48 +  
 X\_13\_55 +  
 X\_13\_61 + X\_13\_72 + X\_13\_74 + X\_13\_84 + X\_13\_96 + X\_13\_103 + X\_13\_106  
 + X\_13\_115 +  
 X\_13\_122 + X\_13\_133 + X\_13\_142 + X\_13\_150 + X\_13\_155 + X\_13\_168 +  
 X\_13\_175 +  
 X\_13\_181 + X\_13\_192 + X\_13\_194 + X\_13\_204 + X\_13\_216 + X\_13\_223 +  
 X\_13\_226 +  
 X\_13\_235 >= 1;  
 [\_1223] X\_13\_4 + X\_13\_14 + X\_13\_19 + X\_13\_30 + X\_13\_34 + X\_13\_46 +  
 X\_13\_49 +  
 X\_13\_58 + X\_13\_67 + X\_13\_78 + X\_13\_81 + X\_13\_95 + X\_13\_98 + X\_13\_109  
 + X\_13\_119 +  
 X\_13\_124 + X\_13\_134 + X\_13\_139 + X\_13\_150 + X\_13\_154 + X\_13\_166 +  
 X\_13\_169 +  
 X\_13\_178 + X\_13\_187 + X\_13\_198 + X\_13\_201 + X\_13\_215 + X\_13\_218 +  
 X\_13\_229 +  
 X\_13\_239 >= 1;  
 [\_1224] X\_13\_5 + X\_13\_10 + X\_13\_22 + X\_13\_28 + X\_13\_39 + X\_13\_42 +  
 X\_13\_49 +  
 X\_13\_63 + X\_13\_70 + X\_13\_77 + X\_13\_86 + X\_13\_90 + X\_13\_99 + X\_13\_108  
 + X\_13\_114 +

$X_{13\_125} + X_{13\_130} + X_{13\_142} + X_{13\_148} + X_{13\_159} + X_{13\_162} +$   
 $X_{13\_169} +$   
 $X_{13\_183} + X_{13\_190} + X_{13\_197} + X_{13\_206} + X_{13\_210} + X_{13\_219} +$   
 $X_{13\_228} +$   
 $X_{13\_234} \geq 1;$   
 [\_1225]  $X_{13\_1} + X_{13\_9} + X_{13\_21} + X_{13\_31} + X_{13\_35} + X_{13\_47} +$   
 $X_{13\_53} + X_{13\_63}$   
 $+ X_{13\_67} + X_{13\_79} + X_{13\_88} + X_{13\_93} + X_{13\_102} + X_{13\_111} +$   
 $X_{13\_117} +$   
 $X_{13\_121} + X_{13\_129} + X_{13\_141} + X_{13\_151} + X_{13\_155} + X_{13\_167} +$   
 $X_{13\_173} +$   
 $X_{13\_183} + X_{13\_187} + X_{13\_199} + X_{13\_208} + X_{13\_213} + X_{13\_222} +$   
 $X_{13\_231} +$   
 $X_{13\_237} \geq 1;$   
 [\_1226]  $X_{13\_6} + X_{13\_16} + X_{13\_18} + X_{13\_26} + X_{13\_37} + X_{13\_42} +$   
 $X_{13\_54} +$   
 $X_{13\_60} + X_{13\_68} + X_{13\_75} + X_{13\_84} + X_{13\_91} + X_{13\_101} + X_{13\_109}$   
 $+ X_{13\_117} +$   
 $X_{13\_126} + X_{13\_136} + X_{13\_138} + X_{13\_146} + X_{13\_157} + X_{13\_162} +$   
 $X_{13\_174} +$   
 $X_{13\_180} + X_{13\_188} + X_{13\_195} + X_{13\_204} + X_{13\_211} + X_{13\_221} +$   
 $X_{13\_229} +$   
 $X_{13\_237} \geq 1;$   
 [\_1227]  $X_{13\_1} + X_{13\_15} + X_{13\_24} + X_{13\_27} + X_{13\_36} + X_{13\_44} +$   
 $X_{13\_54} +$   
 $X_{13\_61} + X_{13\_65} + X_{13\_80} + X_{13\_85} + X_{13\_92} + X_{13\_97} + X_{13\_108}$   
 $+ X_{13\_119} +$   
 $X_{13\_121} + X_{13\_135} + X_{13\_144} + X_{13\_147} + X_{13\_156} + X_{13\_164} +$   
 $X_{13\_174} +$   
 $X_{13\_181} + X_{13\_185} + X_{13\_200} + X_{13\_205} + X_{13\_212} + X_{13\_217} +$   
 $X_{13\_228} +$   
 $X_{13\_239} \geq 1;$   
 [\_1228]  $X_{13\_6} + X_{13\_15} + X_{13\_23} + X_{13\_25} + X_{13\_38} + X_{13\_48} +$   
 $X_{13\_56} +$   
 $X_{13\_62} + X_{13\_70} + X_{13\_78} + X_{13\_88} + X_{13\_89} + X_{13\_100} + X_{13\_110}$   
 $+ X_{13\_118} +$   
 $X_{13\_126} + X_{13\_135} + X_{13\_143} + X_{13\_145} + X_{13\_158} + X_{13\_168} +$   
 $X_{13\_176} +$   
 $X_{13\_182} + X_{13\_190} + X_{13\_198} + X_{13\_208} + X_{13\_209} + X_{13\_220} +$   
 $X_{13\_230} +$   
 $X_{13\_238} \geq 1;$   
 [\_1229]  $X_{13\_8} + X_{13\_12} + X_{13\_18} + X_{13\_27} + X_{13\_33} + X_{13\_45} +$   
 $X_{13\_50} +$   
 $X_{13\_58} + X_{13\_69} + X_{13\_77} + X_{13\_82} + X_{13\_93} + X_{13\_100} + X_{13\_112}$   
 $+ X_{13\_115} +$   
 $X_{13\_128} + X_{13\_132} + X_{13\_138} + X_{13\_147} + X_{13\_153} + X_{13\_165} +$   
 $X_{13\_170} +$   
 $X_{13\_178} + X_{13\_189} + X_{13\_197} + X_{13\_202} + X_{13\_213} + X_{13\_220} +$   
 $X_{13\_232} +$   
 $X_{13\_235} \geq 1;$   
 [\_1230]  $X_{13\_7} + X_{13\_16} + X_{13\_24} + X_{13\_32} + X_{13\_40} + X_{13\_41} +$   
 $X_{13\_55} +$   
 $X_{13\_64} + X_{13\_71} + X_{13\_79} + X_{13\_81} + X_{13\_89} + X_{13\_99} + X_{13\_112}$   
 $+ X_{13\_120} +$   
 $X_{13\_127} + X_{13\_136} + X_{13\_144} + X_{13\_152} + X_{13\_160} + X_{13\_161} +$   
 $X_{13\_175} +$

$X_{13\_184} + X_{13\_191} + X_{13\_199} + X_{13\_201} + X_{13\_209} + X_{13\_219} + X_{13\_232} + X_{13\_240} \geq 1;$   
 [\_1231]  $X_{13\_3} + X_{13\_13} + X_{13\_17} + X_{13\_29} + X_{13\_39} + X_{13\_46} + X_{13\_53} + X_{13\_62} + X_{13\_71} + X_{13\_73} + X_{13\_82} + X_{13\_92} + X_{13\_101} + X_{13\_105} + X_{13\_113} + X_{13\_123} + X_{13\_133} + X_{13\_137} + X_{13\_149} + X_{13\_159} + X_{13\_166} + X_{13\_173} + X_{13\_182} + X_{13\_191} + X_{13\_193} + X_{13\_202} + X_{13\_212} + X_{13\_221} + X_{13\_225} + X_{13\_233} \geq 1;$   
 [\_1232]  $X_{14\_3} + X_{14\_10} + X_{14\_19} + X_{14\_31} + X_{14\_38} + X_{14\_41} + X_{14\_50} + X_{14\_59} + X_{14\_66} + X_{14\_75} + X_{14\_85} + X_{14\_94} + X_{14\_104} + X_{14\_106} + X_{14\_116} + X_{14\_123} + X_{14\_130} + X_{14\_139} + X_{14\_151} + X_{14\_158} + X_{14\_161} + X_{14\_170} + X_{14\_179} + X_{14\_186} + X_{14\_195} + X_{14\_205} + X_{14\_214} + X_{14\_224} + X_{14\_226} + X_{14\_236} \geq 1;$   
 [\_1233]  $X_{14\_7} + X_{14\_12} + X_{14\_20} + X_{14\_29} + X_{14\_37} + X_{14\_44} + X_{14\_51} + X_{14\_57} + X_{14\_66} + X_{14\_74} + X_{14\_83} + X_{14\_90} + X_{14\_98} + X_{14\_111} + X_{14\_118} + X_{14\_127} + X_{14\_132} + X_{14\_140} + X_{14\_149} + X_{14\_157} + X_{14\_164} + X_{14\_171} + X_{14\_177} + X_{14\_186} + X_{14\_194} + X_{14\_203} + X_{14\_210} + X_{14\_218} + X_{14\_231} + X_{14\_238} \geq 1;$   
 [\_1234]  $X_{14\_4} + X_{14\_9} + X_{14\_23} + X_{14\_32} + X_{14\_33} + X_{14\_43} + X_{14\_51} + X_{14\_60} + X_{14\_65} + X_{14\_76} + X_{14\_87} + X_{14\_94} + X_{14\_103} + X_{14\_105} + X_{14\_114} + X_{14\_124} + X_{14\_129} + X_{14\_143} + X_{14\_152} + X_{14\_153} + X_{14\_163} + X_{14\_171} + X_{14\_180} + X_{14\_185} + X_{14\_196} + X_{14\_207} + X_{14\_214} + X_{14\_223} + X_{14\_225} + X_{14\_234} \geq 1;$   
 [\_1235]  $X_{14\_2} + X_{14\_11} + X_{14\_17} + X_{14\_28} + X_{14\_34} + X_{14\_47} + X_{14\_56} + X_{14\_64} + X_{14\_69} + X_{14\_76} + X_{14\_83} + X_{14\_91} + X_{14\_97} + X_{14\_107} + X_{14\_116} + X_{14\_122} + X_{14\_131} + X_{14\_137} + X_{14\_148} + X_{14\_154} + X_{14\_167} + X_{14\_176} + X_{14\_184} + X_{14\_189} + X_{14\_196} + X_{14\_203} + X_{14\_211} + X_{14\_217} + X_{14\_227} + X_{14\_236} \geq 1;$   
 [\_1236]  $X_{14\_8} + X_{14\_11} + X_{14\_20} + X_{14\_26} + X_{14\_36} + X_{14\_43} + X_{14\_52} + X_{14\_59} + X_{14\_72} + X_{14\_73} + X_{14\_86} + X_{14\_95} + X_{14\_102} + X_{14\_110} + X_{14\_120} + X_{14\_128} + X_{14\_131} + X_{14\_140} + X_{14\_146} + X_{14\_156} + X_{14\_163} + X_{14\_172} + X_{14\_179} + X_{14\_192} + X_{14\_193} + X_{14\_206} + X_{14\_215} + X_{14\_222} + X_{14\_230} + X_{14\_240} \geq 1;$

[\_1237] X\_14\_5 + X\_14\_14 + X\_14\_21 + X\_14\_25 + X\_14\_40 + X\_14\_45 +  
 X\_14\_52 +  
 X\_14\_57 + X\_14\_68 + X\_14\_80 + X\_14\_87 + X\_14\_96 + X\_14\_104 + X\_14\_107  
 + X\_14\_113 +  
 X\_14\_125 + X\_14\_134 + X\_14\_141 + X\_14\_145 + X\_14\_160 + X\_14\_165 +  
 X\_14\_172 +  
 X\_14\_177 + X\_14\_188 + X\_14\_200 + X\_14\_207 + X\_14\_216 + X\_14\_224 +  
 X\_14\_227 +  
 X\_14\_233 >= 1;  
 [\_1238] X\_14\_2 + X\_14\_13 + X\_14\_22 + X\_14\_30 + X\_14\_35 + X\_14\_48 +  
 X\_14\_55 +  
 X\_14\_61 + X\_14\_72 + X\_14\_74 + X\_14\_84 + X\_14\_96 + X\_14\_103 + X\_14\_106  
 + X\_14\_115 +  
 X\_14\_122 + X\_14\_133 + X\_14\_142 + X\_14\_150 + X\_14\_155 + X\_14\_168 +  
 X\_14\_175 +  
 X\_14\_181 + X\_14\_192 + X\_14\_194 + X\_14\_204 + X\_14\_216 + X\_14\_223 +  
 X\_14\_226 +  
 X\_14\_235 >= 1;  
 [\_1239] X\_14\_4 + X\_14\_14 + X\_14\_19 + X\_14\_30 + X\_14\_34 + X\_14\_46 +  
 X\_14\_49 +  
 X\_14\_58 + X\_14\_67 + X\_14\_78 + X\_14\_81 + X\_14\_95 + X\_14\_98 + X\_14\_109  
 + X\_14\_119 +  
 X\_14\_124 + X\_14\_134 + X\_14\_139 + X\_14\_150 + X\_14\_154 + X\_14\_166 +  
 X\_14\_169 +  
 X\_14\_178 + X\_14\_187 + X\_14\_198 + X\_14\_201 + X\_14\_215 + X\_14\_218 +  
 X\_14\_229 +  
 X\_14\_239 >= 1;  
 [\_1240] X\_14\_5 + X\_14\_10 + X\_14\_22 + X\_14\_28 + X\_14\_39 + X\_14\_42 +  
 X\_14\_49 +  
 X\_14\_63 + X\_14\_70 + X\_14\_77 + X\_14\_86 + X\_14\_90 + X\_14\_99 + X\_14\_108  
 + X\_14\_114 +  
 X\_14\_125 + X\_14\_130 + X\_14\_142 + X\_14\_148 + X\_14\_159 + X\_14\_162 +  
 X\_14\_169 +  
 X\_14\_183 + X\_14\_190 + X\_14\_197 + X\_14\_206 + X\_14\_210 + X\_14\_219 +  
 X\_14\_228 +  
 X\_14\_234 >= 1;  
 [\_1241] X\_14\_1 + X\_14\_9 + X\_14\_21 + X\_14\_31 + X\_14\_35 + X\_14\_47 +  
 X\_14\_53 + X\_14\_63  
 + X\_14\_67 + X\_14\_79 + X\_14\_88 + X\_14\_93 + X\_14\_102 + X\_14\_111 +  
 X\_14\_117 +  
 X\_14\_121 + X\_14\_129 + X\_14\_141 + X\_14\_151 + X\_14\_155 + X\_14\_167 +  
 X\_14\_173 +  
 X\_14\_183 + X\_14\_187 + X\_14\_199 + X\_14\_208 + X\_14\_213 + X\_14\_222 +  
 X\_14\_231 +  
 X\_14\_237 >= 1;  
 [\_1242] X\_14\_6 + X\_14\_16 + X\_14\_18 + X\_14\_26 + X\_14\_37 + X\_14\_42 +  
 X\_14\_54 +  
 X\_14\_60 + X\_14\_68 + X\_14\_75 + X\_14\_84 + X\_14\_91 + X\_14\_101 + X\_14\_109  
 + X\_14\_117 +  
 X\_14\_126 + X\_14\_136 + X\_14\_138 + X\_14\_146 + X\_14\_157 + X\_14\_162 +  
 X\_14\_174 +  
 X\_14\_180 + X\_14\_188 + X\_14\_195 + X\_14\_204 + X\_14\_211 + X\_14\_221 +  
 X\_14\_229 +  
 X\_14\_237 >= 1;  
 [\_1243] X\_14\_1 + X\_14\_15 + X\_14\_24 + X\_14\_27 + X\_14\_36 + X\_14\_44 +  
 X\_14\_54 +

$X_{14\_61} + X_{14\_65} + X_{14\_80} + X_{14\_85} + X_{14\_92} + X_{14\_97} + X_{14\_108}$   
 $+ X_{14\_119} +$   
 $X_{14\_121} + X_{14\_135} + X_{14\_144} + X_{14\_147} + X_{14\_156} + X_{14\_164} +$   
 $X_{14\_174} +$   
 $X_{14\_181} + X_{14\_185} + X_{14\_200} + X_{14\_205} + X_{14\_212} + X_{14\_217} +$   
 $X_{14\_228} +$   
 $X_{14\_239} \geq 1;$   
 [\_1244]  $X_{14\_6} + X_{14\_15} + X_{14\_23} + X_{14\_25} + X_{14\_38} + X_{14\_48} +$   
 $X_{14\_56} +$   
 $X_{14\_62} + X_{14\_70} + X_{14\_78} + X_{14\_88} + X_{14\_89} + X_{14\_100} + X_{14\_110}$   
 $+ X_{14\_118} +$   
 $X_{14\_126} + X_{14\_135} + X_{14\_143} + X_{14\_145} + X_{14\_158} + X_{14\_168} +$   
 $X_{14\_176} +$   
 $X_{14\_182} + X_{14\_190} + X_{14\_198} + X_{14\_208} + X_{14\_209} + X_{14\_220} +$   
 $X_{14\_230} +$   
 $X_{14\_238} \geq 1;$   
 [\_1245]  $X_{14\_8} + X_{14\_12} + X_{14\_18} + X_{14\_27} + X_{14\_33} + X_{14\_45} +$   
 $X_{14\_50} +$   
 $X_{14\_58} + X_{14\_69} + X_{14\_77} + X_{14\_82} + X_{14\_93} + X_{14\_100} + X_{14\_112}$   
 $+ X_{14\_115} +$   
 $X_{14\_128} + X_{14\_132} + X_{14\_138} + X_{14\_147} + X_{14\_153} + X_{14\_165} +$   
 $X_{14\_170} +$   
 $X_{14\_178} + X_{14\_189} + X_{14\_197} + X_{14\_202} + X_{14\_213} + X_{14\_220} +$   
 $X_{14\_232} +$   
 $X_{14\_235} \geq 1;$   
 [\_1246]  $X_{14\_7} + X_{14\_16} + X_{14\_24} + X_{14\_32} + X_{14\_40} + X_{14\_41} +$   
 $X_{14\_55} +$   
 $X_{14\_64} + X_{14\_71} + X_{14\_79} + X_{14\_81} + X_{14\_89} + X_{14\_99} + X_{14\_112}$   
 $+ X_{14\_120} +$   
 $X_{14\_127} + X_{14\_136} + X_{14\_144} + X_{14\_152} + X_{14\_160} + X_{14\_161} +$   
 $X_{14\_175} +$   
 $X_{14\_184} + X_{14\_191} + X_{14\_199} + X_{14\_201} + X_{14\_209} + X_{14\_219} +$   
 $X_{14\_232} +$   
 $X_{14\_240} \geq 1;$   
 [\_1247]  $X_{14\_3} + X_{14\_13} + X_{14\_17} + X_{14\_29} + X_{14\_39} + X_{14\_46} +$   
 $X_{14\_53} +$   
 $X_{14\_62} + X_{14\_71} + X_{14\_73} + X_{14\_82} + X_{14\_92} + X_{14\_101} + X_{14\_105}$   
 $+ X_{14\_113} +$   
 $X_{14\_123} + X_{14\_133} + X_{14\_137} + X_{14\_149} + X_{14\_159} + X_{14\_166} +$   
 $X_{14\_173} +$   
 $X_{14\_182} + X_{14\_191} + X_{14\_193} + X_{14\_202} + X_{14\_212} + X_{14\_221} +$   
 $X_{14\_225} +$   
 $X_{14\_233} \geq 1;$   
 [\_1248]  $X_{15\_3} + X_{15\_10} + X_{15\_19} + X_{15\_31} + X_{15\_38} + X_{15\_41} +$   
 $X_{15\_50} +$   
 $X_{15\_59} + X_{15\_66} + X_{15\_75} + X_{15\_85} + X_{15\_94} + X_{15\_104} + X_{15\_106}$   
 $+ X_{15\_116} +$   
 $X_{15\_123} + X_{15\_130} + X_{15\_139} + X_{15\_151} + X_{15\_158} + X_{15\_161} +$   
 $X_{15\_170} +$   
 $X_{15\_179} + X_{15\_186} + X_{15\_195} + X_{15\_205} + X_{15\_214} + X_{15\_224} +$   
 $X_{15\_226} +$   
 $X_{15\_236} \geq 1;$   
 [\_1249]  $X_{15\_7} + X_{15\_12} + X_{15\_20} + X_{15\_29} + X_{15\_37} + X_{15\_44} +$   
 $X_{15\_51} +$   
 $X_{15\_57} + X_{15\_66} + X_{15\_74} + X_{15\_83} + X_{15\_90} + X_{15\_98} + X_{15\_111}$   
 $+ X_{15\_118} +$



$X_{15\_127} + X_{15\_132} + X_{15\_140} + X_{15\_149} + X_{15\_157} + X_{15\_164} + X_{15\_171} +$   
 $X_{15\_177} + X_{15\_186} + X_{15\_194} + X_{15\_203} + X_{15\_210} + X_{15\_218} + X_{15\_231} +$   
 $X_{15\_238} \geq 1;$   
 [\_1250]  $X_{15\_4} + X_{15\_9} + X_{15\_23} + X_{15\_32} + X_{15\_33} + X_{15\_43} + X_{15\_51} + X_{15\_60}$   
 $+ X_{15\_65} + X_{15\_76} + X_{15\_87} + X_{15\_94} + X_{15\_103} + X_{15\_105} + X_{15\_114} +$   
 $X_{15\_124} + X_{15\_129} + X_{15\_143} + X_{15\_152} + X_{15\_153} + X_{15\_163} + X_{15\_171} +$   
 $X_{15\_180} + X_{15\_185} + X_{15\_196} + X_{15\_207} + X_{15\_214} + X_{15\_223} + X_{15\_225} +$   
 $X_{15\_234} \geq 1;$   
 [\_1251]  $X_{15\_2} + X_{15\_11} + X_{15\_17} + X_{15\_28} + X_{15\_34} + X_{15\_47} + X_{15\_56} +$   
 $X_{15\_64} + X_{15\_69} + X_{15\_76} + X_{15\_83} + X_{15\_91} + X_{15\_97} + X_{15\_107} + X_{15\_116} +$   
 $X_{15\_122} + X_{15\_131} + X_{15\_137} + X_{15\_148} + X_{15\_154} + X_{15\_167} + X_{15\_176} +$   
 $X_{15\_184} + X_{15\_189} + X_{15\_196} + X_{15\_203} + X_{15\_211} + X_{15\_217} + X_{15\_227} +$   
 $X_{15\_236} \geq 1;$   
 [\_1252]  $X_{15\_8} + X_{15\_11} + X_{15\_20} + X_{15\_26} + X_{15\_36} + X_{15\_43} + X_{15\_52} +$   
 $X_{15\_59} + X_{15\_72} + X_{15\_73} + X_{15\_86} + X_{15\_95} + X_{15\_102} + X_{15\_110} + X_{15\_120} +$   
 $X_{15\_128} + X_{15\_131} + X_{15\_140} + X_{15\_146} + X_{15\_156} + X_{15\_163} + X_{15\_172} +$   
 $X_{15\_179} + X_{15\_192} + X_{15\_193} + X_{15\_206} + X_{15\_215} + X_{15\_222} + X_{15\_230} +$   
 $X_{15\_240} \geq 1;$   
 [\_1253]  $X_{15\_5} + X_{15\_14} + X_{15\_21} + X_{15\_25} + X_{15\_40} + X_{15\_45} + X_{15\_52} +$   
 $X_{15\_57} + X_{15\_68} + X_{15\_80} + X_{15\_87} + X_{15\_96} + X_{15\_104} + X_{15\_107} + X_{15\_113} +$   
 $X_{15\_125} + X_{15\_134} + X_{15\_141} + X_{15\_145} + X_{15\_160} + X_{15\_165} + X_{15\_172} +$   
 $X_{15\_177} + X_{15\_188} + X_{15\_200} + X_{15\_207} + X_{15\_216} + X_{15\_224} + X_{15\_227} +$   
 $X_{15\_233} \geq 1;$   
 [\_1254]  $X_{15\_2} + X_{15\_13} + X_{15\_22} + X_{15\_30} + X_{15\_35} + X_{15\_48} + X_{15\_55} +$   
 $X_{15\_61} + X_{15\_72} + X_{15\_74} + X_{15\_84} + X_{15\_96} + X_{15\_103} + X_{15\_106} + X_{15\_115} +$   
 $X_{15\_122} + X_{15\_133} + X_{15\_142} + X_{15\_150} + X_{15\_155} + X_{15\_168} + X_{15\_175} +$   
 $X_{15\_181} + X_{15\_192} + X_{15\_194} + X_{15\_204} + X_{15\_216} + X_{15\_223} + X_{15\_226} +$   
 $X_{15\_235} \geq 1;$   
 [\_1255]  $X_{15\_4} + X_{15\_14} + X_{15\_19} + X_{15\_30} + X_{15\_34} + X_{15\_46} + X_{15\_49} +$   
 $X_{15\_58} + X_{15\_67} + X_{15\_78} + X_{15\_81} + X_{15\_95} + X_{15\_98} + X_{15\_109} + X_{15\_119} +$   
 $X_{15\_124} + X_{15\_134} + X_{15\_139} + X_{15\_150} + X_{15\_154} + X_{15\_166} + X_{15\_169} +$

$X_{15\_178} + X_{15\_187} + X_{15\_198} + X_{15\_201} + X_{15\_215} + X_{15\_218} + X_{15\_229} + X_{15\_239} \geq 1;$   
 [\_1256]  $X_{15\_5} + X_{15\_10} + X_{15\_22} + X_{15\_28} + X_{15\_39} + X_{15\_42} + X_{15\_49} + X_{15\_63} + X_{15\_70} + X_{15\_77} + X_{15\_86} + X_{15\_90} + X_{15\_99} + X_{15\_108} + X_{15\_114} + X_{15\_125} + X_{15\_130} + X_{15\_142} + X_{15\_148} + X_{15\_159} + X_{15\_162} + X_{15\_169} + X_{15\_183} + X_{15\_190} + X_{15\_197} + X_{15\_206} + X_{15\_210} + X_{15\_219} + X_{15\_228} + X_{15\_234} \geq 1;$   
 [\_1257]  $X_{15\_1} + X_{15\_9} + X_{15\_21} + X_{15\_31} + X_{15\_35} + X_{15\_47} + X_{15\_53} + X_{15\_63} + X_{15\_67} + X_{15\_79} + X_{15\_88} + X_{15\_93} + X_{15\_102} + X_{15\_111} + X_{15\_117} + X_{15\_121} + X_{15\_129} + X_{15\_141} + X_{15\_151} + X_{15\_155} + X_{15\_167} + X_{15\_173} + X_{15\_183} + X_{15\_187} + X_{15\_199} + X_{15\_208} + X_{15\_213} + X_{15\_222} + X_{15\_231} + X_{15\_237} \geq 1;$   
 [\_1258]  $X_{15\_6} + X_{15\_16} + X_{15\_18} + X_{15\_26} + X_{15\_37} + X_{15\_42} + X_{15\_54} + X_{15\_60} + X_{15\_68} + X_{15\_75} + X_{15\_84} + X_{15\_91} + X_{15\_101} + X_{15\_109} + X_{15\_117} + X_{15\_126} + X_{15\_136} + X_{15\_138} + X_{15\_146} + X_{15\_157} + X_{15\_162} + X_{15\_174} + X_{15\_180} + X_{15\_188} + X_{15\_195} + X_{15\_204} + X_{15\_211} + X_{15\_221} + X_{15\_229} + X_{15\_237} \geq 1;$   
 [\_1259]  $X_{15\_1} + X_{15\_15} + X_{15\_24} + X_{15\_27} + X_{15\_36} + X_{15\_44} + X_{15\_54} + X_{15\_61} + X_{15\_65} + X_{15\_80} + X_{15\_85} + X_{15\_92} + X_{15\_97} + X_{15\_108} + X_{15\_119} + X_{15\_121} + X_{15\_135} + X_{15\_144} + X_{15\_147} + X_{15\_156} + X_{15\_164} + X_{15\_174} + X_{15\_181} + X_{15\_185} + X_{15\_200} + X_{15\_205} + X_{15\_212} + X_{15\_217} + X_{15\_228} + X_{15\_239} \geq 1;$   
 [\_1260]  $X_{15\_6} + X_{15\_15} + X_{15\_23} + X_{15\_25} + X_{15\_38} + X_{15\_48} + X_{15\_56} + X_{15\_62} + X_{15\_70} + X_{15\_78} + X_{15\_88} + X_{15\_89} + X_{15\_100} + X_{15\_110} + X_{15\_118} + X_{15\_126} + X_{15\_135} + X_{15\_143} + X_{15\_145} + X_{15\_158} + X_{15\_168} + X_{15\_176} + X_{15\_182} + X_{15\_190} + X_{15\_198} + X_{15\_208} + X_{15\_209} + X_{15\_220} + X_{15\_230} + X_{15\_238} \geq 1;$   
 [\_1261]  $X_{15\_8} + X_{15\_12} + X_{15\_18} + X_{15\_27} + X_{15\_33} + X_{15\_45} + X_{15\_50} + X_{15\_58} + X_{15\_69} + X_{15\_77} + X_{15\_82} + X_{15\_93} + X_{15\_100} + X_{15\_112} + X_{15\_115} + X_{15\_128} + X_{15\_132} + X_{15\_138} + X_{15\_147} + X_{15\_153} + X_{15\_165} + X_{15\_170} + X_{15\_178} + X_{15\_189} + X_{15\_197} + X_{15\_202} + X_{15\_213} + X_{15\_220} + X_{15\_232} + X_{15\_235} \geq 1;$

[\_1262] X\_15\_7 + X\_15\_16 + X\_15\_24 + X\_15\_32 + X\_15\_40 + X\_15\_41 +  
 X\_15\_55 +  
 X\_15\_64 + X\_15\_71 + X\_15\_79 + X\_15\_81 + X\_15\_89 + X\_15\_99 + X\_15\_112  
 + X\_15\_120 +  
 X\_15\_127 + X\_15\_136 + X\_15\_144 + X\_15\_152 + X\_15\_160 + X\_15\_161 +  
 X\_15\_175 +  
 X\_15\_184 + X\_15\_191 + X\_15\_199 + X\_15\_201 + X\_15\_209 + X\_15\_219 +  
 X\_15\_232 +  
 X\_15\_240 >= 1;  
 [\_1263] X\_15\_3 + X\_15\_13 + X\_15\_17 + X\_15\_29 + X\_15\_39 + X\_15\_46 +  
 X\_15\_53 +  
 X\_15\_62 + X\_15\_71 + X\_15\_73 + X\_15\_82 + X\_15\_92 + X\_15\_101 + X\_15\_105  
 + X\_15\_113 +  
 X\_15\_123 + X\_15\_133 + X\_15\_137 + X\_15\_149 + X\_15\_159 + X\_15\_166 +  
 X\_15\_173 +  
 X\_15\_182 + X\_15\_191 + X\_15\_193 + X\_15\_202 + X\_15\_212 + X\_15\_221 +  
 X\_15\_225 +  
 X\_15\_233 >= 1;  
 [\_1264] X\_16\_3 + X\_16\_10 + X\_16\_19 + X\_16\_31 + X\_16\_38 + X\_16\_41 +  
 X\_16\_50 +  
 X\_16\_59 + X\_16\_66 + X\_16\_75 + X\_16\_85 + X\_16\_94 + X\_16\_104 + X\_16\_106  
 + X\_16\_116 +  
 X\_16\_123 + X\_16\_130 + X\_16\_139 + X\_16\_151 + X\_16\_158 + X\_16\_161 +  
 X\_16\_170 +  
 X\_16\_179 + X\_16\_186 + X\_16\_195 + X\_16\_205 + X\_16\_214 + X\_16\_224 +  
 X\_16\_226 +  
 X\_16\_236 >= 1;  
 [\_1265] X\_16\_7 + X\_16\_12 + X\_16\_20 + X\_16\_29 + X\_16\_37 + X\_16\_44 +  
 X\_16\_51 +  
 X\_16\_57 + X\_16\_66 + X\_16\_74 + X\_16\_83 + X\_16\_90 + X\_16\_98 + X\_16\_111  
 + X\_16\_118 +  
 X\_16\_127 + X\_16\_132 + X\_16\_140 + X\_16\_149 + X\_16\_157 + X\_16\_164 +  
 X\_16\_171 +  
 X\_16\_177 + X\_16\_186 + X\_16\_194 + X\_16\_203 + X\_16\_210 + X\_16\_218 +  
 X\_16\_231 +  
 X\_16\_238 >= 1;  
 [\_1266] X\_16\_4 + X\_16\_9 + X\_16\_23 + X\_16\_32 + X\_16\_33 + X\_16\_43 +  
 X\_16\_51 + X\_16\_60  
 + X\_16\_65 + X\_16\_76 + X\_16\_87 + X\_16\_94 + X\_16\_103 + X\_16\_105 +  
 X\_16\_114 +  
 X\_16\_124 + X\_16\_129 + X\_16\_143 + X\_16\_152 + X\_16\_153 + X\_16\_163 +  
 X\_16\_171 +  
 X\_16\_180 + X\_16\_185 + X\_16\_196 + X\_16\_207 + X\_16\_214 + X\_16\_223 +  
 X\_16\_225 +  
 X\_16\_234 >= 1;  
 [\_1267] X\_16\_2 + X\_16\_11 + X\_16\_17 + X\_16\_28 + X\_16\_34 + X\_16\_47 +  
 X\_16\_56 +  
 X\_16\_64 + X\_16\_69 + X\_16\_76 + X\_16\_83 + X\_16\_91 + X\_16\_97 + X\_16\_107  
 + X\_16\_116 +  
 X\_16\_122 + X\_16\_131 + X\_16\_137 + X\_16\_148 + X\_16\_154 + X\_16\_167 +  
 X\_16\_176 +  
 X\_16\_184 + X\_16\_189 + X\_16\_196 + X\_16\_203 + X\_16\_211 + X\_16\_217 +  
 X\_16\_227 +  
 X\_16\_236 >= 1;  
 [\_1268] X\_16\_8 + X\_16\_11 + X\_16\_20 + X\_16\_26 + X\_16\_36 + X\_16\_43 +  
 X\_16\_52 +

$X_{16\_59} + X_{16\_72} + X_{16\_73} + X_{16\_86} + X_{16\_95} + X_{16\_102} + X_{16\_110}$   
 $+ X_{16\_120} +$   
 $X_{16\_128} + X_{16\_131} + X_{16\_140} + X_{16\_146} + X_{16\_156} + X_{16\_163} +$   
 $X_{16\_172} +$   
 $X_{16\_179} + X_{16\_192} + X_{16\_193} + X_{16\_206} + X_{16\_215} + X_{16\_222} +$   
 $X_{16\_230} +$   
 $X_{16\_240} \geq 1;$   
 $[_{1269}] X_{16\_5} + X_{16\_14} + X_{16\_21} + X_{16\_25} + X_{16\_40} + X_{16\_45} +$   
 $X_{16\_52} +$   
 $X_{16\_57} + X_{16\_68} + X_{16\_80} + X_{16\_87} + X_{16\_96} + X_{16\_104} + X_{16\_107}$   
 $+ X_{16\_113} +$   
 $X_{16\_125} + X_{16\_134} + X_{16\_141} + X_{16\_145} + X_{16\_160} + X_{16\_165} +$   
 $X_{16\_172} +$   
 $X_{16\_177} + X_{16\_188} + X_{16\_200} + X_{16\_207} + X_{16\_216} + X_{16\_224} +$   
 $X_{16\_227} +$   
 $X_{16\_233} \geq 1;$   
 $[_{1270}] X_{16\_2} + X_{16\_13} + X_{16\_22} + X_{16\_30} + X_{16\_35} + X_{16\_48} +$   
 $X_{16\_55} +$   
 $X_{16\_61} + X_{16\_72} + X_{16\_74} + X_{16\_84} + X_{16\_96} + X_{16\_103} + X_{16\_106}$   
 $+ X_{16\_115} +$   
 $X_{16\_122} + X_{16\_133} + X_{16\_142} + X_{16\_150} + X_{16\_155} + X_{16\_168} +$   
 $X_{16\_175} +$   
 $X_{16\_181} + X_{16\_192} + X_{16\_194} + X_{16\_204} + X_{16\_216} + X_{16\_223} +$   
 $X_{16\_226} +$   
 $X_{16\_235} \geq 1;$   
 $[_{1271}] X_{16\_4} + X_{16\_14} + X_{16\_19} + X_{16\_30} + X_{16\_34} + X_{16\_46} +$   
 $X_{16\_49} +$   
 $X_{16\_58} + X_{16\_67} + X_{16\_78} + X_{16\_81} + X_{16\_95} + X_{16\_98} + X_{16\_109}$   
 $+ X_{16\_119} +$   
 $X_{16\_124} + X_{16\_134} + X_{16\_139} + X_{16\_150} + X_{16\_154} + X_{16\_166} +$   
 $X_{16\_169} +$   
 $X_{16\_178} + X_{16\_187} + X_{16\_198} + X_{16\_201} + X_{16\_215} + X_{16\_218} +$   
 $X_{16\_229} +$   
 $X_{16\_239} \geq 1;$   
 $[_{1272}] X_{16\_5} + X_{16\_10} + X_{16\_22} + X_{16\_28} + X_{16\_39} + X_{16\_42} +$   
 $X_{16\_49} +$   
 $X_{16\_63} + X_{16\_70} + X_{16\_77} + X_{16\_86} + X_{16\_90} + X_{16\_99} + X_{16\_108}$   
 $+ X_{16\_114} +$   
 $X_{16\_125} + X_{16\_130} + X_{16\_142} + X_{16\_148} + X_{16\_159} + X_{16\_162} +$   
 $X_{16\_169} +$   
 $X_{16\_183} + X_{16\_190} + X_{16\_197} + X_{16\_206} + X_{16\_210} + X_{16\_219} +$   
 $X_{16\_228} +$   
 $X_{16\_234} \geq 1;$   
 $[_{1273}] X_{16\_1} + X_{16\_9} + X_{16\_21} + X_{16\_31} + X_{16\_35} + X_{16\_47} +$   
 $X_{16\_53} + X_{16\_63}$   
 $+ X_{16\_67} + X_{16\_79} + X_{16\_88} + X_{16\_93} + X_{16\_102} + X_{16\_111} +$   
 $X_{16\_117} +$   
 $X_{16\_121} + X_{16\_129} + X_{16\_141} + X_{16\_151} + X_{16\_155} + X_{16\_167} +$   
 $X_{16\_173} +$   
 $X_{16\_183} + X_{16\_187} + X_{16\_199} + X_{16\_208} + X_{16\_213} + X_{16\_222} +$   
 $X_{16\_231} +$   
 $X_{16\_237} \geq 1;$   
 $[_{1274}] X_{16\_6} + X_{16\_16} + X_{16\_18} + X_{16\_26} + X_{16\_37} + X_{16\_42} +$   
 $X_{16\_54} +$   
 $X_{16\_60} + X_{16\_68} + X_{16\_75} + X_{16\_84} + X_{16\_91} + X_{16\_101} + X_{16\_109}$   
 $+ X_{16\_117} +$

$X_{16\_126} + X_{16\_136} + X_{16\_138} + X_{16\_146} + X_{16\_157} + X_{16\_162} + X_{16\_174} +$   
 $X_{16\_180} + X_{16\_188} + X_{16\_195} + X_{16\_204} + X_{16\_211} + X_{16\_221} + X_{16\_229} +$   
 $X_{16\_237} \geq 1;$   
 [\_1275]  $X_{16\_1} + X_{16\_15} + X_{16\_24} + X_{16\_27} + X_{16\_36} + X_{16\_44} + X_{16\_54} +$   
 $X_{16\_61} + X_{16\_65} + X_{16\_80} + X_{16\_85} + X_{16\_92} + X_{16\_97} + X_{16\_108} + X_{16\_119} +$   
 $X_{16\_121} + X_{16\_135} + X_{16\_144} + X_{16\_147} + X_{16\_156} + X_{16\_164} + X_{16\_174} +$   
 $X_{16\_181} + X_{16\_185} + X_{16\_200} + X_{16\_205} + X_{16\_212} + X_{16\_217} + X_{16\_228} +$   
 $X_{16\_239} \geq 1;$   
 [\_1276]  $X_{16\_6} + X_{16\_15} + X_{16\_23} + X_{16\_25} + X_{16\_38} + X_{16\_48} + X_{16\_56} +$   
 $X_{16\_62} + X_{16\_70} + X_{16\_78} + X_{16\_88} + X_{16\_89} + X_{16\_100} + X_{16\_110} + X_{16\_118} +$   
 $X_{16\_126} + X_{16\_135} + X_{16\_143} + X_{16\_145} + X_{16\_158} + X_{16\_168} + X_{16\_176} +$   
 $X_{16\_182} + X_{16\_190} + X_{16\_198} + X_{16\_208} + X_{16\_209} + X_{16\_220} + X_{16\_230} +$   
 $X_{16\_238} \geq 1;$   
 [\_1277]  $X_{16\_8} + X_{16\_12} + X_{16\_18} + X_{16\_27} + X_{16\_33} + X_{16\_45} + X_{16\_50} +$   
 $X_{16\_58} + X_{16\_69} + X_{16\_77} + X_{16\_82} + X_{16\_93} + X_{16\_100} + X_{16\_112} + X_{16\_115} +$   
 $X_{16\_128} + X_{16\_132} + X_{16\_138} + X_{16\_147} + X_{16\_153} + X_{16\_165} + X_{16\_170} +$   
 $X_{16\_178} + X_{16\_189} + X_{16\_197} + X_{16\_202} + X_{16\_213} + X_{16\_220} + X_{16\_232} +$   
 $X_{16\_235} \geq 1;$   
 [\_1278]  $X_{16\_7} + X_{16\_16} + X_{16\_24} + X_{16\_32} + X_{16\_40} + X_{16\_41} + X_{16\_55} +$   
 $X_{16\_64} + X_{16\_71} + X_{16\_79} + X_{16\_81} + X_{16\_89} + X_{16\_99} + X_{16\_112} + X_{16\_120} +$   
 $X_{16\_127} + X_{16\_136} + X_{16\_144} + X_{16\_152} + X_{16\_160} + X_{16\_161} + X_{16\_175} +$   
 $X_{16\_184} + X_{16\_191} + X_{16\_199} + X_{16\_201} + X_{16\_209} + X_{16\_219} + X_{16\_232} +$   
 $X_{16\_240} \geq 1;$   
 [\_1279]  $X_{16\_3} + X_{16\_13} + X_{16\_17} + X_{16\_29} + X_{16\_39} + X_{16\_46} + X_{16\_53} +$   
 $X_{16\_62} + X_{16\_71} + X_{16\_73} + X_{16\_82} + X_{16\_92} + X_{16\_101} + X_{16\_105} + X_{16\_113} +$   
 $X_{16\_123} + X_{16\_133} + X_{16\_137} + X_{16\_149} + X_{16\_159} + X_{16\_166} + X_{16\_173} +$   
 $X_{16\_182} + X_{16\_191} + X_{16\_193} + X_{16\_202} + X_{16\_212} + X_{16\_221} + X_{16\_225} +$   
 $X_{16\_233} \geq 1;$   
 [\_1280]  $X_{17\_3} + X_{17\_10} + X_{17\_19} + X_{17\_31} + X_{17\_38} + X_{17\_41} + X_{17\_50} +$   
 $X_{17\_59} + X_{17\_66} + X_{17\_75} + X_{17\_85} + X_{17\_94} + X_{17\_104} + X_{17\_106} + X_{17\_116} +$   
 $X_{17\_123} + X_{17\_130} + X_{17\_139} + X_{17\_151} + X_{17\_158} + X_{17\_161} + X_{17\_170} +$

$X_{17\_179} + X_{17\_186} + X_{17\_195} + X_{17\_205} + X_{17\_214} + X_{17\_224} + X_{17\_226} + X_{17\_236} \geq 1;$   
 [\_1281]  $X_{17\_7} + X_{17\_12} + X_{17\_20} + X_{17\_29} + X_{17\_37} + X_{17\_44} + X_{17\_51} + X_{17\_57} + X_{17\_66} + X_{17\_74} + X_{17\_83} + X_{17\_90} + X_{17\_98} + X_{17\_111} + X_{17\_118} + X_{17\_127} + X_{17\_132} + X_{17\_140} + X_{17\_149} + X_{17\_157} + X_{17\_164} + X_{17\_171} + X_{17\_177} + X_{17\_186} + X_{17\_194} + X_{17\_203} + X_{17\_210} + X_{17\_218} + X_{17\_231} + X_{17\_238} \geq 1;$   
 [\_1282]  $X_{17\_4} + X_{17\_9} + X_{17\_23} + X_{17\_32} + X_{17\_33} + X_{17\_43} + X_{17\_51} + X_{17\_60} + X_{17\_65} + X_{17\_76} + X_{17\_87} + X_{17\_94} + X_{17\_103} + X_{17\_105} + X_{17\_114} + X_{17\_124} + X_{17\_129} + X_{17\_143} + X_{17\_152} + X_{17\_153} + X_{17\_163} + X_{17\_171} + X_{17\_180} + X_{17\_185} + X_{17\_196} + X_{17\_207} + X_{17\_214} + X_{17\_223} + X_{17\_225} + X_{17\_234} \geq 1;$   
 [\_1283]  $X_{17\_2} + X_{17\_11} + X_{17\_17} + X_{17\_28} + X_{17\_34} + X_{17\_47} + X_{17\_56} + X_{17\_64} + X_{17\_69} + X_{17\_76} + X_{17\_83} + X_{17\_91} + X_{17\_97} + X_{17\_107} + X_{17\_116} + X_{17\_122} + X_{17\_131} + X_{17\_137} + X_{17\_148} + X_{17\_154} + X_{17\_167} + X_{17\_176} + X_{17\_184} + X_{17\_189} + X_{17\_196} + X_{17\_203} + X_{17\_211} + X_{17\_217} + X_{17\_227} + X_{17\_236} \geq 1;$   
 [\_1284]  $X_{17\_8} + X_{17\_11} + X_{17\_20} + X_{17\_26} + X_{17\_36} + X_{17\_43} + X_{17\_52} + X_{17\_59} + X_{17\_72} + X_{17\_73} + X_{17\_86} + X_{17\_95} + X_{17\_102} + X_{17\_110} + X_{17\_120} + X_{17\_128} + X_{17\_131} + X_{17\_140} + X_{17\_146} + X_{17\_156} + X_{17\_163} + X_{17\_172} + X_{17\_179} + X_{17\_192} + X_{17\_193} + X_{17\_206} + X_{17\_215} + X_{17\_222} + X_{17\_230} + X_{17\_240} \geq 1;$   
 [\_1285]  $X_{17\_5} + X_{17\_14} + X_{17\_21} + X_{17\_25} + X_{17\_40} + X_{17\_45} + X_{17\_52} + X_{17\_57} + X_{17\_68} + X_{17\_80} + X_{17\_87} + X_{17\_96} + X_{17\_104} + X_{17\_107} + X_{17\_113} + X_{17\_125} + X_{17\_134} + X_{17\_141} + X_{17\_145} + X_{17\_160} + X_{17\_165} + X_{17\_172} + X_{17\_177} + X_{17\_188} + X_{17\_200} + X_{17\_207} + X_{17\_216} + X_{17\_224} + X_{17\_227} + X_{17\_233} \geq 1;$   
 [\_1286]  $X_{17\_2} + X_{17\_13} + X_{17\_22} + X_{17\_30} + X_{17\_35} + X_{17\_48} + X_{17\_55} + X_{17\_61} + X_{17\_72} + X_{17\_74} + X_{17\_84} + X_{17\_96} + X_{17\_103} + X_{17\_106} + X_{17\_115} + X_{17\_122} + X_{17\_133} + X_{17\_142} + X_{17\_150} + X_{17\_155} + X_{17\_168} + X_{17\_175} + X_{17\_181} + X_{17\_192} + X_{17\_194} + X_{17\_204} + X_{17\_216} + X_{17\_223} + X_{17\_226} + X_{17\_235} \geq 1;$

[\_1287] X\_17\_4 + X\_17\_14 + X\_17\_19 + X\_17\_30 + X\_17\_34 + X\_17\_46 +  
 X\_17\_49 +  
 X\_17\_58 + X\_17\_67 + X\_17\_78 + X\_17\_81 + X\_17\_95 + X\_17\_98 + X\_17\_109  
 + X\_17\_119 +  
 X\_17\_124 + X\_17\_134 + X\_17\_139 + X\_17\_150 + X\_17\_154 + X\_17\_166 +  
 X\_17\_169 +  
 X\_17\_178 + X\_17\_187 + X\_17\_198 + X\_17\_201 + X\_17\_215 + X\_17\_218 +  
 X\_17\_229 +  
 X\_17\_239 >= 1;  
 [\_1288] X\_17\_5 + X\_17\_10 + X\_17\_22 + X\_17\_28 + X\_17\_39 + X\_17\_42 +  
 X\_17\_49 +  
 X\_17\_63 + X\_17\_70 + X\_17\_77 + X\_17\_86 + X\_17\_90 + X\_17\_99 + X\_17\_108  
 + X\_17\_114 +  
 X\_17\_125 + X\_17\_130 + X\_17\_142 + X\_17\_148 + X\_17\_159 + X\_17\_162 +  
 X\_17\_169 +  
 X\_17\_183 + X\_17\_190 + X\_17\_197 + X\_17\_206 + X\_17\_210 + X\_17\_219 +  
 X\_17\_228 +  
 X\_17\_234 >= 1;  
 [\_1289] X\_17\_1 + X\_17\_9 + X\_17\_21 + X\_17\_31 + X\_17\_35 + X\_17\_47 +  
 X\_17\_53 + X\_17\_63  
 + X\_17\_67 + X\_17\_79 + X\_17\_88 + X\_17\_93 + X\_17\_102 + X\_17\_111 +  
 X\_17\_117 +  
 X\_17\_121 + X\_17\_129 + X\_17\_141 + X\_17\_151 + X\_17\_155 + X\_17\_167 +  
 X\_17\_173 +  
 X\_17\_183 + X\_17\_187 + X\_17\_199 + X\_17\_208 + X\_17\_213 + X\_17\_222 +  
 X\_17\_231 +  
 X\_17\_237 >= 1;  
 [\_1290] X\_17\_6 + X\_17\_16 + X\_17\_18 + X\_17\_26 + X\_17\_37 + X\_17\_42 +  
 X\_17\_54 +  
 X\_17\_60 + X\_17\_68 + X\_17\_75 + X\_17\_84 + X\_17\_91 + X\_17\_101 + X\_17\_109  
 + X\_17\_117 +  
 X\_17\_126 + X\_17\_136 + X\_17\_138 + X\_17\_146 + X\_17\_157 + X\_17\_162 +  
 X\_17\_174 +  
 X\_17\_180 + X\_17\_188 + X\_17\_195 + X\_17\_204 + X\_17\_211 + X\_17\_221 +  
 X\_17\_229 +  
 X\_17\_237 >= 1;  
 [\_1291] X\_17\_1 + X\_17\_15 + X\_17\_24 + X\_17\_27 + X\_17\_36 + X\_17\_44 +  
 X\_17\_54 +  
 X\_17\_61 + X\_17\_65 + X\_17\_80 + X\_17\_85 + X\_17\_92 + X\_17\_97 + X\_17\_108  
 + X\_17\_119 +  
 X\_17\_121 + X\_17\_135 + X\_17\_144 + X\_17\_147 + X\_17\_156 + X\_17\_164 +  
 X\_17\_174 +  
 X\_17\_181 + X\_17\_185 + X\_17\_200 + X\_17\_205 + X\_17\_212 + X\_17\_217 +  
 X\_17\_228 +  
 X\_17\_239 >= 1;  
 [\_1292] X\_17\_6 + X\_17\_15 + X\_17\_23 + X\_17\_25 + X\_17\_38 + X\_17\_48 +  
 X\_17\_56 +  
 X\_17\_62 + X\_17\_70 + X\_17\_78 + X\_17\_88 + X\_17\_89 + X\_17\_100 + X\_17\_110  
 + X\_17\_118 +  
 X\_17\_126 + X\_17\_135 + X\_17\_143 + X\_17\_145 + X\_17\_158 + X\_17\_168 +  
 X\_17\_176 +  
 X\_17\_182 + X\_17\_190 + X\_17\_198 + X\_17\_208 + X\_17\_209 + X\_17\_220 +  
 X\_17\_230 +  
 X\_17\_238 >= 1;  
 [\_1293] X\_17\_8 + X\_17\_12 + X\_17\_18 + X\_17\_27 + X\_17\_33 + X\_17\_45 +  
 X\_17\_50 +

$X_{17\_58} + X_{17\_69} + X_{17\_77} + X_{17\_82} + X_{17\_93} + X_{17\_100} + X_{17\_112}$   
 $+ X_{17\_115} +$   
 $X_{17\_128} + X_{17\_132} + X_{17\_138} + X_{17\_147} + X_{17\_153} + X_{17\_165} +$   
 $X_{17\_170} +$   
 $X_{17\_178} + X_{17\_189} + X_{17\_197} + X_{17\_202} + X_{17\_213} + X_{17\_220} +$   
 $X_{17\_232} +$   
 $X_{17\_235} \geq 1;$   
 [\_1294]  $X_{17\_7} + X_{17\_16} + X_{17\_24} + X_{17\_32} + X_{17\_40} + X_{17\_41} +$   
 $X_{17\_55} +$   
 $X_{17\_64} + X_{17\_71} + X_{17\_79} + X_{17\_81} + X_{17\_89} + X_{17\_99} + X_{17\_112}$   
 $+ X_{17\_120} +$   
 $X_{17\_127} + X_{17\_136} + X_{17\_144} + X_{17\_152} + X_{17\_160} + X_{17\_161} +$   
 $X_{17\_175} +$   
 $X_{17\_184} + X_{17\_191} + X_{17\_199} + X_{17\_201} + X_{17\_209} + X_{17\_219} +$   
 $X_{17\_232} +$   
 $X_{17\_240} \geq 1;$   
 [\_1295]  $X_{17\_3} + X_{17\_13} + X_{17\_17} + X_{17\_29} + X_{17\_39} + X_{17\_46} +$   
 $X_{17\_53} +$   
 $X_{17\_62} + X_{17\_71} + X_{17\_73} + X_{17\_82} + X_{17\_92} + X_{17\_101} + X_{17\_105}$   
 $+ X_{17\_113} +$   
 $X_{17\_123} + X_{17\_133} + X_{17\_137} + X_{17\_149} + X_{17\_159} + X_{17\_166} +$   
 $X_{17\_173} +$   
 $X_{17\_182} + X_{17\_191} + X_{17\_193} + X_{17\_202} + X_{17\_212} + X_{17\_221} +$   
 $X_{17\_225} +$   
 $X_{17\_233} \geq 1;$   
 [\_1296]  $X_{18\_3} + X_{18\_10} + X_{18\_19} + X_{18\_31} + X_{18\_38} + X_{18\_41} +$   
 $X_{18\_50} +$   
 $X_{18\_59} + X_{18\_66} + X_{18\_75} + X_{18\_85} + X_{18\_94} + X_{18\_104} + X_{18\_106}$   
 $+ X_{18\_116} +$   
 $X_{18\_123} + X_{18\_130} + X_{18\_139} + X_{18\_151} + X_{18\_158} + X_{18\_161} +$   
 $X_{18\_170} +$   
 $X_{18\_179} + X_{18\_186} + X_{18\_195} + X_{18\_205} + X_{18\_214} + X_{18\_224} +$   
 $X_{18\_226} +$   
 $X_{18\_236} \geq 1;$   
 [\_1297]  $X_{18\_7} + X_{18\_12} + X_{18\_20} + X_{18\_29} + X_{18\_37} + X_{18\_44} +$   
 $X_{18\_51} +$   
 $X_{18\_57} + X_{18\_66} + X_{18\_74} + X_{18\_83} + X_{18\_90} + X_{18\_98} + X_{18\_111}$   
 $+ X_{18\_118} +$   
 $X_{18\_127} + X_{18\_132} + X_{18\_140} + X_{18\_149} + X_{18\_157} + X_{18\_164} +$   
 $X_{18\_171} +$   
 $X_{18\_177} + X_{18\_186} + X_{18\_194} + X_{18\_203} + X_{18\_210} + X_{18\_218} +$   
 $X_{18\_231} +$   
 $X_{18\_238} \geq 1;$   
 [\_1298]  $X_{18\_4} + X_{18\_9} + X_{18\_23} + X_{18\_32} + X_{18\_33} + X_{18\_43} +$   
 $X_{18\_51} + X_{18\_60}$   
 $+ X_{18\_65} + X_{18\_76} + X_{18\_87} + X_{18\_94} + X_{18\_103} + X_{18\_105} +$   
 $X_{18\_114} +$   
 $X_{18\_124} + X_{18\_129} + X_{18\_143} + X_{18\_152} + X_{18\_153} + X_{18\_163} +$   
 $X_{18\_171} +$   
 $X_{18\_180} + X_{18\_185} + X_{18\_196} + X_{18\_207} + X_{18\_214} + X_{18\_223} +$   
 $X_{18\_225} +$   
 $X_{18\_234} \geq 1;$   
 [\_1299]  $X_{18\_2} + X_{18\_11} + X_{18\_17} + X_{18\_28} + X_{18\_34} + X_{18\_47} +$   
 $X_{18\_56} +$   
 $X_{18\_64} + X_{18\_69} + X_{18\_76} + X_{18\_83} + X_{18\_91} + X_{18\_97} + X_{18\_107}$   
 $+ X_{18\_116} +$



$X_{18\_122} + X_{18\_131} + X_{18\_137} + X_{18\_148} + X_{18\_154} + X_{18\_167} + X_{18\_176} +$   
 $X_{18\_184} + X_{18\_189} + X_{18\_196} + X_{18\_203} + X_{18\_211} + X_{18\_217} + X_{18\_227} +$   
 $X_{18\_236} \geq 1;$   
 [\_1300]  $X_{18\_8} + X_{18\_11} + X_{18\_20} + X_{18\_26} + X_{18\_36} + X_{18\_43} + X_{18\_52} +$   
 $X_{18\_59} + X_{18\_72} + X_{18\_73} + X_{18\_86} + X_{18\_95} + X_{18\_102} + X_{18\_110} + X_{18\_120} +$   
 $X_{18\_128} + X_{18\_131} + X_{18\_140} + X_{18\_146} + X_{18\_156} + X_{18\_163} + X_{18\_172} +$   
 $X_{18\_179} + X_{18\_192} + X_{18\_193} + X_{18\_206} + X_{18\_215} + X_{18\_222} + X_{18\_230} +$   
 $X_{18\_240} \geq 1;$   
 [\_1301]  $X_{18\_5} + X_{18\_14} + X_{18\_21} + X_{18\_25} + X_{18\_40} + X_{18\_45} + X_{18\_52} +$   
 $X_{18\_57} + X_{18\_68} + X_{18\_80} + X_{18\_87} + X_{18\_96} + X_{18\_104} + X_{18\_107} + X_{18\_113} +$   
 $X_{18\_125} + X_{18\_134} + X_{18\_141} + X_{18\_145} + X_{18\_160} + X_{18\_165} + X_{18\_172} +$   
 $X_{18\_177} + X_{18\_188} + X_{18\_200} + X_{18\_207} + X_{18\_216} + X_{18\_224} + X_{18\_227} +$   
 $X_{18\_233} \geq 1;$   
 [\_1302]  $X_{18\_2} + X_{18\_13} + X_{18\_22} + X_{18\_30} + X_{18\_35} + X_{18\_48} + X_{18\_55} +$   
 $X_{18\_61} + X_{18\_72} + X_{18\_74} + X_{18\_84} + X_{18\_96} + X_{18\_103} + X_{18\_106} + X_{18\_115} +$   
 $X_{18\_122} + X_{18\_133} + X_{18\_142} + X_{18\_150} + X_{18\_155} + X_{18\_168} + X_{18\_175} +$   
 $X_{18\_181} + X_{18\_192} + X_{18\_194} + X_{18\_204} + X_{18\_216} + X_{18\_223} + X_{18\_226} +$   
 $X_{18\_235} \geq 1;$   
 [\_1303]  $X_{18\_4} + X_{18\_14} + X_{18\_19} + X_{18\_30} + X_{18\_34} + X_{18\_46} + X_{18\_49} +$   
 $X_{18\_58} + X_{18\_67} + X_{18\_78} + X_{18\_81} + X_{18\_95} + X_{18\_98} + X_{18\_109} + X_{18\_119} +$   
 $X_{18\_124} + X_{18\_134} + X_{18\_139} + X_{18\_150} + X_{18\_154} + X_{18\_166} + X_{18\_169} +$   
 $X_{18\_178} + X_{18\_187} + X_{18\_198} + X_{18\_201} + X_{18\_215} + X_{18\_218} + X_{18\_229} +$   
 $X_{18\_239} \geq 1;$   
 [\_1304]  $X_{18\_5} + X_{18\_10} + X_{18\_22} + X_{18\_28} + X_{18\_39} + X_{18\_42} + X_{18\_49} +$   
 $X_{18\_63} + X_{18\_70} + X_{18\_77} + X_{18\_86} + X_{18\_90} + X_{18\_99} + X_{18\_108} + X_{18\_114} +$   
 $X_{18\_125} + X_{18\_130} + X_{18\_142} + X_{18\_148} + X_{18\_159} + X_{18\_162} + X_{18\_169} +$   
 $X_{18\_183} + X_{18\_190} + X_{18\_197} + X_{18\_206} + X_{18\_210} + X_{18\_219} + X_{18\_228} +$   
 $X_{18\_234} \geq 1;$   
 [\_1305]  $X_{18\_1} + X_{18\_9} + X_{18\_21} + X_{18\_31} + X_{18\_35} + X_{18\_47} + X_{18\_53} + X_{18\_63} +$   
 $X_{18\_67} + X_{18\_79} + X_{18\_88} + X_{18\_93} + X_{18\_102} + X_{18\_111} + X_{18\_117} +$   
 $X_{18\_121} + X_{18\_129} + X_{18\_141} + X_{18\_151} + X_{18\_155} + X_{18\_167} + X_{18\_173} +$

$X_{18\_183} + X_{18\_187} + X_{18\_199} + X_{18\_208} + X_{18\_213} + X_{18\_222} + X_{18\_231} + X_{18\_237} \geq 1;$   
 [\_1306]  $X_{18\_6} + X_{18\_16} + X_{18\_18} + X_{18\_26} + X_{18\_37} + X_{18\_42} + X_{18\_54} + X_{18\_60} + X_{18\_68} + X_{18\_75} + X_{18\_84} + X_{18\_91} + X_{18\_101} + X_{18\_109} + X_{18\_117} + X_{18\_126} + X_{18\_136} + X_{18\_138} + X_{18\_146} + X_{18\_157} + X_{18\_162} + X_{18\_174} + X_{18\_180} + X_{18\_188} + X_{18\_195} + X_{18\_204} + X_{18\_211} + X_{18\_221} + X_{18\_229} + X_{18\_237} \geq 1;$   
 [\_1307]  $X_{18\_1} + X_{18\_15} + X_{18\_24} + X_{18\_27} + X_{18\_36} + X_{18\_44} + X_{18\_54} + X_{18\_61} + X_{18\_65} + X_{18\_80} + X_{18\_85} + X_{18\_92} + X_{18\_97} + X_{18\_108} + X_{18\_119} + X_{18\_121} + X_{18\_135} + X_{18\_144} + X_{18\_147} + X_{18\_156} + X_{18\_164} + X_{18\_174} + X_{18\_181} + X_{18\_185} + X_{18\_200} + X_{18\_205} + X_{18\_212} + X_{18\_217} + X_{18\_228} + X_{18\_239} \geq 1;$   
 [\_1308]  $X_{18\_6} + X_{18\_15} + X_{18\_23} + X_{18\_25} + X_{18\_38} + X_{18\_48} + X_{18\_56} + X_{18\_62} + X_{18\_70} + X_{18\_78} + X_{18\_88} + X_{18\_89} + X_{18\_100} + X_{18\_110} + X_{18\_118} + X_{18\_126} + X_{18\_135} + X_{18\_143} + X_{18\_145} + X_{18\_158} + X_{18\_168} + X_{18\_176} + X_{18\_182} + X_{18\_190} + X_{18\_198} + X_{18\_208} + X_{18\_209} + X_{18\_220} + X_{18\_230} + X_{18\_238} \geq 1;$   
 [\_1309]  $X_{18\_8} + X_{18\_12} + X_{18\_18} + X_{18\_27} + X_{18\_33} + X_{18\_45} + X_{18\_50} + X_{18\_58} + X_{18\_69} + X_{18\_77} + X_{18\_82} + X_{18\_93} + X_{18\_100} + X_{18\_112} + X_{18\_115} + X_{18\_128} + X_{18\_132} + X_{18\_138} + X_{18\_147} + X_{18\_153} + X_{18\_165} + X_{18\_170} + X_{18\_178} + X_{18\_189} + X_{18\_197} + X_{18\_202} + X_{18\_213} + X_{18\_220} + X_{18\_232} + X_{18\_235} \geq 1;$   
 [\_1310]  $X_{18\_7} + X_{18\_16} + X_{18\_24} + X_{18\_32} + X_{18\_40} + X_{18\_41} + X_{18\_55} + X_{18\_64} + X_{18\_71} + X_{18\_79} + X_{18\_81} + X_{18\_89} + X_{18\_99} + X_{18\_112} + X_{18\_120} + X_{18\_127} + X_{18\_136} + X_{18\_144} + X_{18\_152} + X_{18\_160} + X_{18\_161} + X_{18\_175} + X_{18\_184} + X_{18\_191} + X_{18\_199} + X_{18\_201} + X_{18\_209} + X_{18\_219} + X_{18\_232} + X_{18\_240} \geq 1;$   
 [\_1311]  $X_{18\_3} + X_{18\_13} + X_{18\_17} + X_{18\_29} + X_{18\_39} + X_{18\_46} + X_{18\_53} + X_{18\_62} + X_{18\_71} + X_{18\_73} + X_{18\_82} + X_{18\_92} + X_{18\_101} + X_{18\_105} + X_{18\_113} + X_{18\_123} + X_{18\_133} + X_{18\_137} + X_{18\_149} + X_{18\_159} + X_{18\_166} + X_{18\_173} + X_{18\_182} + X_{18\_191} + X_{18\_193} + X_{18\_202} + X_{18\_212} + X_{18\_221} + X_{18\_225} + X_{18\_233} \geq 1;$

[\_1312] X\_19\_3 + X\_19\_10 + X\_19\_19 + X\_19\_31 + X\_19\_38 + X\_19\_41 +  
 X\_19\_50 +  
 X\_19\_59 + X\_19\_66 + X\_19\_75 + X\_19\_85 + X\_19\_94 + X\_19\_104 + X\_19\_106  
 + X\_19\_116 +  
 X\_19\_123 + X\_19\_130 + X\_19\_139 + X\_19\_151 + X\_19\_158 + X\_19\_161 +  
 X\_19\_170 +  
 X\_19\_179 + X\_19\_186 + X\_19\_195 + X\_19\_205 + X\_19\_214 + X\_19\_224 +  
 X\_19\_226 +  
 X\_19\_236 >= 1;  
 [\_1313] X\_19\_7 + X\_19\_12 + X\_19\_20 + X\_19\_29 + X\_19\_37 + X\_19\_44 +  
 X\_19\_51 +  
 X\_19\_57 + X\_19\_66 + X\_19\_74 + X\_19\_83 + X\_19\_90 + X\_19\_98 + X\_19\_111  
 + X\_19\_118 +  
 X\_19\_127 + X\_19\_132 + X\_19\_140 + X\_19\_149 + X\_19\_157 + X\_19\_164 +  
 X\_19\_171 +  
 X\_19\_177 + X\_19\_186 + X\_19\_194 + X\_19\_203 + X\_19\_210 + X\_19\_218 +  
 X\_19\_231 +  
 X\_19\_238 >= 1;  
 [\_1314] X\_19\_4 + X\_19\_9 + X\_19\_23 + X\_19\_32 + X\_19\_33 + X\_19\_43 +  
 X\_19\_51 + X\_19\_60  
 + X\_19\_65 + X\_19\_76 + X\_19\_87 + X\_19\_94 + X\_19\_103 + X\_19\_105 +  
 X\_19\_114 +  
 X\_19\_124 + X\_19\_129 + X\_19\_143 + X\_19\_152 + X\_19\_153 + X\_19\_163 +  
 X\_19\_171 +  
 X\_19\_180 + X\_19\_185 + X\_19\_196 + X\_19\_207 + X\_19\_214 + X\_19\_223 +  
 X\_19\_225 +  
 X\_19\_234 >= 1;  
 [\_1315] X\_19\_2 + X\_19\_11 + X\_19\_17 + X\_19\_28 + X\_19\_34 + X\_19\_47 +  
 X\_19\_56 +  
 X\_19\_64 + X\_19\_69 + X\_19\_76 + X\_19\_83 + X\_19\_91 + X\_19\_97 + X\_19\_107  
 + X\_19\_116 +  
 X\_19\_122 + X\_19\_131 + X\_19\_137 + X\_19\_148 + X\_19\_154 + X\_19\_167 +  
 X\_19\_176 +  
 X\_19\_184 + X\_19\_189 + X\_19\_196 + X\_19\_203 + X\_19\_211 + X\_19\_217 +  
 X\_19\_227 +  
 X\_19\_236 >= 1;  
 [\_1316] X\_19\_8 + X\_19\_11 + X\_19\_20 + X\_19\_26 + X\_19\_36 + X\_19\_43 +  
 X\_19\_52 +  
 X\_19\_59 + X\_19\_72 + X\_19\_73 + X\_19\_86 + X\_19\_95 + X\_19\_102 + X\_19\_110  
 + X\_19\_120 +  
 X\_19\_128 + X\_19\_131 + X\_19\_140 + X\_19\_146 + X\_19\_156 + X\_19\_163 +  
 X\_19\_172 +  
 X\_19\_179 + X\_19\_192 + X\_19\_193 + X\_19\_206 + X\_19\_215 + X\_19\_222 +  
 X\_19\_230 +  
 X\_19\_240 >= 1;  
 [\_1317] X\_19\_5 + X\_19\_14 + X\_19\_21 + X\_19\_25 + X\_19\_40 + X\_19\_45 +  
 X\_19\_52 +  
 X\_19\_57 + X\_19\_68 + X\_19\_80 + X\_19\_87 + X\_19\_96 + X\_19\_104 + X\_19\_107  
 + X\_19\_113 +  
 X\_19\_125 + X\_19\_134 + X\_19\_141 + X\_19\_145 + X\_19\_160 + X\_19\_165 +  
 X\_19\_172 +  
 X\_19\_177 + X\_19\_188 + X\_19\_200 + X\_19\_207 + X\_19\_216 + X\_19\_224 +  
 X\_19\_227 +  
 X\_19\_233 >= 1;  
 [\_1318] X\_19\_2 + X\_19\_13 + X\_19\_22 + X\_19\_30 + X\_19\_35 + X\_19\_48 +  
 X\_19\_55 +

$X_{19\_61} + X_{19\_72} + X_{19\_74} + X_{19\_84} + X_{19\_96} + X_{19\_103} + X_{19\_106}$   
 $+ X_{19\_115} +$   
 $X_{19\_122} + X_{19\_133} + X_{19\_142} + X_{19\_150} + X_{19\_155} + X_{19\_168} +$   
 $X_{19\_175} +$   
 $X_{19\_181} + X_{19\_192} + X_{19\_194} + X_{19\_204} + X_{19\_216} + X_{19\_223} +$   
 $X_{19\_226} +$   
 $X_{19\_235} \geq 1;$   
 [\_1319]  $X_{19\_4} + X_{19\_14} + X_{19\_19} + X_{19\_30} + X_{19\_34} + X_{19\_46} +$   
 $X_{19\_49} +$   
 $X_{19\_58} + X_{19\_67} + X_{19\_78} + X_{19\_81} + X_{19\_95} + X_{19\_98} + X_{19\_109}$   
 $+ X_{19\_119} +$   
 $X_{19\_124} + X_{19\_134} + X_{19\_139} + X_{19\_150} + X_{19\_154} + X_{19\_166} +$   
 $X_{19\_169} +$   
 $X_{19\_178} + X_{19\_187} + X_{19\_198} + X_{19\_201} + X_{19\_215} + X_{19\_218} +$   
 $X_{19\_229} +$   
 $X_{19\_239} \geq 1;$   
 [\_1320]  $X_{19\_5} + X_{19\_10} + X_{19\_22} + X_{19\_28} + X_{19\_39} + X_{19\_42} +$   
 $X_{19\_49} +$   
 $X_{19\_63} + X_{19\_70} + X_{19\_77} + X_{19\_86} + X_{19\_90} + X_{19\_99} + X_{19\_108}$   
 $+ X_{19\_114} +$   
 $X_{19\_125} + X_{19\_130} + X_{19\_142} + X_{19\_148} + X_{19\_159} + X_{19\_162} +$   
 $X_{19\_169} +$   
 $X_{19\_183} + X_{19\_190} + X_{19\_197} + X_{19\_206} + X_{19\_210} + X_{19\_219} +$   
 $X_{19\_228} +$   
 $X_{19\_234} \geq 1;$   
 [\_1321]  $X_{19\_1} + X_{19\_9} + X_{19\_21} + X_{19\_31} + X_{19\_35} + X_{19\_47} +$   
 $X_{19\_53} + X_{19\_63}$   
 $+ X_{19\_67} + X_{19\_79} + X_{19\_88} + X_{19\_93} + X_{19\_102} + X_{19\_111} +$   
 $X_{19\_117} +$   
 $X_{19\_121} + X_{19\_129} + X_{19\_141} + X_{19\_151} + X_{19\_155} + X_{19\_167} +$   
 $X_{19\_173} +$   
 $X_{19\_183} + X_{19\_187} + X_{19\_199} + X_{19\_208} + X_{19\_213} + X_{19\_222} +$   
 $X_{19\_231} +$   
 $X_{19\_237} \geq 1;$   
 [\_1322]  $X_{19\_6} + X_{19\_16} + X_{19\_18} + X_{19\_26} + X_{19\_37} + X_{19\_42} +$   
 $X_{19\_54} +$   
 $X_{19\_60} + X_{19\_68} + X_{19\_75} + X_{19\_84} + X_{19\_91} + X_{19\_101} + X_{19\_109}$   
 $+ X_{19\_117} +$   
 $X_{19\_126} + X_{19\_136} + X_{19\_138} + X_{19\_146} + X_{19\_157} + X_{19\_162} +$   
 $X_{19\_174} +$   
 $X_{19\_180} + X_{19\_188} + X_{19\_195} + X_{19\_204} + X_{19\_211} + X_{19\_221} +$   
 $X_{19\_229} +$   
 $X_{19\_237} \geq 1;$   
 [\_1323]  $X_{19\_1} + X_{19\_15} + X_{19\_24} + X_{19\_27} + X_{19\_36} + X_{19\_44} +$   
 $X_{19\_54} +$   
 $X_{19\_61} + X_{19\_65} + X_{19\_80} + X_{19\_85} + X_{19\_92} + X_{19\_97} + X_{19\_108}$   
 $+ X_{19\_119} +$   
 $X_{19\_121} + X_{19\_135} + X_{19\_144} + X_{19\_147} + X_{19\_156} + X_{19\_164} +$   
 $X_{19\_174} +$   
 $X_{19\_181} + X_{19\_185} + X_{19\_200} + X_{19\_205} + X_{19\_212} + X_{19\_217} +$   
 $X_{19\_228} +$   
 $X_{19\_239} \geq 1;$   
 [\_1324]  $X_{19\_6} + X_{19\_15} + X_{19\_23} + X_{19\_25} + X_{19\_38} + X_{19\_48} +$   
 $X_{19\_56} +$   
 $X_{19\_62} + X_{19\_70} + X_{19\_78} + X_{19\_88} + X_{19\_89} + X_{19\_100} + X_{19\_110}$   
 $+ X_{19\_118} +$

$X_{19\_126} + X_{19\_135} + X_{19\_143} + X_{19\_145} + X_{19\_158} + X_{19\_168} +$   
 $X_{19\_176} +$   
 $X_{19\_182} + X_{19\_190} + X_{19\_198} + X_{19\_208} + X_{19\_209} + X_{19\_220} +$   
 $X_{19\_230} +$   
 $X_{19\_238} \geq 1;$   
 [\_1325]  $X_{19\_8} + X_{19\_12} + X_{19\_18} + X_{19\_27} + X_{19\_33} + X_{19\_45} +$   
 $X_{19\_50} +$   
 $X_{19\_58} + X_{19\_69} + X_{19\_77} + X_{19\_82} + X_{19\_93} + X_{19\_100} + X_{19\_112}$   
 $+ X_{19\_115} +$   
 $X_{19\_128} + X_{19\_132} + X_{19\_138} + X_{19\_147} + X_{19\_153} + X_{19\_165} +$   
 $X_{19\_170} +$   
 $X_{19\_178} + X_{19\_189} + X_{19\_197} + X_{19\_202} + X_{19\_213} + X_{19\_220} +$   
 $X_{19\_232} +$   
 $X_{19\_235} \geq 1;$   
 [\_1326]  $X_{19\_7} + X_{19\_16} + X_{19\_24} + X_{19\_32} + X_{19\_40} + X_{19\_41} +$   
 $X_{19\_55} +$   
 $X_{19\_64} + X_{19\_71} + X_{19\_79} + X_{19\_81} + X_{19\_89} + X_{19\_99} + X_{19\_112}$   
 $+ X_{19\_120} +$   
 $X_{19\_127} + X_{19\_136} + X_{19\_144} + X_{19\_152} + X_{19\_160} + X_{19\_161} +$   
 $X_{19\_175} +$   
 $X_{19\_184} + X_{19\_191} + X_{19\_199} + X_{19\_201} + X_{19\_209} + X_{19\_219} +$   
 $X_{19\_232} +$   
 $X_{19\_240} \geq 1;$   
 [\_1327]  $X_{19\_3} + X_{19\_13} + X_{19\_17} + X_{19\_29} + X_{19\_39} + X_{19\_46} +$   
 $X_{19\_53} +$   
 $X_{19\_62} + X_{19\_71} + X_{19\_73} + X_{19\_82} + X_{19\_92} + X_{19\_101} + X_{19\_105}$   
 $+ X_{19\_113} +$   
 $X_{19\_123} + X_{19\_133} + X_{19\_137} + X_{19\_149} + X_{19\_159} + X_{19\_166} +$   
 $X_{19\_173} +$   
 $X_{19\_182} + X_{19\_191} + X_{19\_193} + X_{19\_202} + X_{19\_212} + X_{19\_221} +$   
 $X_{19\_225} +$   
 $X_{19\_233} \geq 1;$   
 [\_1328]  $X_{20\_3} + X_{20\_10} + X_{20\_19} + X_{20\_31} + X_{20\_38} + X_{20\_41} +$   
 $X_{20\_50} +$   
 $X_{20\_59} + X_{20\_66} + X_{20\_75} + X_{20\_85} + X_{20\_94} + X_{20\_104} + X_{20\_106}$   
 $+ X_{20\_116} +$   
 $X_{20\_123} + X_{20\_130} + X_{20\_139} + X_{20\_151} + X_{20\_158} + X_{20\_161} +$   
 $X_{20\_170} +$   
 $X_{20\_179} + X_{20\_186} + X_{20\_195} + X_{20\_205} + X_{20\_214} + X_{20\_224} +$   
 $X_{20\_226} +$   
 $X_{20\_236} \geq 1;$   
 [\_1329]  $X_{20\_7} + X_{20\_12} + X_{20\_20} + X_{20\_29} + X_{20\_37} + X_{20\_44} +$   
 $X_{20\_51} +$   
 $X_{20\_57} + X_{20\_66} + X_{20\_74} + X_{20\_83} + X_{20\_90} + X_{20\_98} + X_{20\_111}$   
 $+ X_{20\_118} +$   
 $X_{20\_127} + X_{20\_132} + X_{20\_140} + X_{20\_149} + X_{20\_157} + X_{20\_164} +$   
 $X_{20\_171} +$   
 $X_{20\_177} + X_{20\_186} + X_{20\_194} + X_{20\_203} + X_{20\_210} + X_{20\_218} +$   
 $X_{20\_231} +$   
 $X_{20\_238} \geq 1;$   
 [\_1330]  $X_{20\_4} + X_{20\_9} + X_{20\_23} + X_{20\_32} + X_{20\_33} + X_{20\_43} +$   
 $X_{20\_51} + X_{20\_60}$   
 $+ X_{20\_65} + X_{20\_76} + X_{20\_87} + X_{20\_94} + X_{20\_103} + X_{20\_105} +$   
 $X_{20\_114} +$   
 $X_{20\_124} + X_{20\_129} + X_{20\_143} + X_{20\_152} + X_{20\_153} + X_{20\_163} +$   
 $X_{20\_171} +$

$X_{20\_180} + X_{20\_185} + X_{20\_196} + X_{20\_207} + X_{20\_214} + X_{20\_223} + X_{20\_225} + X_{20\_234} \geq 1;$   
 [\_1331]  $X_{20\_2} + X_{20\_11} + X_{20\_17} + X_{20\_28} + X_{20\_34} + X_{20\_47} + X_{20\_56} + X_{20\_64} + X_{20\_69} + X_{20\_76} + X_{20\_83} + X_{20\_91} + X_{20\_97} + X_{20\_107} + X_{20\_116} + X_{20\_122} + X_{20\_131} + X_{20\_137} + X_{20\_148} + X_{20\_154} + X_{20\_167} + X_{20\_176} + X_{20\_184} + X_{20\_189} + X_{20\_196} + X_{20\_203} + X_{20\_211} + X_{20\_217} + X_{20\_227} + X_{20\_236} \geq 1;$   
 [\_1332]  $X_{20\_8} + X_{20\_11} + X_{20\_20} + X_{20\_26} + X_{20\_36} + X_{20\_43} + X_{20\_52} + X_{20\_59} + X_{20\_72} + X_{20\_73} + X_{20\_86} + X_{20\_95} + X_{20\_102} + X_{20\_110} + X_{20\_120} + X_{20\_128} + X_{20\_131} + X_{20\_140} + X_{20\_146} + X_{20\_156} + X_{20\_163} + X_{20\_172} + X_{20\_179} + X_{20\_192} + X_{20\_193} + X_{20\_206} + X_{20\_215} + X_{20\_222} + X_{20\_230} + X_{20\_240} \geq 1;$   
 [\_1333]  $X_{20\_5} + X_{20\_14} + X_{20\_21} + X_{20\_25} + X_{20\_40} + X_{20\_45} + X_{20\_52} + X_{20\_57} + X_{20\_68} + X_{20\_80} + X_{20\_87} + X_{20\_96} + X_{20\_104} + X_{20\_107} + X_{20\_113} + X_{20\_125} + X_{20\_134} + X_{20\_141} + X_{20\_145} + X_{20\_160} + X_{20\_165} + X_{20\_172} + X_{20\_177} + X_{20\_188} + X_{20\_200} + X_{20\_207} + X_{20\_216} + X_{20\_224} + X_{20\_227} + X_{20\_233} \geq 1;$   
 [\_1334]  $X_{20\_2} + X_{20\_13} + X_{20\_22} + X_{20\_30} + X_{20\_35} + X_{20\_48} + X_{20\_55} + X_{20\_61} + X_{20\_72} + X_{20\_74} + X_{20\_84} + X_{20\_96} + X_{20\_103} + X_{20\_106} + X_{20\_115} + X_{20\_122} + X_{20\_133} + X_{20\_142} + X_{20\_150} + X_{20\_155} + X_{20\_168} + X_{20\_175} + X_{20\_181} + X_{20\_192} + X_{20\_194} + X_{20\_204} + X_{20\_216} + X_{20\_223} + X_{20\_226} + X_{20\_235} \geq 1;$   
 [\_1335]  $X_{20\_4} + X_{20\_14} + X_{20\_19} + X_{20\_30} + X_{20\_34} + X_{20\_46} + X_{20\_49} + X_{20\_58} + X_{20\_67} + X_{20\_78} + X_{20\_81} + X_{20\_95} + X_{20\_98} + X_{20\_109} + X_{20\_119} + X_{20\_124} + X_{20\_134} + X_{20\_139} + X_{20\_150} + X_{20\_154} + X_{20\_166} + X_{20\_169} + X_{20\_178} + X_{20\_187} + X_{20\_198} + X_{20\_201} + X_{20\_215} + X_{20\_218} + X_{20\_229} + X_{20\_239} \geq 1;$   
 [\_1336]  $X_{20\_5} + X_{20\_10} + X_{20\_22} + X_{20\_28} + X_{20\_39} + X_{20\_42} + X_{20\_49} + X_{20\_63} + X_{20\_70} + X_{20\_77} + X_{20\_86} + X_{20\_90} + X_{20\_99} + X_{20\_108} + X_{20\_114} + X_{20\_125} + X_{20\_130} + X_{20\_142} + X_{20\_148} + X_{20\_159} + X_{20\_162} + X_{20\_169} + X_{20\_183} + X_{20\_190} + X_{20\_197} + X_{20\_206} + X_{20\_210} + X_{20\_219} + X_{20\_228} + X_{20\_234} \geq 1;$

[\_1337] X\_20\_1 + X\_20\_9 + X\_20\_21 + X\_20\_31 + X\_20\_35 + X\_20\_47 +  
 X\_20\_53 + X\_20\_63  
 + X\_20\_67 + X\_20\_79 + X\_20\_88 + X\_20\_93 + X\_20\_102 + X\_20\_111 +  
 X\_20\_117 +  
 X\_20\_121 + X\_20\_129 + X\_20\_141 + X\_20\_151 + X\_20\_155 + X\_20\_167 +  
 X\_20\_173 +  
 X\_20\_183 + X\_20\_187 + X\_20\_199 + X\_20\_208 + X\_20\_213 + X\_20\_222 +  
 X\_20\_231 +  
 X\_20\_237 >= 1;  
 [\_1338] X\_20\_6 + X\_20\_16 + X\_20\_18 + X\_20\_26 + X\_20\_37 + X\_20\_42 +  
 X\_20\_54 +  
 X\_20\_60 + X\_20\_68 + X\_20\_75 + X\_20\_84 + X\_20\_91 + X\_20\_101 + X\_20\_109  
 + X\_20\_117 +  
 X\_20\_126 + X\_20\_136 + X\_20\_138 + X\_20\_146 + X\_20\_157 + X\_20\_162 +  
 X\_20\_174 +  
 X\_20\_180 + X\_20\_188 + X\_20\_195 + X\_20\_204 + X\_20\_211 + X\_20\_221 +  
 X\_20\_229 +  
 X\_20\_237 >= 1;  
 [\_1339] X\_20\_1 + X\_20\_15 + X\_20\_24 + X\_20\_27 + X\_20\_36 + X\_20\_44 +  
 X\_20\_54 +  
 X\_20\_61 + X\_20\_65 + X\_20\_80 + X\_20\_85 + X\_20\_92 + X\_20\_97 + X\_20\_108  
 + X\_20\_119 +  
 X\_20\_121 + X\_20\_135 + X\_20\_144 + X\_20\_147 + X\_20\_156 + X\_20\_164 +  
 X\_20\_174 +  
 X\_20\_181 + X\_20\_185 + X\_20\_200 + X\_20\_205 + X\_20\_212 + X\_20\_217 +  
 X\_20\_228 +  
 X\_20\_239 >= 1;  
 [\_1340] X\_20\_6 + X\_20\_15 + X\_20\_23 + X\_20\_25 + X\_20\_38 + X\_20\_48 +  
 X\_20\_56 +  
 X\_20\_62 + X\_20\_70 + X\_20\_78 + X\_20\_88 + X\_20\_89 + X\_20\_100 + X\_20\_110  
 + X\_20\_118 +  
 X\_20\_126 + X\_20\_135 + X\_20\_143 + X\_20\_145 + X\_20\_158 + X\_20\_168 +  
 X\_20\_176 +  
 X\_20\_182 + X\_20\_190 + X\_20\_198 + X\_20\_208 + X\_20\_209 + X\_20\_220 +  
 X\_20\_230 +  
 X\_20\_238 >= 1;  
 [\_1341] X\_20\_8 + X\_20\_12 + X\_20\_18 + X\_20\_27 + X\_20\_33 + X\_20\_45 +  
 X\_20\_50 +  
 X\_20\_58 + X\_20\_69 + X\_20\_77 + X\_20\_82 + X\_20\_93 + X\_20\_100 + X\_20\_112  
 + X\_20\_115 +  
 X\_20\_128 + X\_20\_132 + X\_20\_138 + X\_20\_147 + X\_20\_153 + X\_20\_165 +  
 X\_20\_170 +  
 X\_20\_178 + X\_20\_189 + X\_20\_197 + X\_20\_202 + X\_20\_213 + X\_20\_220 +  
 X\_20\_232 +  
 X\_20\_235 >= 1;  
 [\_1342] X\_20\_7 + X\_20\_16 + X\_20\_24 + X\_20\_32 + X\_20\_40 + X\_20\_41 +  
 X\_20\_55 +  
 X\_20\_64 + X\_20\_71 + X\_20\_79 + X\_20\_81 + X\_20\_89 + X\_20\_99 + X\_20\_112  
 + X\_20\_120 +  
 X\_20\_127 + X\_20\_136 + X\_20\_144 + X\_20\_152 + X\_20\_160 + X\_20\_161 +  
 X\_20\_175 +  
 X\_20\_184 + X\_20\_191 + X\_20\_199 + X\_20\_201 + X\_20\_209 + X\_20\_219 +  
 X\_20\_232 +  
 X\_20\_240 >= 1;  
 [\_1343] X\_20\_3 + X\_20\_13 + X\_20\_17 + X\_20\_29 + X\_20\_39 + X\_20\_46 +  
 X\_20\_53 +

$X_{20\_62} + X_{20\_71} + X_{20\_73} + X_{20\_82} + X_{20\_92} + X_{20\_101} + X_{20\_105}$   
 $+ X_{20\_113} +$   
 $X_{20\_123} + X_{20\_133} + X_{20\_137} + X_{20\_149} + X_{20\_159} + X_{20\_166} +$   
 $X_{20\_173} +$   
 $X_{20\_182} + X_{20\_191} + X_{20\_193} + X_{20\_202} + X_{20\_212} + X_{20\_221} +$   
 $X_{20\_225} +$   
 $X_{20\_233} \geq 1;$   
 [\_1344]  $X_{21\_3} + X_{21\_10} + X_{21\_19} + X_{21\_31} + X_{21\_38} + X_{21\_41} +$   
 $X_{21\_50} +$   
 $X_{21\_59} + X_{21\_66} + X_{21\_75} + X_{21\_85} + X_{21\_94} + X_{21\_104} + X_{21\_106}$   
 $+ X_{21\_116} +$   
 $X_{21\_123} + X_{21\_130} + X_{21\_139} + X_{21\_151} + X_{21\_158} + X_{21\_161} +$   
 $X_{21\_170} +$   
 $X_{21\_179} + X_{21\_186} + X_{21\_195} + X_{21\_205} + X_{21\_214} + X_{21\_224} +$   
 $X_{21\_226} +$   
 $X_{21\_236} \geq 1;$   
 [\_1345]  $X_{21\_7} + X_{21\_12} + X_{21\_20} + X_{21\_29} + X_{21\_37} + X_{21\_44} +$   
 $X_{21\_51} +$   
 $X_{21\_57} + X_{21\_66} + X_{21\_74} + X_{21\_83} + X_{21\_90} + X_{21\_98} + X_{21\_111}$   
 $+ X_{21\_118} +$   
 $X_{21\_127} + X_{21\_132} + X_{21\_140} + X_{21\_149} + X_{21\_157} + X_{21\_164} +$   
 $X_{21\_171} +$   
 $X_{21\_177} + X_{21\_186} + X_{21\_194} + X_{21\_203} + X_{21\_210} + X_{21\_218} +$   
 $X_{21\_231} +$   
 $X_{21\_238} \geq 1;$   
 [\_1346]  $X_{21\_4} + X_{21\_9} + X_{21\_23} + X_{21\_32} + X_{21\_33} + X_{21\_43} +$   
 $X_{21\_51} + X_{21\_60}$   
 $+ X_{21\_65} + X_{21\_76} + X_{21\_87} + X_{21\_94} + X_{21\_103} + X_{21\_105} +$   
 $X_{21\_114} +$   
 $X_{21\_124} + X_{21\_129} + X_{21\_143} + X_{21\_152} + X_{21\_153} + X_{21\_163} +$   
 $X_{21\_171} +$   
 $X_{21\_180} + X_{21\_185} + X_{21\_196} + X_{21\_207} + X_{21\_214} + X_{21\_223} +$   
 $X_{21\_225} +$   
 $X_{21\_234} \geq 1;$   
 [\_1347]  $X_{21\_2} + X_{21\_11} + X_{21\_17} + X_{21\_28} + X_{21\_34} + X_{21\_47} +$   
 $X_{21\_56} +$   
 $X_{21\_64} + X_{21\_69} + X_{21\_76} + X_{21\_83} + X_{21\_91} + X_{21\_97} + X_{21\_107}$   
 $+ X_{21\_116} +$   
 $X_{21\_122} + X_{21\_131} + X_{21\_137} + X_{21\_148} + X_{21\_154} + X_{21\_167} +$   
 $X_{21\_176} +$   
 $X_{21\_184} + X_{21\_189} + X_{21\_196} + X_{21\_203} + X_{21\_211} + X_{21\_217} +$   
 $X_{21\_227} +$   
 $X_{21\_236} \geq 1;$   
 [\_1348]  $X_{21\_8} + X_{21\_11} + X_{21\_20} + X_{21\_26} + X_{21\_36} + X_{21\_43} +$   
 $X_{21\_52} +$   
 $X_{21\_59} + X_{21\_72} + X_{21\_73} + X_{21\_86} + X_{21\_95} + X_{21\_102} + X_{21\_110}$   
 $+ X_{21\_120} +$   
 $X_{21\_128} + X_{21\_131} + X_{21\_140} + X_{21\_146} + X_{21\_156} + X_{21\_163} +$   
 $X_{21\_172} +$   
 $X_{21\_179} + X_{21\_192} + X_{21\_193} + X_{21\_206} + X_{21\_215} + X_{21\_222} +$   
 $X_{21\_230} +$   
 $X_{21\_240} \geq 1;$   
 [\_1349]  $X_{21\_5} + X_{21\_14} + X_{21\_21} + X_{21\_25} + X_{21\_40} + X_{21\_45} +$   
 $X_{21\_52} +$   
 $X_{21\_57} + X_{21\_68} + X_{21\_80} + X_{21\_87} + X_{21\_96} + X_{21\_104} + X_{21\_107}$   
 $+ X_{21\_113} +$



$X_{21\_125} + X_{21\_134} + X_{21\_141} + X_{21\_145} + X_{21\_160} + X_{21\_165} + X_{21\_172} +$   
 $X_{21\_177} + X_{21\_188} + X_{21\_200} + X_{21\_207} + X_{21\_216} + X_{21\_224} + X_{21\_227} +$   
 $X_{21\_233} \geq 1;$   
 [\_1350]  $X_{21\_2} + X_{21\_13} + X_{21\_22} + X_{21\_30} + X_{21\_35} + X_{21\_48} + X_{21\_55} +$   
 $X_{21\_61} + X_{21\_72} + X_{21\_74} + X_{21\_84} + X_{21\_96} + X_{21\_103} + X_{21\_106} + X_{21\_115} +$   
 $X_{21\_122} + X_{21\_133} + X_{21\_142} + X_{21\_150} + X_{21\_155} + X_{21\_168} + X_{21\_175} +$   
 $X_{21\_181} + X_{21\_192} + X_{21\_194} + X_{21\_204} + X_{21\_216} + X_{21\_223} + X_{21\_226} +$   
 $X_{21\_235} \geq 1;$   
 [\_1351]  $X_{21\_4} + X_{21\_14} + X_{21\_19} + X_{21\_30} + X_{21\_34} + X_{21\_46} + X_{21\_49} +$   
 $X_{21\_58} + X_{21\_67} + X_{21\_78} + X_{21\_81} + X_{21\_95} + X_{21\_98} + X_{21\_109} + X_{21\_119} +$   
 $X_{21\_124} + X_{21\_134} + X_{21\_139} + X_{21\_150} + X_{21\_154} + X_{21\_166} + X_{21\_169} +$   
 $X_{21\_178} + X_{21\_187} + X_{21\_198} + X_{21\_201} + X_{21\_215} + X_{21\_218} + X_{21\_229} +$   
 $X_{21\_239} \geq 1;$   
 [\_1352]  $X_{21\_5} + X_{21\_10} + X_{21\_22} + X_{21\_28} + X_{21\_39} + X_{21\_42} + X_{21\_49} +$   
 $X_{21\_63} + X_{21\_70} + X_{21\_77} + X_{21\_86} + X_{21\_90} + X_{21\_99} + X_{21\_108} + X_{21\_114} +$   
 $X_{21\_125} + X_{21\_130} + X_{21\_142} + X_{21\_148} + X_{21\_159} + X_{21\_162} + X_{21\_169} +$   
 $X_{21\_183} + X_{21\_190} + X_{21\_197} + X_{21\_206} + X_{21\_210} + X_{21\_219} + X_{21\_228} +$   
 $X_{21\_234} \geq 1;$   
 [\_1353]  $X_{21\_1} + X_{21\_9} + X_{21\_21} + X_{21\_31} + X_{21\_35} + X_{21\_47} + X_{21\_53} + X_{21\_63} +$   
 $X_{21\_67} + X_{21\_79} + X_{21\_88} + X_{21\_93} + X_{21\_102} + X_{21\_111} + X_{21\_117} +$   
 $X_{21\_121} + X_{21\_129} + X_{21\_141} + X_{21\_151} + X_{21\_155} + X_{21\_167} + X_{21\_173} +$   
 $X_{21\_183} + X_{21\_187} + X_{21\_199} + X_{21\_208} + X_{21\_213} + X_{21\_222} + X_{21\_231} +$   
 $X_{21\_237} \geq 1;$   
 [\_1354]  $X_{21\_6} + X_{21\_16} + X_{21\_18} + X_{21\_26} + X_{21\_37} + X_{21\_42} + X_{21\_54} +$   
 $X_{21\_60} + X_{21\_68} + X_{21\_75} + X_{21\_84} + X_{21\_91} + X_{21\_101} + X_{21\_109} + X_{21\_117} +$   
 $X_{21\_126} + X_{21\_136} + X_{21\_138} + X_{21\_146} + X_{21\_157} + X_{21\_162} + X_{21\_174} +$   
 $X_{21\_180} + X_{21\_188} + X_{21\_195} + X_{21\_204} + X_{21\_211} + X_{21\_221} + X_{21\_229} +$   
 $X_{21\_237} \geq 1;$   
 [\_1355]  $X_{21\_1} + X_{21\_15} + X_{21\_24} + X_{21\_27} + X_{21\_36} + X_{21\_44} + X_{21\_54} +$   
 $X_{21\_61} + X_{21\_65} + X_{21\_80} + X_{21\_85} + X_{21\_92} + X_{21\_97} + X_{21\_108} + X_{21\_119} +$   
 $X_{21\_121} + X_{21\_135} + X_{21\_144} + X_{21\_147} + X_{21\_156} + X_{21\_164} + X_{21\_174} +$

$X_{21\_181} + X_{21\_185} + X_{21\_200} + X_{21\_205} + X_{21\_212} + X_{21\_217} +$   
 $X_{21\_228} +$   
 $X_{21\_239} \geq 1;$   
 [\_1356]  $X_{21\_6} + X_{21\_15} + X_{21\_23} + X_{21\_25} + X_{21\_38} + X_{21\_48} +$   
 $X_{21\_56} +$   
 $X_{21\_62} + X_{21\_70} + X_{21\_78} + X_{21\_88} + X_{21\_89} + X_{21\_100} + X_{21\_110}$   
 $+ X_{21\_118} +$   
 $X_{21\_126} + X_{21\_135} + X_{21\_143} + X_{21\_145} + X_{21\_158} + X_{21\_168} +$   
 $X_{21\_176} +$   
 $X_{21\_182} + X_{21\_190} + X_{21\_198} + X_{21\_208} + X_{21\_209} + X_{21\_220} +$   
 $X_{21\_230} +$   
 $X_{21\_238} \geq 1;$   
 [\_1357]  $X_{21\_8} + X_{21\_12} + X_{21\_18} + X_{21\_27} + X_{21\_33} + X_{21\_45} +$   
 $X_{21\_50} +$   
 $X_{21\_58} + X_{21\_69} + X_{21\_77} + X_{21\_82} + X_{21\_93} + X_{21\_100} + X_{21\_112}$   
 $+ X_{21\_115} +$   
 $X_{21\_128} + X_{21\_132} + X_{21\_138} + X_{21\_147} + X_{21\_153} + X_{21\_165} +$   
 $X_{21\_170} +$   
 $X_{21\_178} + X_{21\_189} + X_{21\_197} + X_{21\_202} + X_{21\_213} + X_{21\_220} +$   
 $X_{21\_232} +$   
 $X_{21\_235} \geq 1;$   
 [\_1358]  $X_{21\_7} + X_{21\_16} + X_{21\_24} + X_{21\_32} + X_{21\_40} + X_{21\_41} +$   
 $X_{21\_55} +$   
 $X_{21\_64} + X_{21\_71} + X_{21\_79} + X_{21\_81} + X_{21\_89} + X_{21\_99} + X_{21\_112}$   
 $+ X_{21\_120} +$   
 $X_{21\_127} + X_{21\_136} + X_{21\_144} + X_{21\_152} + X_{21\_160} + X_{21\_161} +$   
 $X_{21\_175} +$   
 $X_{21\_184} + X_{21\_191} + X_{21\_199} + X_{21\_201} + X_{21\_209} + X_{21\_219} +$   
 $X_{21\_232} +$   
 $X_{21\_240} \geq 1;$   
 [\_1359]  $X_{21\_3} + X_{21\_13} + X_{21\_17} + X_{21\_29} + X_{21\_39} + X_{21\_46} +$   
 $X_{21\_53} +$   
 $X_{21\_62} + X_{21\_71} + X_{21\_73} + X_{21\_82} + X_{21\_92} + X_{21\_101} + X_{21\_105}$   
 $+ X_{21\_113} +$   
 $X_{21\_123} + X_{21\_133} + X_{21\_137} + X_{21\_149} + X_{21\_159} + X_{21\_166} +$   
 $X_{21\_173} +$   
 $X_{21\_182} + X_{21\_191} + X_{21\_193} + X_{21\_202} + X_{21\_212} + X_{21\_221} +$   
 $X_{21\_225} +$   
 $X_{21\_233} \geq 1;$   
 [\_1360]  $X_{22\_3} + X_{22\_10} + X_{22\_19} + X_{22\_31} + X_{22\_38} + X_{22\_41} +$   
 $X_{22\_50} +$   
 $X_{22\_59} + X_{22\_66} + X_{22\_75} + X_{22\_85} + X_{22\_94} + X_{22\_104} + X_{22\_106}$   
 $+ X_{22\_116} +$   
 $X_{22\_123} + X_{22\_130} + X_{22\_139} + X_{22\_151} + X_{22\_158} + X_{22\_161} +$   
 $X_{22\_170} +$   
 $X_{22\_179} + X_{22\_186} + X_{22\_195} + X_{22\_205} + X_{22\_214} + X_{22\_224} +$   
 $X_{22\_226} +$   
 $X_{22\_236} \geq 1;$   
 [\_1361]  $X_{22\_7} + X_{22\_12} + X_{22\_20} + X_{22\_29} + X_{22\_37} + X_{22\_44} +$   
 $X_{22\_51} +$   
 $X_{22\_57} + X_{22\_66} + X_{22\_74} + X_{22\_83} + X_{22\_90} + X_{22\_98} + X_{22\_111}$   
 $+ X_{22\_118} +$   
 $X_{22\_127} + X_{22\_132} + X_{22\_140} + X_{22\_149} + X_{22\_157} + X_{22\_164} +$   
 $X_{22\_171} +$   
 $X_{22\_177} + X_{22\_186} + X_{22\_194} + X_{22\_203} + X_{22\_210} + X_{22\_218} +$   
 $X_{22\_231} +$   
 $X_{22\_238} \geq 1;$

[\_1362] X\_22\_4 + X\_22\_9 + X\_22\_23 + X\_22\_32 + X\_22\_33 + X\_22\_43 +  
 X\_22\_51 + X\_22\_60  
 + X\_22\_65 + X\_22\_76 + X\_22\_87 + X\_22\_94 + X\_22\_103 + X\_22\_105 +  
 X\_22\_114 +  
 X\_22\_124 + X\_22\_129 + X\_22\_143 + X\_22\_152 + X\_22\_153 + X\_22\_163 +  
 X\_22\_171 +  
 X\_22\_180 + X\_22\_185 + X\_22\_196 + X\_22\_207 + X\_22\_214 + X\_22\_223 +  
 X\_22\_225 +  
 X\_22\_234 >= 1;  
 [\_1363] X\_22\_2 + X\_22\_11 + X\_22\_17 + X\_22\_28 + X\_22\_34 + X\_22\_47 +  
 X\_22\_56 +  
 X\_22\_64 + X\_22\_69 + X\_22\_76 + X\_22\_83 + X\_22\_91 + X\_22\_97 + X\_22\_107  
 + X\_22\_116 +  
 X\_22\_122 + X\_22\_131 + X\_22\_137 + X\_22\_148 + X\_22\_154 + X\_22\_167 +  
 X\_22\_176 +  
 X\_22\_184 + X\_22\_189 + X\_22\_196 + X\_22\_203 + X\_22\_211 + X\_22\_217 +  
 X\_22\_227 +  
 X\_22\_236 >= 1;  
 [\_1364] X\_22\_8 + X\_22\_11 + X\_22\_20 + X\_22\_26 + X\_22\_36 + X\_22\_43 +  
 X\_22\_52 +  
 X\_22\_59 + X\_22\_72 + X\_22\_73 + X\_22\_86 + X\_22\_95 + X\_22\_102 + X\_22\_110  
 + X\_22\_120 +  
 X\_22\_128 + X\_22\_131 + X\_22\_140 + X\_22\_146 + X\_22\_156 + X\_22\_163 +  
 X\_22\_172 +  
 X\_22\_179 + X\_22\_192 + X\_22\_193 + X\_22\_206 + X\_22\_215 + X\_22\_222 +  
 X\_22\_230 +  
 X\_22\_240 >= 1;  
 [\_1365] X\_22\_5 + X\_22\_14 + X\_22\_21 + X\_22\_25 + X\_22\_40 + X\_22\_45 +  
 X\_22\_52 +  
 X\_22\_57 + X\_22\_68 + X\_22\_80 + X\_22\_87 + X\_22\_96 + X\_22\_104 + X\_22\_107  
 + X\_22\_113 +  
 X\_22\_125 + X\_22\_134 + X\_22\_141 + X\_22\_145 + X\_22\_160 + X\_22\_165 +  
 X\_22\_172 +  
 X\_22\_177 + X\_22\_188 + X\_22\_200 + X\_22\_207 + X\_22\_216 + X\_22\_224 +  
 X\_22\_227 +  
 X\_22\_233 >= 1;  
 [\_1366] X\_22\_2 + X\_22\_13 + X\_22\_22 + X\_22\_30 + X\_22\_35 + X\_22\_48 +  
 X\_22\_55 +  
 X\_22\_61 + X\_22\_72 + X\_22\_74 + X\_22\_84 + X\_22\_96 + X\_22\_103 + X\_22\_106  
 + X\_22\_115 +  
 X\_22\_122 + X\_22\_133 + X\_22\_142 + X\_22\_150 + X\_22\_155 + X\_22\_168 +  
 X\_22\_175 +  
 X\_22\_181 + X\_22\_192 + X\_22\_194 + X\_22\_204 + X\_22\_216 + X\_22\_223 +  
 X\_22\_226 +  
 X\_22\_235 >= 1;  
 [\_1367] X\_22\_4 + X\_22\_14 + X\_22\_19 + X\_22\_30 + X\_22\_34 + X\_22\_46 +  
 X\_22\_49 +  
 X\_22\_58 + X\_22\_67 + X\_22\_78 + X\_22\_81 + X\_22\_95 + X\_22\_98 + X\_22\_109  
 + X\_22\_119 +  
 X\_22\_124 + X\_22\_134 + X\_22\_139 + X\_22\_150 + X\_22\_154 + X\_22\_166 +  
 X\_22\_169 +  
 X\_22\_178 + X\_22\_187 + X\_22\_198 + X\_22\_201 + X\_22\_215 + X\_22\_218 +  
 X\_22\_229 +  
 X\_22\_239 >= 1;  
 [\_1368] X\_22\_5 + X\_22\_10 + X\_22\_22 + X\_22\_28 + X\_22\_39 + X\_22\_42 +  
 X\_22\_49 +

$X_{22\_63} + X_{22\_70} + X_{22\_77} + X_{22\_86} + X_{22\_90} + X_{22\_99} + X_{22\_108}$   
 $+ X_{22\_114} +$   
 $X_{22\_125} + X_{22\_130} + X_{22\_142} + X_{22\_148} + X_{22\_159} + X_{22\_162} +$   
 $X_{22\_169} +$   
 $X_{22\_183} + X_{22\_190} + X_{22\_197} + X_{22\_206} + X_{22\_210} + X_{22\_219} +$   
 $X_{22\_228} +$   
 $X_{22\_234} \geq 1;$   
 $[_{1369}] X_{22\_1} + X_{22\_9} + X_{22\_21} + X_{22\_31} + X_{22\_35} + X_{22\_47} +$   
 $X_{22\_53} + X_{22\_63}$   
 $+ X_{22\_67} + X_{22\_79} + X_{22\_88} + X_{22\_93} + X_{22\_102} + X_{22\_111} +$   
 $X_{22\_117} +$   
 $X_{22\_121} + X_{22\_129} + X_{22\_141} + X_{22\_151} + X_{22\_155} + X_{22\_167} +$   
 $X_{22\_173} +$   
 $X_{22\_183} + X_{22\_187} + X_{22\_199} + X_{22\_208} + X_{22\_213} + X_{22\_222} +$   
 $X_{22\_231} +$   
 $X_{22\_237} \geq 1;$   
 $[_{1370}] X_{22\_6} + X_{22\_16} + X_{22\_18} + X_{22\_26} + X_{22\_37} + X_{22\_42} +$   
 $X_{22\_54} +$   
 $X_{22\_60} + X_{22\_68} + X_{22\_75} + X_{22\_84} + X_{22\_91} + X_{22\_101} + X_{22\_109}$   
 $+ X_{22\_117} +$   
 $X_{22\_126} + X_{22\_136} + X_{22\_138} + X_{22\_146} + X_{22\_157} + X_{22\_162} +$   
 $X_{22\_174} +$   
 $X_{22\_180} + X_{22\_188} + X_{22\_195} + X_{22\_204} + X_{22\_211} + X_{22\_221} +$   
 $X_{22\_229} +$   
 $X_{22\_237} \geq 1;$   
 $[_{1371}] X_{22\_1} + X_{22\_15} + X_{22\_24} + X_{22\_27} + X_{22\_36} + X_{22\_44} +$   
 $X_{22\_54} +$   
 $X_{22\_61} + X_{22\_65} + X_{22\_80} + X_{22\_85} + X_{22\_92} + X_{22\_97} + X_{22\_108}$   
 $+ X_{22\_119} +$   
 $X_{22\_121} + X_{22\_135} + X_{22\_144} + X_{22\_147} + X_{22\_156} + X_{22\_164} +$   
 $X_{22\_174} +$   
 $X_{22\_181} + X_{22\_185} + X_{22\_200} + X_{22\_205} + X_{22\_212} + X_{22\_217} +$   
 $X_{22\_228} +$   
 $X_{22\_239} \geq 1;$   
 $[_{1372}] X_{22\_6} + X_{22\_15} + X_{22\_23} + X_{22\_25} + X_{22\_38} + X_{22\_48} +$   
 $X_{22\_56} +$   
 $X_{22\_62} + X_{22\_70} + X_{22\_78} + X_{22\_88} + X_{22\_89} + X_{22\_100} + X_{22\_110}$   
 $+ X_{22\_118} +$   
 $X_{22\_126} + X_{22\_135} + X_{22\_143} + X_{22\_145} + X_{22\_158} + X_{22\_168} +$   
 $X_{22\_176} +$   
 $X_{22\_182} + X_{22\_190} + X_{22\_198} + X_{22\_208} + X_{22\_209} + X_{22\_220} +$   
 $X_{22\_230} +$   
 $X_{22\_238} \geq 1;$   
 $[_{1373}] X_{22\_8} + X_{22\_12} + X_{22\_18} + X_{22\_27} + X_{22\_33} + X_{22\_45} +$   
 $X_{22\_50} +$   
 $X_{22\_58} + X_{22\_69} + X_{22\_77} + X_{22\_82} + X_{22\_93} + X_{22\_100} + X_{22\_112}$   
 $+ X_{22\_115} +$   
 $X_{22\_128} + X_{22\_132} + X_{22\_138} + X_{22\_147} + X_{22\_153} + X_{22\_165} +$   
 $X_{22\_170} +$   
 $X_{22\_178} + X_{22\_189} + X_{22\_197} + X_{22\_202} + X_{22\_213} + X_{22\_220} +$   
 $X_{22\_232} +$   
 $X_{22\_235} \geq 1;$   
 $[_{1374}] X_{22\_7} + X_{22\_16} + X_{22\_24} + X_{22\_32} + X_{22\_40} + X_{22\_41} +$   
 $X_{22\_55} +$   
 $X_{22\_64} + X_{22\_71} + X_{22\_79} + X_{22\_81} + X_{22\_89} + X_{22\_99} + X_{22\_112}$   
 $+ X_{22\_120} +$

$X_{22\_127} + X_{22\_136} + X_{22\_144} + X_{22\_152} + X_{22\_160} + X_{22\_161} + X_{22\_175} +$   
 $X_{22\_184} + X_{22\_191} + X_{22\_199} + X_{22\_201} + X_{22\_209} + X_{22\_219} + X_{22\_232} +$   
 $X_{22\_240} \geq 1;$   
 [\_1375]  $X_{22\_3} + X_{22\_13} + X_{22\_17} + X_{22\_29} + X_{22\_39} + X_{22\_46} + X_{22\_53} +$   
 $X_{22\_62} + X_{22\_71} + X_{22\_73} + X_{22\_82} + X_{22\_92} + X_{22\_101} + X_{22\_105} + X_{22\_113} +$   
 $X_{22\_123} + X_{22\_133} + X_{22\_137} + X_{22\_149} + X_{22\_159} + X_{22\_166} + X_{22\_173} +$   
 $X_{22\_182} + X_{22\_191} + X_{22\_193} + X_{22\_202} + X_{22\_212} + X_{22\_221} + X_{22\_225} +$   
 $X_{22\_233} \geq 1;$   
 [\_1376]  $X_{23\_3} + X_{23\_10} + X_{23\_19} + X_{23\_31} + X_{23\_38} + X_{23\_41} + X_{23\_50} +$   
 $X_{23\_59} + X_{23\_66} + X_{23\_75} + X_{23\_85} + X_{23\_94} + X_{23\_104} + X_{23\_106} + X_{23\_116} +$   
 $X_{23\_123} + X_{23\_130} + X_{23\_139} + X_{23\_151} + X_{23\_158} + X_{23\_161} + X_{23\_170} +$   
 $X_{23\_179} + X_{23\_186} + X_{23\_195} + X_{23\_205} + X_{23\_214} + X_{23\_224} + X_{23\_226} +$   
 $X_{23\_236} \geq 1;$   
 [\_1377]  $X_{23\_7} + X_{23\_12} + X_{23\_20} + X_{23\_29} + X_{23\_37} + X_{23\_44} + X_{23\_51} +$   
 $X_{23\_57} + X_{23\_66} + X_{23\_74} + X_{23\_83} + X_{23\_90} + X_{23\_98} + X_{23\_111} + X_{23\_118} +$   
 $X_{23\_127} + X_{23\_132} + X_{23\_140} + X_{23\_149} + X_{23\_157} + X_{23\_164} + X_{23\_171} +$   
 $X_{23\_177} + X_{23\_186} + X_{23\_194} + X_{23\_203} + X_{23\_210} + X_{23\_218} + X_{23\_231} +$   
 $X_{23\_238} \geq 1;$   
 [\_1378]  $X_{23\_4} + X_{23\_9} + X_{23\_23} + X_{23\_32} + X_{23\_33} + X_{23\_43} + X_{23\_51} + X_{23\_60} +$   
 $X_{23\_65} + X_{23\_76} + X_{23\_87} + X_{23\_94} + X_{23\_103} + X_{23\_105} + X_{23\_114} +$   
 $X_{23\_124} + X_{23\_129} + X_{23\_143} + X_{23\_152} + X_{23\_153} + X_{23\_163} + X_{23\_171} +$   
 $X_{23\_180} + X_{23\_185} + X_{23\_196} + X_{23\_207} + X_{23\_214} + X_{23\_223} + X_{23\_225} +$   
 $X_{23\_234} \geq 1;$   
 [\_1379]  $X_{23\_2} + X_{23\_11} + X_{23\_17} + X_{23\_28} + X_{23\_34} + X_{23\_47} + X_{23\_56} +$   
 $X_{23\_64} + X_{23\_69} + X_{23\_76} + X_{23\_83} + X_{23\_91} + X_{23\_97} + X_{23\_107} + X_{23\_116} +$   
 $X_{23\_122} + X_{23\_131} + X_{23\_137} + X_{23\_148} + X_{23\_154} + X_{23\_167} + X_{23\_176} +$   
 $X_{23\_184} + X_{23\_189} + X_{23\_196} + X_{23\_203} + X_{23\_211} + X_{23\_217} + X_{23\_227} +$   
 $X_{23\_236} \geq 1;$   
 [\_1380]  $X_{23\_8} + X_{23\_11} + X_{23\_20} + X_{23\_26} + X_{23\_36} + X_{23\_43} + X_{23\_52} +$   
 $X_{23\_59} + X_{23\_72} + X_{23\_73} + X_{23\_86} + X_{23\_95} + X_{23\_102} + X_{23\_110} + X_{23\_120} +$   
 $X_{23\_128} + X_{23\_131} + X_{23\_140} + X_{23\_146} + X_{23\_156} + X_{23\_163} + X_{23\_172} +$

$X_{23\_179} + X_{23\_192} + X_{23\_193} + X_{23\_206} + X_{23\_215} + X_{23\_222} + X_{23\_230} + X_{23\_240} \geq 1;$   
 [\_1381]  $X_{23\_5} + X_{23\_14} + X_{23\_21} + X_{23\_25} + X_{23\_40} + X_{23\_45} + X_{23\_52} + X_{23\_57} + X_{23\_68} + X_{23\_80} + X_{23\_87} + X_{23\_96} + X_{23\_104} + X_{23\_107} + X_{23\_113} + X_{23\_125} + X_{23\_134} + X_{23\_141} + X_{23\_145} + X_{23\_160} + X_{23\_165} + X_{23\_172} + X_{23\_177} + X_{23\_188} + X_{23\_200} + X_{23\_207} + X_{23\_216} + X_{23\_224} + X_{23\_227} + X_{23\_233} \geq 1;$   
 [\_1382]  $X_{23\_2} + X_{23\_13} + X_{23\_22} + X_{23\_30} + X_{23\_35} + X_{23\_48} + X_{23\_55} + X_{23\_61} + X_{23\_72} + X_{23\_74} + X_{23\_84} + X_{23\_96} + X_{23\_103} + X_{23\_106} + X_{23\_115} + X_{23\_122} + X_{23\_133} + X_{23\_142} + X_{23\_150} + X_{23\_155} + X_{23\_168} + X_{23\_175} + X_{23\_181} + X_{23\_192} + X_{23\_194} + X_{23\_204} + X_{23\_216} + X_{23\_223} + X_{23\_226} + X_{23\_235} \geq 1;$   
 [\_1383]  $X_{23\_4} + X_{23\_14} + X_{23\_19} + X_{23\_30} + X_{23\_34} + X_{23\_46} + X_{23\_49} + X_{23\_58} + X_{23\_67} + X_{23\_78} + X_{23\_81} + X_{23\_95} + X_{23\_98} + X_{23\_109} + X_{23\_119} + X_{23\_124} + X_{23\_134} + X_{23\_139} + X_{23\_150} + X_{23\_154} + X_{23\_166} + X_{23\_169} + X_{23\_178} + X_{23\_187} + X_{23\_198} + X_{23\_201} + X_{23\_215} + X_{23\_218} + X_{23\_229} + X_{23\_239} \geq 1;$   
 [\_1384]  $X_{23\_5} + X_{23\_10} + X_{23\_22} + X_{23\_28} + X_{23\_39} + X_{23\_42} + X_{23\_49} + X_{23\_63} + X_{23\_70} + X_{23\_77} + X_{23\_86} + X_{23\_90} + X_{23\_99} + X_{23\_108} + X_{23\_114} + X_{23\_125} + X_{23\_130} + X_{23\_142} + X_{23\_148} + X_{23\_159} + X_{23\_162} + X_{23\_169} + X_{23\_183} + X_{23\_190} + X_{23\_197} + X_{23\_206} + X_{23\_210} + X_{23\_219} + X_{23\_228} + X_{23\_234} \geq 1;$   
 [\_1385]  $X_{23\_1} + X_{23\_9} + X_{23\_21} + X_{23\_31} + X_{23\_35} + X_{23\_47} + X_{23\_53} + X_{23\_63} + X_{23\_67} + X_{23\_79} + X_{23\_88} + X_{23\_93} + X_{23\_102} + X_{23\_111} + X_{23\_117} + X_{23\_121} + X_{23\_129} + X_{23\_141} + X_{23\_151} + X_{23\_155} + X_{23\_167} + X_{23\_173} + X_{23\_183} + X_{23\_187} + X_{23\_199} + X_{23\_208} + X_{23\_213} + X_{23\_222} + X_{23\_231} + X_{23\_237} \geq 1;$   
 [\_1386]  $X_{23\_6} + X_{23\_16} + X_{23\_18} + X_{23\_26} + X_{23\_37} + X_{23\_42} + X_{23\_54} + X_{23\_60} + X_{23\_68} + X_{23\_75} + X_{23\_84} + X_{23\_91} + X_{23\_101} + X_{23\_109} + X_{23\_117} + X_{23\_126} + X_{23\_136} + X_{23\_138} + X_{23\_146} + X_{23\_157} + X_{23\_162} + X_{23\_174} + X_{23\_180} + X_{23\_188} + X_{23\_195} + X_{23\_204} + X_{23\_211} + X_{23\_221} + X_{23\_229} + X_{23\_237} \geq 1;$

[\_1387] X\_23\_1 + X\_23\_15 + X\_23\_24 + X\_23\_27 + X\_23\_36 + X\_23\_44 +  
 X\_23\_54 +  
 X\_23\_61 + X\_23\_65 + X\_23\_80 + X\_23\_85 + X\_23\_92 + X\_23\_97 + X\_23\_108  
 + X\_23\_119 +  
 X\_23\_121 + X\_23\_135 + X\_23\_144 + X\_23\_147 + X\_23\_156 + X\_23\_164 +  
 X\_23\_174 +  
 X\_23\_181 + X\_23\_185 + X\_23\_200 + X\_23\_205 + X\_23\_212 + X\_23\_217 +  
 X\_23\_228 +  
 X\_23\_239 >= 1;  
 [\_1388] X\_23\_6 + X\_23\_15 + X\_23\_23 + X\_23\_25 + X\_23\_38 + X\_23\_48 +  
 X\_23\_56 +  
 X\_23\_62 + X\_23\_70 + X\_23\_78 + X\_23\_88 + X\_23\_89 + X\_23\_100 + X\_23\_110  
 + X\_23\_118 +  
 X\_23\_126 + X\_23\_135 + X\_23\_143 + X\_23\_145 + X\_23\_158 + X\_23\_168 +  
 X\_23\_176 +  
 X\_23\_182 + X\_23\_190 + X\_23\_198 + X\_23\_208 + X\_23\_209 + X\_23\_220 +  
 X\_23\_230 +  
 X\_23\_238 >= 1;  
 [\_1389] X\_23\_8 + X\_23\_12 + X\_23\_18 + X\_23\_27 + X\_23\_33 + X\_23\_45 +  
 X\_23\_50 +  
 X\_23\_58 + X\_23\_69 + X\_23\_77 + X\_23\_82 + X\_23\_93 + X\_23\_100 + X\_23\_112  
 + X\_23\_115 +  
 X\_23\_128 + X\_23\_132 + X\_23\_138 + X\_23\_147 + X\_23\_153 + X\_23\_165 +  
 X\_23\_170 +  
 X\_23\_178 + X\_23\_189 + X\_23\_197 + X\_23\_202 + X\_23\_213 + X\_23\_220 +  
 X\_23\_232 +  
 X\_23\_235 >= 1;  
 [\_1390] X\_23\_7 + X\_23\_16 + X\_23\_24 + X\_23\_32 + X\_23\_40 + X\_23\_41 +  
 X\_23\_55 +  
 X\_23\_64 + X\_23\_71 + X\_23\_79 + X\_23\_81 + X\_23\_89 + X\_23\_99 + X\_23\_112  
 + X\_23\_120 +  
 X\_23\_127 + X\_23\_136 + X\_23\_144 + X\_23\_152 + X\_23\_160 + X\_23\_161 +  
 X\_23\_175 +  
 X\_23\_184 + X\_23\_191 + X\_23\_199 + X\_23\_201 + X\_23\_209 + X\_23\_219 +  
 X\_23\_232 +  
 X\_23\_240 >= 1;  
 [\_1391] X\_23\_3 + X\_23\_13 + X\_23\_17 + X\_23\_29 + X\_23\_39 + X\_23\_46 +  
 X\_23\_53 +  
 X\_23\_62 + X\_23\_71 + X\_23\_73 + X\_23\_82 + X\_23\_92 + X\_23\_101 + X\_23\_105  
 + X\_23\_113 +  
 X\_23\_123 + X\_23\_133 + X\_23\_137 + X\_23\_149 + X\_23\_159 + X\_23\_166 +  
 X\_23\_173 +  
 X\_23\_182 + X\_23\_191 + X\_23\_193 + X\_23\_202 + X\_23\_212 + X\_23\_221 +  
 X\_23\_225 +  
 X\_23\_233 >= 1;  
 [\_1392] X\_1\_3 + X\_1\_10 + X\_1\_19 + X\_1\_31 + X\_1\_38 + X\_1\_41 + X\_1\_50 +  
 X\_1\_59 +  
 X\_1\_66 + X\_1\_75 + X\_1\_85 + X\_1\_94 + X\_1\_104 + X\_1\_106 + X\_1\_116 +  
 X\_1\_123 +  
 X\_1\_130 + X\_1\_139 + X\_1\_151 + X\_1\_158 + X\_1\_161 + X\_1\_170 + X\_1\_179 +  
 X\_1\_186 +  
 X\_1\_195 + X\_1\_205 + X\_1\_214 + X\_1\_224 + X\_1\_226 + X\_1\_236 <= 3;  
 [\_1393] X\_1\_7 + X\_1\_12 + X\_1\_20 + X\_1\_29 + X\_1\_37 + X\_1\_44 + X\_1\_51 +  
 X\_1\_57 +  
 X\_1\_66 + X\_1\_74 + X\_1\_83 + X\_1\_90 + X\_1\_98 + X\_1\_111 + X\_1\_118 +  
 X\_1\_127 + X\_1\_132

+ X\_1\_140 + X\_1\_149 + X\_1\_157 + X\_1\_164 + X\_1\_171 + X\_1\_177 + X\_1\_186  
 + X\_1\_194 +  
 X\_1\_203 + X\_1\_210 + X\_1\_218 + X\_1\_231 + X\_1\_238 <= 3;  
 [\_1394] X\_1\_4 + X\_1\_9 + X\_1\_23 + X\_1\_32 + X\_1\_33 + X\_1\_43 + X\_1\_51 +  
 X\_1\_60 +  
 X\_1\_65 + X\_1\_76 + X\_1\_87 + X\_1\_94 + X\_1\_103 + X\_1\_105 + X\_1\_114 +  
 X\_1\_124 +  
 X\_1\_129 + X\_1\_143 + X\_1\_152 + X\_1\_153 + X\_1\_163 + X\_1\_171 + X\_1\_180 +  
 X\_1\_185 +  
 X\_1\_196 + X\_1\_207 + X\_1\_214 + X\_1\_223 + X\_1\_225 + X\_1\_234 <= 3;  
 [\_1395] X\_1\_2 + X\_1\_11 + X\_1\_17 + X\_1\_28 + X\_1\_34 + X\_1\_47 + X\_1\_56 +  
 X\_1\_64 +  
 X\_1\_69 + X\_1\_76 + X\_1\_83 + X\_1\_91 + X\_1\_97 + X\_1\_107 + X\_1\_116 +  
 X\_1\_122 + X\_1\_131  
 + X\_1\_137 + X\_1\_148 + X\_1\_154 + X\_1\_167 + X\_1\_176 + X\_1\_184 + X\_1\_189  
 + X\_1\_196 +  
 X\_1\_203 + X\_1\_211 + X\_1\_217 + X\_1\_227 + X\_1\_236 <= 3;  
 [\_1396] X\_1\_8 + X\_1\_11 + X\_1\_20 + X\_1\_26 + X\_1\_36 + X\_1\_43 + X\_1\_52 +  
 X\_1\_59 +  
 X\_1\_72 + X\_1\_73 + X\_1\_86 + X\_1\_95 + X\_1\_102 + X\_1\_110 + X\_1\_120 +  
 X\_1\_128 +  
 X\_1\_131 + X\_1\_140 + X\_1\_146 + X\_1\_156 + X\_1\_163 + X\_1\_172 + X\_1\_179 +  
 X\_1\_192 +  
 X\_1\_193 + X\_1\_206 + X\_1\_215 + X\_1\_222 + X\_1\_230 + X\_1\_240 <= 3;  
 [\_1397] X\_1\_5 + X\_1\_14 + X\_1\_21 + X\_1\_25 + X\_1\_40 + X\_1\_45 + X\_1\_52 +  
 X\_1\_57 +  
 X\_1\_68 + X\_1\_80 + X\_1\_87 + X\_1\_96 + X\_1\_104 + X\_1\_107 + X\_1\_113 +  
 X\_1\_125 +  
 X\_1\_134 + X\_1\_141 + X\_1\_145 + X\_1\_160 + X\_1\_165 + X\_1\_172 + X\_1\_177 +  
 X\_1\_188 +  
 X\_1\_200 + X\_1\_207 + X\_1\_216 + X\_1\_224 + X\_1\_227 + X\_1\_233 <= 3;  
 [\_1398] X\_1\_2 + X\_1\_13 + X\_1\_22 + X\_1\_30 + X\_1\_35 + X\_1\_48 + X\_1\_55 +  
 X\_1\_61 +  
 X\_1\_72 + X\_1\_74 + X\_1\_84 + X\_1\_96 + X\_1\_103 + X\_1\_106 + X\_1\_115 +  
 X\_1\_122 +  
 X\_1\_133 + X\_1\_142 + X\_1\_150 + X\_1\_155 + X\_1\_168 + X\_1\_175 + X\_1\_181 +  
 X\_1\_192 +  
 X\_1\_194 + X\_1\_204 + X\_1\_216 + X\_1\_223 + X\_1\_226 + X\_1\_235 <= 3;  
 [\_1399] X\_1\_4 + X\_1\_14 + X\_1\_19 + X\_1\_30 + X\_1\_34 + X\_1\_46 + X\_1\_49 +  
 X\_1\_58 +  
 X\_1\_67 + X\_1\_78 + X\_1\_81 + X\_1\_95 + X\_1\_98 + X\_1\_109 + X\_1\_119 +  
 X\_1\_124 + X\_1\_134  
 + X\_1\_139 + X\_1\_150 + X\_1\_154 + X\_1\_166 + X\_1\_169 + X\_1\_178 + X\_1\_187  
 + X\_1\_198 +  
 X\_1\_201 + X\_1\_215 + X\_1\_218 + X\_1\_229 + X\_1\_239 <= 3;  
 [\_1400] X\_1\_5 + X\_1\_10 + X\_1\_22 + X\_1\_28 + X\_1\_39 + X\_1\_42 + X\_1\_49 +  
 X\_1\_63 +  
 X\_1\_70 + X\_1\_77 + X\_1\_86 + X\_1\_90 + X\_1\_99 + X\_1\_108 + X\_1\_114 +  
 X\_1\_125 + X\_1\_130  
 + X\_1\_142 + X\_1\_148 + X\_1\_159 + X\_1\_162 + X\_1\_169 + X\_1\_183 + X\_1\_190  
 + X\_1\_197 +  
 X\_1\_206 + X\_1\_210 + X\_1\_219 + X\_1\_228 + X\_1\_234 <= 3;  
 [\_1401] X\_1\_1 + X\_1\_9 + X\_1\_21 + X\_1\_31 + X\_1\_35 + X\_1\_47 + X\_1\_53 +  
 X\_1\_63 +  
 X\_1\_67 + X\_1\_79 + X\_1\_88 + X\_1\_93 + X\_1\_102 + X\_1\_111 + X\_1\_117 +  
 X\_1\_121 +



$X_{1\_129} + X_{1\_141} + X_{1\_151} + X_{1\_155} + X_{1\_167} + X_{1\_173} + X_{1\_183} + X_{1\_187} +$   
 $X_{1\_199} + X_{1\_208} + X_{1\_213} + X_{1\_222} + X_{1\_231} + X_{1\_237} \leq 3;$   
 [\_1402]  $X_{1\_6} + X_{1\_16} + X_{1\_18} + X_{1\_26} + X_{1\_37} + X_{1\_42} + X_{1\_54} + X_{1\_60} +$   
 $X_{1\_68} + X_{1\_75} + X_{1\_84} + X_{1\_91} + X_{1\_101} + X_{1\_109} + X_{1\_117} + X_{1\_126} +$   
 $X_{1\_136} + X_{1\_138} + X_{1\_146} + X_{1\_157} + X_{1\_162} + X_{1\_174} + X_{1\_180} + X_{1\_188} +$   
 $X_{1\_195} + X_{1\_204} + X_{1\_211} + X_{1\_221} + X_{1\_229} + X_{1\_237} \leq 3;$   
 [\_1403]  $X_{1\_1} + X_{1\_15} + X_{1\_24} + X_{1\_27} + X_{1\_36} + X_{1\_44} + X_{1\_54} + X_{1\_61} +$   
 $X_{1\_65} + X_{1\_80} + X_{1\_85} + X_{1\_92} + X_{1\_97} + X_{1\_108} + X_{1\_119} + X_{1\_121} + X_{1\_135}$   
 $+ X_{1\_144} + X_{1\_147} + X_{1\_156} + X_{1\_164} + X_{1\_174} + X_{1\_181} + X_{1\_185} + X_{1\_200} +$   
 $X_{1\_205} + X_{1\_212} + X_{1\_217} + X_{1\_228} + X_{1\_239} \leq 3;$   
 [\_1404]  $X_{1\_6} + X_{1\_15} + X_{1\_23} + X_{1\_25} + X_{1\_38} + X_{1\_48} + X_{1\_56} + X_{1\_62} +$   
 $X_{1\_70} + X_{1\_78} + X_{1\_88} + X_{1\_89} + X_{1\_100} + X_{1\_110} + X_{1\_118} + X_{1\_126} +$   
 $X_{1\_135} + X_{1\_143} + X_{1\_145} + X_{1\_158} + X_{1\_168} + X_{1\_176} + X_{1\_182} + X_{1\_190} +$   
 $X_{1\_198} + X_{1\_208} + X_{1\_209} + X_{1\_220} + X_{1\_230} + X_{1\_238} \leq 3;$   
 [\_1405]  $X_{1\_8} + X_{1\_12} + X_{1\_18} + X_{1\_27} + X_{1\_33} + X_{1\_45} + X_{1\_50} + X_{1\_58} +$   
 $X_{1\_69} + X_{1\_77} + X_{1\_82} + X_{1\_93} + X_{1\_100} + X_{1\_112} + X_{1\_115} + X_{1\_128} +$   
 $X_{1\_132} + X_{1\_138} + X_{1\_147} + X_{1\_153} + X_{1\_165} + X_{1\_170} + X_{1\_178} + X_{1\_189} +$   
 $X_{1\_197} + X_{1\_202} + X_{1\_213} + X_{1\_220} + X_{1\_232} + X_{1\_235} \leq 3;$   
 [\_1406]  $X_{1\_7} + X_{1\_16} + X_{1\_24} + X_{1\_32} + X_{1\_40} + X_{1\_41} + X_{1\_55} + X_{1\_64} +$   
 $X_{1\_71} + X_{1\_79} + X_{1\_81} + X_{1\_89} + X_{1\_99} + X_{1\_112} + X_{1\_120} + X_{1\_127} + X_{1\_136}$   
 $+ X_{1\_144} + X_{1\_152} + X_{1\_160} + X_{1\_161} + X_{1\_175} + X_{1\_184} + X_{1\_191} + X_{1\_199} +$   
 $X_{1\_201} + X_{1\_209} + X_{1\_219} + X_{1\_232} + X_{1\_240} \leq 3;$   
 [\_1407]  $X_{1\_3} + X_{1\_13} + X_{1\_17} + X_{1\_29} + X_{1\_39} + X_{1\_46} + X_{1\_53} + X_{1\_62} +$   
 $X_{1\_71} + X_{1\_73} + X_{1\_82} + X_{1\_92} + X_{1\_101} + X_{1\_105} + X_{1\_113} + X_{1\_123} +$   
 $X_{1\_133} + X_{1\_137} + X_{1\_149} + X_{1\_159} + X_{1\_166} + X_{1\_173} + X_{1\_182} + X_{1\_191} +$   
 $X_{1\_193} + X_{1\_202} + X_{1\_212} + X_{1\_221} + X_{1\_225} + X_{1\_233} \leq 3;$   
 [\_1408]  $X_{2\_3} + X_{2\_10} + X_{2\_19} + X_{2\_31} + X_{2\_38} + X_{2\_41} + X_{2\_50} + X_{2\_59} +$   
 $X_{2\_66} + X_{2\_75} + X_{2\_85} + X_{2\_94} + X_{2\_104} + X_{2\_106} + X_{2\_116} + X_{2\_123} +$   
 $X_{2\_130} + X_{2\_139} + X_{2\_151} + X_{2\_158} + X_{2\_161} + X_{2\_170} + X_{2\_179} + X_{2\_186} +$   
 $X_{2\_195} + X_{2\_205} + X_{2\_214} + X_{2\_224} + X_{2\_226} + X_{2\_236} \leq 3;$   
 [\_1409]  $X_{2\_7} + X_{2\_12} + X_{2\_20} + X_{2\_29} + X_{2\_37} + X_{2\_44} + X_{2\_51} + X_{2\_57} +$   
 $X_{2\_66} + X_{2\_74} + X_{2\_83} + X_{2\_90} + X_{2\_98} + X_{2\_111} + X_{2\_118} + X_{2\_127} + X_{2\_132}$

+ X\_2\_140 + X\_2\_149 + X\_2\_157 + X\_2\_164 + X\_2\_171 + X\_2\_177 + X\_2\_186  
 + X\_2\_194 +  
 X\_2\_203 + X\_2\_210 + X\_2\_218 + X\_2\_231 + X\_2\_238 <= 3;  
 [\_1410] X\_2\_4 + X\_2\_9 + X\_2\_23 + X\_2\_32 + X\_2\_33 + X\_2\_43 + X\_2\_51 +  
 X\_2\_60 +  
 X\_2\_65 + X\_2\_76 + X\_2\_87 + X\_2\_94 + X\_2\_103 + X\_2\_105 + X\_2\_114 +  
 X\_2\_124 +  
 X\_2\_129 + X\_2\_143 + X\_2\_152 + X\_2\_153 + X\_2\_163 + X\_2\_171 + X\_2\_180 +  
 X\_2\_185 +  
 X\_2\_196 + X\_2\_207 + X\_2\_214 + X\_2\_223 + X\_2\_225 + X\_2\_234 <= 3;  
 [\_1411] X\_2\_2 + X\_2\_11 + X\_2\_17 + X\_2\_28 + X\_2\_34 + X\_2\_47 + X\_2\_56 +  
 X\_2\_64 +  
 X\_2\_69 + X\_2\_76 + X\_2\_83 + X\_2\_91 + X\_2\_97 + X\_2\_107 + X\_2\_116 +  
 X\_2\_122 + X\_2\_131  
 + X\_2\_137 + X\_2\_148 + X\_2\_154 + X\_2\_167 + X\_2\_176 + X\_2\_184 + X\_2\_189  
 + X\_2\_196 +  
 X\_2\_203 + X\_2\_211 + X\_2\_217 + X\_2\_227 + X\_2\_236 <= 3;  
 [\_1412] X\_2\_8 + X\_2\_11 + X\_2\_20 + X\_2\_26 + X\_2\_36 + X\_2\_43 + X\_2\_52 +  
 X\_2\_59 +  
 X\_2\_72 + X\_2\_73 + X\_2\_86 + X\_2\_95 + X\_2\_102 + X\_2\_110 + X\_2\_120 +  
 X\_2\_128 +  
 X\_2\_131 + X\_2\_140 + X\_2\_146 + X\_2\_156 + X\_2\_163 + X\_2\_172 + X\_2\_179 +  
 X\_2\_192 +  
 X\_2\_193 + X\_2\_206 + X\_2\_215 + X\_2\_222 + X\_2\_230 + X\_2\_240 <= 3;  
 [\_1413] X\_2\_5 + X\_2\_14 + X\_2\_21 + X\_2\_25 + X\_2\_40 + X\_2\_45 + X\_2\_52 +  
 X\_2\_57 +  
 X\_2\_68 + X\_2\_80 + X\_2\_87 + X\_2\_96 + X\_2\_104 + X\_2\_107 + X\_2\_113 +  
 X\_2\_125 +  
 X\_2\_134 + X\_2\_141 + X\_2\_145 + X\_2\_160 + X\_2\_165 + X\_2\_172 + X\_2\_177 +  
 X\_2\_188 +  
 X\_2\_200 + X\_2\_207 + X\_2\_216 + X\_2\_224 + X\_2\_227 + X\_2\_233 <= 3;  
 [\_1414] X\_2\_2 + X\_2\_13 + X\_2\_22 + X\_2\_30 + X\_2\_35 + X\_2\_48 + X\_2\_55 +  
 X\_2\_61 +  
 X\_2\_72 + X\_2\_74 + X\_2\_84 + X\_2\_96 + X\_2\_103 + X\_2\_106 + X\_2\_115 +  
 X\_2\_122 +  
 X\_2\_133 + X\_2\_142 + X\_2\_150 + X\_2\_155 + X\_2\_168 + X\_2\_175 + X\_2\_181 +  
 X\_2\_192 +  
 X\_2\_194 + X\_2\_204 + X\_2\_216 + X\_2\_223 + X\_2\_226 + X\_2\_235 <= 3;  
 [\_1415] X\_2\_4 + X\_2\_14 + X\_2\_19 + X\_2\_30 + X\_2\_34 + X\_2\_46 + X\_2\_49 +  
 X\_2\_58 +  
 X\_2\_67 + X\_2\_78 + X\_2\_81 + X\_2\_95 + X\_2\_98 + X\_2\_109 + X\_2\_119 +  
 X\_2\_124 + X\_2\_134  
 + X\_2\_139 + X\_2\_150 + X\_2\_154 + X\_2\_166 + X\_2\_169 + X\_2\_178 + X\_2\_187  
 + X\_2\_198 +  
 X\_2\_201 + X\_2\_215 + X\_2\_218 + X\_2\_229 + X\_2\_239 <= 3;  
 [\_1416] X\_2\_5 + X\_2\_10 + X\_2\_22 + X\_2\_28 + X\_2\_39 + X\_2\_42 + X\_2\_49 +  
 X\_2\_63 +  
 X\_2\_70 + X\_2\_77 + X\_2\_86 + X\_2\_90 + X\_2\_99 + X\_2\_108 + X\_2\_114 +  
 X\_2\_125 + X\_2\_130  
 + X\_2\_142 + X\_2\_148 + X\_2\_159 + X\_2\_162 + X\_2\_169 + X\_2\_183 + X\_2\_190  
 + X\_2\_197 +  
 X\_2\_206 + X\_2\_210 + X\_2\_219 + X\_2\_228 + X\_2\_234 <= 3;  
 [\_1417] X\_2\_1 + X\_2\_9 + X\_2\_21 + X\_2\_31 + X\_2\_35 + X\_2\_47 + X\_2\_53 +  
 X\_2\_63 +  
 X\_2\_67 + X\_2\_79 + X\_2\_88 + X\_2\_93 + X\_2\_102 + X\_2\_111 + X\_2\_117 +  
 X\_2\_121 +

$X_{2\_129} + X_{2\_141} + X_{2\_151} + X_{2\_155} + X_{2\_167} + X_{2\_173} + X_{2\_183} + X_{2\_187} +$   
 $X_{2\_199} + X_{2\_208} + X_{2\_213} + X_{2\_222} + X_{2\_231} + X_{2\_237} \leq 3;$   
 [\_1418]  $X_{2\_6} + X_{2\_16} + X_{2\_18} + X_{2\_26} + X_{2\_37} + X_{2\_42} + X_{2\_54} + X_{2\_60} +$   
 $X_{2\_68} + X_{2\_75} + X_{2\_84} + X_{2\_91} + X_{2\_101} + X_{2\_109} + X_{2\_117} + X_{2\_126} +$   
 $X_{2\_136} + X_{2\_138} + X_{2\_146} + X_{2\_157} + X_{2\_162} + X_{2\_174} + X_{2\_180} + X_{2\_188} +$   
 $X_{2\_195} + X_{2\_204} + X_{2\_211} + X_{2\_221} + X_{2\_229} + X_{2\_237} \leq 3;$   
 [\_1419]  $X_{2\_1} + X_{2\_15} + X_{2\_24} + X_{2\_27} + X_{2\_36} + X_{2\_44} + X_{2\_54} + X_{2\_61} +$   
 $X_{2\_65} + X_{2\_80} + X_{2\_85} + X_{2\_92} + X_{2\_97} + X_{2\_108} + X_{2\_119} + X_{2\_121} + X_{2\_135}$   
 $+ X_{2\_144} + X_{2\_147} + X_{2\_156} + X_{2\_164} + X_{2\_174} + X_{2\_181} + X_{2\_185} + X_{2\_200} +$   
 $X_{2\_205} + X_{2\_212} + X_{2\_217} + X_{2\_228} + X_{2\_239} \leq 3;$   
 [\_1420]  $X_{2\_6} + X_{2\_15} + X_{2\_23} + X_{2\_25} + X_{2\_38} + X_{2\_48} + X_{2\_56} + X_{2\_62} +$   
 $X_{2\_70} + X_{2\_78} + X_{2\_88} + X_{2\_89} + X_{2\_100} + X_{2\_110} + X_{2\_118} + X_{2\_126} +$   
 $X_{2\_135} + X_{2\_143} + X_{2\_145} + X_{2\_158} + X_{2\_168} + X_{2\_176} + X_{2\_182} + X_{2\_190} +$   
 $X_{2\_198} + X_{2\_208} + X_{2\_209} + X_{2\_220} + X_{2\_230} + X_{2\_238} \leq 3;$   
 [\_1421]  $X_{2\_8} + X_{2\_12} + X_{2\_18} + X_{2\_27} + X_{2\_33} + X_{2\_45} + X_{2\_50} + X_{2\_58} +$   
 $X_{2\_69} + X_{2\_77} + X_{2\_82} + X_{2\_93} + X_{2\_100} + X_{2\_112} + X_{2\_115} + X_{2\_128} +$   
 $X_{2\_132} + X_{2\_138} + X_{2\_147} + X_{2\_153} + X_{2\_165} + X_{2\_170} + X_{2\_178} + X_{2\_189} +$   
 $X_{2\_197} + X_{2\_202} + X_{2\_213} + X_{2\_220} + X_{2\_232} + X_{2\_235} \leq 3;$   
 [\_1422]  $X_{2\_7} + X_{2\_16} + X_{2\_24} + X_{2\_32} + X_{2\_40} + X_{2\_41} + X_{2\_55} + X_{2\_64} +$   
 $X_{2\_71} + X_{2\_79} + X_{2\_81} + X_{2\_89} + X_{2\_99} + X_{2\_112} + X_{2\_120} + X_{2\_127} + X_{2\_136}$   
 $+ X_{2\_144} + X_{2\_152} + X_{2\_160} + X_{2\_161} + X_{2\_175} + X_{2\_184} + X_{2\_191} + X_{2\_199} +$   
 $X_{2\_201} + X_{2\_209} + X_{2\_219} + X_{2\_232} + X_{2\_240} \leq 3;$   
 [\_1423]  $X_{2\_3} + X_{2\_13} + X_{2\_17} + X_{2\_29} + X_{2\_39} + X_{2\_46} + X_{2\_53} + X_{2\_62} +$   
 $X_{2\_71} + X_{2\_73} + X_{2\_82} + X_{2\_92} + X_{2\_101} + X_{2\_105} + X_{2\_113} + X_{2\_123} +$   
 $X_{2\_133} + X_{2\_137} + X_{2\_149} + X_{2\_159} + X_{2\_166} + X_{2\_173} + X_{2\_182} + X_{2\_191} +$   
 $X_{2\_193} + X_{2\_202} + X_{2\_212} + X_{2\_221} + X_{2\_225} + X_{2\_233} \leq 3;$   
 [\_1424]  $X_{3\_3} + X_{3\_10} + X_{3\_19} + X_{3\_31} + X_{3\_38} + X_{3\_41} + X_{3\_50} + X_{3\_59} +$   
 $X_{3\_66} + X_{3\_75} + X_{3\_85} + X_{3\_94} + X_{3\_104} + X_{3\_106} + X_{3\_116} + X_{3\_123} +$   
 $X_{3\_130} + X_{3\_139} + X_{3\_151} + X_{3\_158} + X_{3\_161} + X_{3\_170} + X_{3\_179} + X_{3\_186} +$   
 $X_{3\_195} + X_{3\_205} + X_{3\_214} + X_{3\_224} + X_{3\_226} + X_{3\_236} \leq 3;$   
 [\_1425]  $X_{3\_7} + X_{3\_12} + X_{3\_20} + X_{3\_29} + X_{3\_37} + X_{3\_44} + X_{3\_51} + X_{3\_57} +$   
 $X_{3\_66} + X_{3\_74} + X_{3\_83} + X_{3\_90} + X_{3\_98} + X_{3\_111} + X_{3\_118} + X_{3\_127} + X_{3\_132}$

+ X\_3\_140 + X\_3\_149 + X\_3\_157 + X\_3\_164 + X\_3\_171 + X\_3\_177 + X\_3\_186  
 + X\_3\_194 +  
 X\_3\_203 + X\_3\_210 + X\_3\_218 + X\_3\_231 + X\_3\_238 <= 3;  
 [\_1426] X\_3\_4 + X\_3\_9 + X\_3\_23 + X\_3\_32 + X\_3\_33 + X\_3\_43 + X\_3\_51 +  
 X\_3\_60 +  
 X\_3\_65 + X\_3\_76 + X\_3\_87 + X\_3\_94 + X\_3\_103 + X\_3\_105 + X\_3\_114 +  
 X\_3\_124 +  
 X\_3\_129 + X\_3\_143 + X\_3\_152 + X\_3\_153 + X\_3\_163 + X\_3\_171 + X\_3\_180 +  
 X\_3\_185 +  
 X\_3\_196 + X\_3\_207 + X\_3\_214 + X\_3\_223 + X\_3\_225 + X\_3\_234 <= 3;  
 [\_1427] X\_3\_2 + X\_3\_11 + X\_3\_17 + X\_3\_28 + X\_3\_34 + X\_3\_47 + X\_3\_56 +  
 X\_3\_64 +  
 X\_3\_69 + X\_3\_76 + X\_3\_83 + X\_3\_91 + X\_3\_97 + X\_3\_107 + X\_3\_116 +  
 X\_3\_122 + X\_3\_131  
 + X\_3\_137 + X\_3\_148 + X\_3\_154 + X\_3\_167 + X\_3\_176 + X\_3\_184 + X\_3\_189  
 + X\_3\_196 +  
 X\_3\_203 + X\_3\_211 + X\_3\_217 + X\_3\_227 + X\_3\_236 <= 3;  
 [\_1428] X\_3\_8 + X\_3\_11 + X\_3\_20 + X\_3\_26 + X\_3\_36 + X\_3\_43 + X\_3\_52 +  
 X\_3\_59 +  
 X\_3\_72 + X\_3\_73 + X\_3\_86 + X\_3\_95 + X\_3\_102 + X\_3\_110 + X\_3\_120 +  
 X\_3\_128 +  
 X\_3\_131 + X\_3\_140 + X\_3\_146 + X\_3\_156 + X\_3\_163 + X\_3\_172 + X\_3\_179 +  
 X\_3\_192 +  
 X\_3\_193 + X\_3\_206 + X\_3\_215 + X\_3\_222 + X\_3\_230 + X\_3\_240 <= 3;  
 [\_1429] X\_3\_5 + X\_3\_14 + X\_3\_21 + X\_3\_25 + X\_3\_40 + X\_3\_45 + X\_3\_52 +  
 X\_3\_57 +  
 X\_3\_68 + X\_3\_80 + X\_3\_87 + X\_3\_96 + X\_3\_104 + X\_3\_107 + X\_3\_113 +  
 X\_3\_125 +  
 X\_3\_134 + X\_3\_141 + X\_3\_145 + X\_3\_160 + X\_3\_165 + X\_3\_172 + X\_3\_177 +  
 X\_3\_188 +  
 X\_3\_200 + X\_3\_207 + X\_3\_216 + X\_3\_224 + X\_3\_227 + X\_3\_233 <= 3;  
 [\_1430] X\_3\_2 + X\_3\_13 + X\_3\_22 + X\_3\_30 + X\_3\_35 + X\_3\_48 + X\_3\_55 +  
 X\_3\_61 +  
 X\_3\_72 + X\_3\_74 + X\_3\_84 + X\_3\_96 + X\_3\_103 + X\_3\_106 + X\_3\_115 +  
 X\_3\_122 +  
 X\_3\_133 + X\_3\_142 + X\_3\_150 + X\_3\_155 + X\_3\_168 + X\_3\_175 + X\_3\_181 +  
 X\_3\_192 +  
 X\_3\_194 + X\_3\_204 + X\_3\_216 + X\_3\_223 + X\_3\_226 + X\_3\_235 <= 3;  
 [\_1431] X\_3\_4 + X\_3\_14 + X\_3\_19 + X\_3\_30 + X\_3\_34 + X\_3\_46 + X\_3\_49 +  
 X\_3\_58 +  
 X\_3\_67 + X\_3\_78 + X\_3\_81 + X\_3\_95 + X\_3\_98 + X\_3\_109 + X\_3\_119 +  
 X\_3\_124 + X\_3\_134  
 + X\_3\_139 + X\_3\_150 + X\_3\_154 + X\_3\_166 + X\_3\_169 + X\_3\_178 + X\_3\_187  
 + X\_3\_198 +  
 X\_3\_201 + X\_3\_215 + X\_3\_218 + X\_3\_229 + X\_3\_239 <= 3;  
 [\_1432] X\_3\_5 + X\_3\_10 + X\_3\_22 + X\_3\_28 + X\_3\_39 + X\_3\_42 + X\_3\_49 +  
 X\_3\_63 +  
 X\_3\_70 + X\_3\_77 + X\_3\_86 + X\_3\_90 + X\_3\_99 + X\_3\_108 + X\_3\_114 +  
 X\_3\_125 + X\_3\_130  
 + X\_3\_142 + X\_3\_148 + X\_3\_159 + X\_3\_162 + X\_3\_169 + X\_3\_183 + X\_3\_190  
 + X\_3\_197 +  
 X\_3\_206 + X\_3\_210 + X\_3\_219 + X\_3\_228 + X\_3\_234 <= 3;  
 [\_1433] X\_3\_1 + X\_3\_9 + X\_3\_21 + X\_3\_31 + X\_3\_35 + X\_3\_47 + X\_3\_53 +  
 X\_3\_63 +  
 X\_3\_67 + X\_3\_79 + X\_3\_88 + X\_3\_93 + X\_3\_102 + X\_3\_111 + X\_3\_117 +  
 X\_3\_121 +

$X_{3\_129} + X_{3\_141} + X_{3\_151} + X_{3\_155} + X_{3\_167} + X_{3\_173} + X_{3\_183} + X_{3\_187} +$   
 $X_{3\_199} + X_{3\_208} + X_{3\_213} + X_{3\_222} + X_{3\_231} + X_{3\_237} \leq 3;$   
 [\_1434]  $X_{3\_6} + X_{3\_16} + X_{3\_18} + X_{3\_26} + X_{3\_37} + X_{3\_42} + X_{3\_54} + X_{3\_60} +$   
 $X_{3\_68} + X_{3\_75} + X_{3\_84} + X_{3\_91} + X_{3\_101} + X_{3\_109} + X_{3\_117} + X_{3\_126} +$   
 $X_{3\_136} + X_{3\_138} + X_{3\_146} + X_{3\_157} + X_{3\_162} + X_{3\_174} + X_{3\_180} + X_{3\_188} +$   
 $X_{3\_195} + X_{3\_204} + X_{3\_211} + X_{3\_221} + X_{3\_229} + X_{3\_237} \leq 3;$   
 [\_1435]  $X_{3\_1} + X_{3\_15} + X_{3\_24} + X_{3\_27} + X_{3\_36} + X_{3\_44} + X_{3\_54} + X_{3\_61} +$   
 $X_{3\_65} + X_{3\_80} + X_{3\_85} + X_{3\_92} + X_{3\_97} + X_{3\_108} + X_{3\_119} + X_{3\_121} + X_{3\_135}$   
 $+ X_{3\_144} + X_{3\_147} + X_{3\_156} + X_{3\_164} + X_{3\_174} + X_{3\_181} + X_{3\_185} + X_{3\_200} +$   
 $X_{3\_205} + X_{3\_212} + X_{3\_217} + X_{3\_228} + X_{3\_239} \leq 3;$   
 [\_1436]  $X_{3\_6} + X_{3\_15} + X_{3\_23} + X_{3\_25} + X_{3\_38} + X_{3\_48} + X_{3\_56} + X_{3\_62} +$   
 $X_{3\_70} + X_{3\_78} + X_{3\_88} + X_{3\_89} + X_{3\_100} + X_{3\_110} + X_{3\_118} + X_{3\_126} +$   
 $X_{3\_135} + X_{3\_143} + X_{3\_145} + X_{3\_158} + X_{3\_168} + X_{3\_176} + X_{3\_182} + X_{3\_190} +$   
 $X_{3\_198} + X_{3\_208} + X_{3\_209} + X_{3\_220} + X_{3\_230} + X_{3\_238} \leq 3;$   
 [\_1437]  $X_{3\_8} + X_{3\_12} + X_{3\_18} + X_{3\_27} + X_{3\_33} + X_{3\_45} + X_{3\_50} + X_{3\_58} +$   
 $X_{3\_69} + X_{3\_77} + X_{3\_82} + X_{3\_93} + X_{3\_100} + X_{3\_112} + X_{3\_115} + X_{3\_128} +$   
 $X_{3\_132} + X_{3\_138} + X_{3\_147} + X_{3\_153} + X_{3\_165} + X_{3\_170} + X_{3\_178} + X_{3\_189} +$   
 $X_{3\_197} + X_{3\_202} + X_{3\_213} + X_{3\_220} + X_{3\_232} + X_{3\_235} \leq 3;$   
 [\_1438]  $X_{3\_7} + X_{3\_16} + X_{3\_24} + X_{3\_32} + X_{3\_40} + X_{3\_41} + X_{3\_55} + X_{3\_64} +$   
 $X_{3\_71} + X_{3\_79} + X_{3\_81} + X_{3\_89} + X_{3\_99} + X_{3\_112} + X_{3\_120} + X_{3\_127} + X_{3\_136}$   
 $+ X_{3\_144} + X_{3\_152} + X_{3\_160} + X_{3\_161} + X_{3\_175} + X_{3\_184} + X_{3\_191} + X_{3\_199} +$   
 $X_{3\_201} + X_{3\_209} + X_{3\_219} + X_{3\_232} + X_{3\_240} \leq 3;$   
 [\_1439]  $X_{3\_3} + X_{3\_13} + X_{3\_17} + X_{3\_29} + X_{3\_39} + X_{3\_46} + X_{3\_53} + X_{3\_62} +$   
 $X_{3\_71} + X_{3\_73} + X_{3\_82} + X_{3\_92} + X_{3\_101} + X_{3\_105} + X_{3\_113} + X_{3\_123} +$   
 $X_{3\_133} + X_{3\_137} + X_{3\_149} + X_{3\_159} + X_{3\_166} + X_{3\_173} + X_{3\_182} + X_{3\_191} +$   
 $X_{3\_193} + X_{3\_202} + X_{3\_212} + X_{3\_221} + X_{3\_225} + X_{3\_233} \leq 3;$   
 [\_1440]  $X_{4\_3} + X_{4\_10} + X_{4\_19} + X_{4\_31} + X_{4\_38} + X_{4\_41} + X_{4\_50} + X_{4\_59} +$   
 $X_{4\_66} + X_{4\_75} + X_{4\_85} + X_{4\_94} + X_{4\_104} + X_{4\_106} + X_{4\_116} + X_{4\_123} +$   
 $X_{4\_130} + X_{4\_139} + X_{4\_151} + X_{4\_158} + X_{4\_161} + X_{4\_170} + X_{4\_179} + X_{4\_186} +$   
 $X_{4\_195} + X_{4\_205} + X_{4\_214} + X_{4\_224} + X_{4\_226} + X_{4\_236} \leq 3;$   
 [\_1441]  $X_{4\_7} + X_{4\_12} + X_{4\_20} + X_{4\_29} + X_{4\_37} + X_{4\_44} + X_{4\_51} + X_{4\_57} +$   
 $X_{4\_66} + X_{4\_74} + X_{4\_83} + X_{4\_90} + X_{4\_98} + X_{4\_111} + X_{4\_118} + X_{4\_127} + X_{4\_132}$

+ X\_4\_140 + X\_4\_149 + X\_4\_157 + X\_4\_164 + X\_4\_171 + X\_4\_177 + X\_4\_186  
 + X\_4\_194 +  
 X\_4\_203 + X\_4\_210 + X\_4\_218 + X\_4\_231 + X\_4\_238 <= 3;  
 [\_1442] X\_4\_4 + X\_4\_9 + X\_4\_23 + X\_4\_32 + X\_4\_33 + X\_4\_43 + X\_4\_51 +  
 X\_4\_60 +  
 X\_4\_65 + X\_4\_76 + X\_4\_87 + X\_4\_94 + X\_4\_103 + X\_4\_105 + X\_4\_114 +  
 X\_4\_124 +  
 X\_4\_129 + X\_4\_143 + X\_4\_152 + X\_4\_153 + X\_4\_163 + X\_4\_171 + X\_4\_180 +  
 X\_4\_185 +  
 X\_4\_196 + X\_4\_207 + X\_4\_214 + X\_4\_223 + X\_4\_225 + X\_4\_234 <= 3;  
 [\_1443] X\_4\_2 + X\_4\_11 + X\_4\_17 + X\_4\_28 + X\_4\_34 + X\_4\_47 + X\_4\_56 +  
 X\_4\_64 +  
 X\_4\_69 + X\_4\_76 + X\_4\_83 + X\_4\_91 + X\_4\_97 + X\_4\_107 + X\_4\_116 +  
 X\_4\_122 + X\_4\_131  
 + X\_4\_137 + X\_4\_148 + X\_4\_154 + X\_4\_167 + X\_4\_176 + X\_4\_184 + X\_4\_189  
 + X\_4\_196 +  
 X\_4\_203 + X\_4\_211 + X\_4\_217 + X\_4\_227 + X\_4\_236 <= 3;  
 [\_1444] X\_4\_8 + X\_4\_11 + X\_4\_20 + X\_4\_26 + X\_4\_36 + X\_4\_43 + X\_4\_52 +  
 X\_4\_59 +  
 X\_4\_72 + X\_4\_73 + X\_4\_86 + X\_4\_95 + X\_4\_102 + X\_4\_110 + X\_4\_120 +  
 X\_4\_128 +  
 X\_4\_131 + X\_4\_140 + X\_4\_146 + X\_4\_156 + X\_4\_163 + X\_4\_172 + X\_4\_179 +  
 X\_4\_192 +  
 X\_4\_193 + X\_4\_206 + X\_4\_215 + X\_4\_222 + X\_4\_230 + X\_4\_240 <= 3;  
 [\_1445] X\_4\_5 + X\_4\_14 + X\_4\_21 + X\_4\_25 + X\_4\_40 + X\_4\_45 + X\_4\_52 +  
 X\_4\_57 +  
 X\_4\_68 + X\_4\_80 + X\_4\_87 + X\_4\_96 + X\_4\_104 + X\_4\_107 + X\_4\_113 +  
 X\_4\_125 +  
 X\_4\_134 + X\_4\_141 + X\_4\_145 + X\_4\_160 + X\_4\_165 + X\_4\_172 + X\_4\_177 +  
 X\_4\_188 +  
 X\_4\_200 + X\_4\_207 + X\_4\_216 + X\_4\_224 + X\_4\_227 + X\_4\_233 <= 3;  
 [\_1446] X\_4\_2 + X\_4\_13 + X\_4\_22 + X\_4\_30 + X\_4\_35 + X\_4\_48 + X\_4\_55 +  
 X\_4\_61 +  
 X\_4\_72 + X\_4\_74 + X\_4\_84 + X\_4\_96 + X\_4\_103 + X\_4\_106 + X\_4\_115 +  
 X\_4\_122 +  
 X\_4\_133 + X\_4\_142 + X\_4\_150 + X\_4\_155 + X\_4\_168 + X\_4\_175 + X\_4\_181 +  
 X\_4\_192 +  
 X\_4\_194 + X\_4\_204 + X\_4\_216 + X\_4\_223 + X\_4\_226 + X\_4\_235 <= 3;  
 [\_1447] X\_4\_4 + X\_4\_14 + X\_4\_19 + X\_4\_30 + X\_4\_34 + X\_4\_46 + X\_4\_49 +  
 X\_4\_58 +  
 X\_4\_67 + X\_4\_78 + X\_4\_81 + X\_4\_95 + X\_4\_98 + X\_4\_109 + X\_4\_119 +  
 X\_4\_124 + X\_4\_134  
 + X\_4\_139 + X\_4\_150 + X\_4\_154 + X\_4\_166 + X\_4\_169 + X\_4\_178 + X\_4\_187  
 + X\_4\_198 +  
 X\_4\_201 + X\_4\_215 + X\_4\_218 + X\_4\_229 + X\_4\_239 <= 3;  
 [\_1448] X\_4\_5 + X\_4\_10 + X\_4\_22 + X\_4\_28 + X\_4\_39 + X\_4\_42 + X\_4\_49 +  
 X\_4\_63 +  
 X\_4\_70 + X\_4\_77 + X\_4\_86 + X\_4\_90 + X\_4\_99 + X\_4\_108 + X\_4\_114 +  
 X\_4\_125 + X\_4\_130  
 + X\_4\_142 + X\_4\_148 + X\_4\_159 + X\_4\_162 + X\_4\_169 + X\_4\_183 + X\_4\_190  
 + X\_4\_197 +  
 X\_4\_206 + X\_4\_210 + X\_4\_219 + X\_4\_228 + X\_4\_234 <= 3;  
 [\_1449] X\_4\_1 + X\_4\_9 + X\_4\_21 + X\_4\_31 + X\_4\_35 + X\_4\_47 + X\_4\_53 +  
 X\_4\_63 +  
 X\_4\_67 + X\_4\_79 + X\_4\_88 + X\_4\_93 + X\_4\_102 + X\_4\_111 + X\_4\_117 +  
 X\_4\_121 +

$X_{4\_129} + X_{4\_141} + X_{4\_151} + X_{4\_155} + X_{4\_167} + X_{4\_173} + X_{4\_183} + X_{4\_187} +$   
 $X_{4\_199} + X_{4\_208} + X_{4\_213} + X_{4\_222} + X_{4\_231} + X_{4\_237} \leq 3;$   
 [\_1450]  $X_{4\_6} + X_{4\_16} + X_{4\_18} + X_{4\_26} + X_{4\_37} + X_{4\_42} + X_{4\_54} + X_{4\_60} +$   
 $X_{4\_68} + X_{4\_75} + X_{4\_84} + X_{4\_91} + X_{4\_101} + X_{4\_109} + X_{4\_117} + X_{4\_126} +$   
 $X_{4\_136} + X_{4\_138} + X_{4\_146} + X_{4\_157} + X_{4\_162} + X_{4\_174} + X_{4\_180} + X_{4\_188} +$   
 $X_{4\_195} + X_{4\_204} + X_{4\_211} + X_{4\_221} + X_{4\_229} + X_{4\_237} \leq 3;$   
 [\_1451]  $X_{4\_1} + X_{4\_15} + X_{4\_24} + X_{4\_27} + X_{4\_36} + X_{4\_44} + X_{4\_54} + X_{4\_61} +$   
 $X_{4\_65} + X_{4\_80} + X_{4\_85} + X_{4\_92} + X_{4\_97} + X_{4\_108} + X_{4\_119} + X_{4\_121} + X_{4\_135}$   
 $+ X_{4\_144} + X_{4\_147} + X_{4\_156} + X_{4\_164} + X_{4\_174} + X_{4\_181} + X_{4\_185} + X_{4\_200} +$   
 $X_{4\_205} + X_{4\_212} + X_{4\_217} + X_{4\_228} + X_{4\_239} \leq 3;$   
 [\_1452]  $X_{4\_6} + X_{4\_15} + X_{4\_23} + X_{4\_25} + X_{4\_38} + X_{4\_48} + X_{4\_56} + X_{4\_62} +$   
 $X_{4\_70} + X_{4\_78} + X_{4\_88} + X_{4\_89} + X_{4\_100} + X_{4\_110} + X_{4\_118} + X_{4\_126} +$   
 $X_{4\_135} + X_{4\_143} + X_{4\_145} + X_{4\_158} + X_{4\_168} + X_{4\_176} + X_{4\_182} + X_{4\_190} +$   
 $X_{4\_198} + X_{4\_208} + X_{4\_209} + X_{4\_220} + X_{4\_230} + X_{4\_238} \leq 3;$   
 [\_1453]  $X_{4\_8} + X_{4\_12} + X_{4\_18} + X_{4\_27} + X_{4\_33} + X_{4\_45} + X_{4\_50} + X_{4\_58} +$   
 $X_{4\_69} + X_{4\_77} + X_{4\_82} + X_{4\_93} + X_{4\_100} + X_{4\_112} + X_{4\_115} + X_{4\_128} +$   
 $X_{4\_132} + X_{4\_138} + X_{4\_147} + X_{4\_153} + X_{4\_165} + X_{4\_170} + X_{4\_178} + X_{4\_189} +$   
 $X_{4\_197} + X_{4\_202} + X_{4\_213} + X_{4\_220} + X_{4\_232} + X_{4\_235} \leq 3;$   
 [\_1454]  $X_{4\_7} + X_{4\_16} + X_{4\_24} + X_{4\_32} + X_{4\_40} + X_{4\_41} + X_{4\_55} + X_{4\_64} +$   
 $X_{4\_71} + X_{4\_79} + X_{4\_81} + X_{4\_89} + X_{4\_99} + X_{4\_112} + X_{4\_120} + X_{4\_127} + X_{4\_136}$   
 $+ X_{4\_144} + X_{4\_152} + X_{4\_160} + X_{4\_161} + X_{4\_175} + X_{4\_184} + X_{4\_191} + X_{4\_199} +$   
 $X_{4\_201} + X_{4\_209} + X_{4\_219} + X_{4\_232} + X_{4\_240} \leq 3;$   
 [\_1455]  $X_{4\_3} + X_{4\_13} + X_{4\_17} + X_{4\_29} + X_{4\_39} + X_{4\_46} + X_{4\_53} + X_{4\_62} +$   
 $X_{4\_71} + X_{4\_73} + X_{4\_82} + X_{4\_92} + X_{4\_101} + X_{4\_105} + X_{4\_113} + X_{4\_123} +$   
 $X_{4\_133} + X_{4\_137} + X_{4\_149} + X_{4\_159} + X_{4\_166} + X_{4\_173} + X_{4\_182} + X_{4\_191} +$   
 $X_{4\_193} + X_{4\_202} + X_{4\_212} + X_{4\_221} + X_{4\_225} + X_{4\_233} \leq 3;$   
 [\_1456]  $X_{5\_3} + X_{5\_10} + X_{5\_19} + X_{5\_31} + X_{5\_38} + X_{5\_41} + X_{5\_50} + X_{5\_59} +$   
 $X_{5\_66} + X_{5\_75} + X_{5\_85} + X_{5\_94} + X_{5\_104} + X_{5\_106} + X_{5\_116} + X_{5\_123} +$   
 $X_{5\_130} + X_{5\_139} + X_{5\_151} + X_{5\_158} + X_{5\_161} + X_{5\_170} + X_{5\_179} + X_{5\_186} +$   
 $X_{5\_195} + X_{5\_205} + X_{5\_214} + X_{5\_224} + X_{5\_226} + X_{5\_236} \leq 3;$   
 [\_1457]  $X_{5\_7} + X_{5\_12} + X_{5\_20} + X_{5\_29} + X_{5\_37} + X_{5\_44} + X_{5\_51} + X_{5\_57} +$   
 $X_{5\_66} + X_{5\_74} + X_{5\_83} + X_{5\_90} + X_{5\_98} + X_{5\_111} + X_{5\_118} + X_{5\_127} + X_{5\_132}$

+ X\_5\_140 + X\_5\_149 + X\_5\_157 + X\_5\_164 + X\_5\_171 + X\_5\_177 + X\_5\_186  
 + X\_5\_194 +  
 X\_5\_203 + X\_5\_210 + X\_5\_218 + X\_5\_231 + X\_5\_238 <= 3;  
 [\_1458] X\_5\_4 + X\_5\_9 + X\_5\_23 + X\_5\_32 + X\_5\_33 + X\_5\_43 + X\_5\_51 +  
 X\_5\_60 +  
 X\_5\_65 + X\_5\_76 + X\_5\_87 + X\_5\_94 + X\_5\_103 + X\_5\_105 + X\_5\_114 +  
 X\_5\_124 +  
 X\_5\_129 + X\_5\_143 + X\_5\_152 + X\_5\_153 + X\_5\_163 + X\_5\_171 + X\_5\_180 +  
 X\_5\_185 +  
 X\_5\_196 + X\_5\_207 + X\_5\_214 + X\_5\_223 + X\_5\_225 + X\_5\_234 <= 3;  
 [\_1459] X\_5\_2 + X\_5\_11 + X\_5\_17 + X\_5\_28 + X\_5\_34 + X\_5\_47 + X\_5\_56 +  
 X\_5\_64 +  
 X\_5\_69 + X\_5\_76 + X\_5\_83 + X\_5\_91 + X\_5\_97 + X\_5\_107 + X\_5\_116 +  
 X\_5\_122 + X\_5\_131  
 + X\_5\_137 + X\_5\_148 + X\_5\_154 + X\_5\_167 + X\_5\_176 + X\_5\_184 + X\_5\_189  
 + X\_5\_196 +  
 X\_5\_203 + X\_5\_211 + X\_5\_217 + X\_5\_227 + X\_5\_236 <= 3;  
 [\_1460] X\_5\_8 + X\_5\_11 + X\_5\_20 + X\_5\_26 + X\_5\_36 + X\_5\_43 + X\_5\_52 +  
 X\_5\_59 +  
 X\_5\_72 + X\_5\_73 + X\_5\_86 + X\_5\_95 + X\_5\_102 + X\_5\_110 + X\_5\_120 +  
 X\_5\_128 +  
 X\_5\_131 + X\_5\_140 + X\_5\_146 + X\_5\_156 + X\_5\_163 + X\_5\_172 + X\_5\_179 +  
 X\_5\_192 +  
 X\_5\_193 + X\_5\_206 + X\_5\_215 + X\_5\_222 + X\_5\_230 + X\_5\_240 <= 3;  
 [\_1461] X\_5\_5 + X\_5\_14 + X\_5\_21 + X\_5\_25 + X\_5\_40 + X\_5\_45 + X\_5\_52 +  
 X\_5\_57 +  
 X\_5\_68 + X\_5\_80 + X\_5\_87 + X\_5\_96 + X\_5\_104 + X\_5\_107 + X\_5\_113 +  
 X\_5\_125 +  
 X\_5\_134 + X\_5\_141 + X\_5\_145 + X\_5\_160 + X\_5\_165 + X\_5\_172 + X\_5\_177 +  
 X\_5\_188 +  
 X\_5\_200 + X\_5\_207 + X\_5\_216 + X\_5\_224 + X\_5\_227 + X\_5\_233 <= 3;  
 [\_1462] X\_5\_2 + X\_5\_13 + X\_5\_22 + X\_5\_30 + X\_5\_35 + X\_5\_48 + X\_5\_55 +  
 X\_5\_61 +  
 X\_5\_72 + X\_5\_74 + X\_5\_84 + X\_5\_96 + X\_5\_103 + X\_5\_106 + X\_5\_115 +  
 X\_5\_122 +  
 X\_5\_133 + X\_5\_142 + X\_5\_150 + X\_5\_155 + X\_5\_168 + X\_5\_175 + X\_5\_181 +  
 X\_5\_192 +  
 X\_5\_194 + X\_5\_204 + X\_5\_216 + X\_5\_223 + X\_5\_226 + X\_5\_235 <= 3;  
 [\_1463] X\_5\_4 + X\_5\_14 + X\_5\_19 + X\_5\_30 + X\_5\_34 + X\_5\_46 + X\_5\_49 +  
 X\_5\_58 +  
 X\_5\_67 + X\_5\_78 + X\_5\_81 + X\_5\_95 + X\_5\_98 + X\_5\_109 + X\_5\_119 +  
 X\_5\_124 + X\_5\_134  
 + X\_5\_139 + X\_5\_150 + X\_5\_154 + X\_5\_166 + X\_5\_169 + X\_5\_178 + X\_5\_187  
 + X\_5\_198 +  
 X\_5\_201 + X\_5\_215 + X\_5\_218 + X\_5\_229 + X\_5\_239 <= 3;  
 [\_1464] X\_5\_5 + X\_5\_10 + X\_5\_22 + X\_5\_28 + X\_5\_39 + X\_5\_42 + X\_5\_49 +  
 X\_5\_63 +  
 X\_5\_70 + X\_5\_77 + X\_5\_86 + X\_5\_90 + X\_5\_99 + X\_5\_108 + X\_5\_114 +  
 X\_5\_125 + X\_5\_130  
 + X\_5\_142 + X\_5\_148 + X\_5\_159 + X\_5\_162 + X\_5\_169 + X\_5\_183 + X\_5\_190  
 + X\_5\_197 +  
 X\_5\_206 + X\_5\_210 + X\_5\_219 + X\_5\_228 + X\_5\_234 <= 3;  
 [\_1465] X\_5\_1 + X\_5\_9 + X\_5\_21 + X\_5\_31 + X\_5\_35 + X\_5\_47 + X\_5\_53 +  
 X\_5\_63 +  
 X\_5\_67 + X\_5\_79 + X\_5\_88 + X\_5\_93 + X\_5\_102 + X\_5\_111 + X\_5\_117 +  
 X\_5\_121 +



$X_{5\_129} + X_{5\_141} + X_{5\_151} + X_{5\_155} + X_{5\_167} + X_{5\_173} + X_{5\_183} + X_{5\_187} +$   
 $X_{5\_199} + X_{5\_208} + X_{5\_213} + X_{5\_222} + X_{5\_231} + X_{5\_237} \leq 3;$   
 [\_1466]  $X_{5\_6} + X_{5\_16} + X_{5\_18} + X_{5\_26} + X_{5\_37} + X_{5\_42} + X_{5\_54} + X_{5\_60} +$   
 $X_{5\_68} + X_{5\_75} + X_{5\_84} + X_{5\_91} + X_{5\_101} + X_{5\_109} + X_{5\_117} + X_{5\_126} +$   
 $X_{5\_136} + X_{5\_138} + X_{5\_146} + X_{5\_157} + X_{5\_162} + X_{5\_174} + X_{5\_180} + X_{5\_188} +$   
 $X_{5\_195} + X_{5\_204} + X_{5\_211} + X_{5\_221} + X_{5\_229} + X_{5\_237} \leq 3;$   
 [\_1467]  $X_{5\_1} + X_{5\_15} + X_{5\_24} + X_{5\_27} + X_{5\_36} + X_{5\_44} + X_{5\_54} + X_{5\_61} +$   
 $X_{5\_65} + X_{5\_80} + X_{5\_85} + X_{5\_92} + X_{5\_97} + X_{5\_108} + X_{5\_119} + X_{5\_121} + X_{5\_135}$   
 $+ X_{5\_144} + X_{5\_147} + X_{5\_156} + X_{5\_164} + X_{5\_174} + X_{5\_181} + X_{5\_185} + X_{5\_200} +$   
 $X_{5\_205} + X_{5\_212} + X_{5\_217} + X_{5\_228} + X_{5\_239} \leq 3;$   
 [\_1468]  $X_{5\_6} + X_{5\_15} + X_{5\_23} + X_{5\_25} + X_{5\_38} + X_{5\_48} + X_{5\_56} + X_{5\_62} +$   
 $X_{5\_70} + X_{5\_78} + X_{5\_88} + X_{5\_89} + X_{5\_100} + X_{5\_110} + X_{5\_118} + X_{5\_126} +$   
 $X_{5\_135} + X_{5\_143} + X_{5\_145} + X_{5\_158} + X_{5\_168} + X_{5\_176} + X_{5\_182} + X_{5\_190} +$   
 $X_{5\_198} + X_{5\_208} + X_{5\_209} + X_{5\_220} + X_{5\_230} + X_{5\_238} \leq 3;$   
 [\_1469]  $X_{5\_8} + X_{5\_12} + X_{5\_18} + X_{5\_27} + X_{5\_33} + X_{5\_45} + X_{5\_50} + X_{5\_58} +$   
 $X_{5\_69} + X_{5\_77} + X_{5\_82} + X_{5\_93} + X_{5\_100} + X_{5\_112} + X_{5\_115} + X_{5\_128} +$   
 $X_{5\_132} + X_{5\_138} + X_{5\_147} + X_{5\_153} + X_{5\_165} + X_{5\_170} + X_{5\_178} + X_{5\_189} +$   
 $X_{5\_197} + X_{5\_202} + X_{5\_213} + X_{5\_220} + X_{5\_232} + X_{5\_235} \leq 3;$   
 [\_1470]  $X_{5\_7} + X_{5\_16} + X_{5\_24} + X_{5\_32} + X_{5\_40} + X_{5\_41} + X_{5\_55} + X_{5\_64} +$   
 $X_{5\_71} + X_{5\_79} + X_{5\_81} + X_{5\_89} + X_{5\_99} + X_{5\_112} + X_{5\_120} + X_{5\_127} + X_{5\_136}$   
 $+ X_{5\_144} + X_{5\_152} + X_{5\_160} + X_{5\_161} + X_{5\_175} + X_{5\_184} + X_{5\_191} + X_{5\_199} +$   
 $X_{5\_201} + X_{5\_209} + X_{5\_219} + X_{5\_232} + X_{5\_240} \leq 3;$   
 [\_1471]  $X_{5\_3} + X_{5\_13} + X_{5\_17} + X_{5\_29} + X_{5\_39} + X_{5\_46} + X_{5\_53} + X_{5\_62} +$   
 $X_{5\_71} + X_{5\_73} + X_{5\_82} + X_{5\_92} + X_{5\_101} + X_{5\_105} + X_{5\_113} + X_{5\_123} +$   
 $X_{5\_133} + X_{5\_137} + X_{5\_149} + X_{5\_159} + X_{5\_166} + X_{5\_173} + X_{5\_182} + X_{5\_191} +$   
 $X_{5\_193} + X_{5\_202} + X_{5\_212} + X_{5\_221} + X_{5\_225} + X_{5\_233} \leq 3;$   
 [\_1472]  $X_{6\_3} + X_{6\_10} + X_{6\_19} + X_{6\_31} + X_{6\_38} + X_{6\_41} + X_{6\_50} + X_{6\_59} +$   
 $X_{6\_66} + X_{6\_75} + X_{6\_85} + X_{6\_94} + X_{6\_104} + X_{6\_106} + X_{6\_116} + X_{6\_123} +$   
 $X_{6\_130} + X_{6\_139} + X_{6\_151} + X_{6\_158} + X_{6\_161} + X_{6\_170} + X_{6\_179} + X_{6\_186} +$   
 $X_{6\_195} + X_{6\_205} + X_{6\_214} + X_{6\_224} + X_{6\_226} + X_{6\_236} \leq 3;$   
 [\_1473]  $X_{6\_7} + X_{6\_12} + X_{6\_20} + X_{6\_29} + X_{6\_37} + X_{6\_44} + X_{6\_51} + X_{6\_57} +$   
 $X_{6\_66} + X_{6\_74} + X_{6\_83} + X_{6\_90} + X_{6\_98} + X_{6\_111} + X_{6\_118} + X_{6\_127} + X_{6\_132}$

+ X\_6\_140 + X\_6\_149 + X\_6\_157 + X\_6\_164 + X\_6\_171 + X\_6\_177 + X\_6\_186  
 + X\_6\_194 +  
 X\_6\_203 + X\_6\_210 + X\_6\_218 + X\_6\_231 + X\_6\_238 <= 3;  
 [\_1474] X\_6\_4 + X\_6\_9 + X\_6\_23 + X\_6\_32 + X\_6\_33 + X\_6\_43 + X\_6\_51 +  
 X\_6\_60 +  
 X\_6\_65 + X\_6\_76 + X\_6\_87 + X\_6\_94 + X\_6\_103 + X\_6\_105 + X\_6\_114 +  
 X\_6\_124 +  
 X\_6\_129 + X\_6\_143 + X\_6\_152 + X\_6\_153 + X\_6\_163 + X\_6\_171 + X\_6\_180 +  
 X\_6\_185 +  
 X\_6\_196 + X\_6\_207 + X\_6\_214 + X\_6\_223 + X\_6\_225 + X\_6\_234 <= 3;  
 [\_1475] X\_6\_2 + X\_6\_11 + X\_6\_17 + X\_6\_28 + X\_6\_34 + X\_6\_47 + X\_6\_56 +  
 X\_6\_64 +  
 X\_6\_69 + X\_6\_76 + X\_6\_83 + X\_6\_91 + X\_6\_97 + X\_6\_107 + X\_6\_116 +  
 X\_6\_122 + X\_6\_131  
 + X\_6\_137 + X\_6\_148 + X\_6\_154 + X\_6\_167 + X\_6\_176 + X\_6\_184 + X\_6\_189  
 + X\_6\_196 +  
 X\_6\_203 + X\_6\_211 + X\_6\_217 + X\_6\_227 + X\_6\_236 <= 3;  
 [\_1476] X\_6\_8 + X\_6\_11 + X\_6\_20 + X\_6\_26 + X\_6\_36 + X\_6\_43 + X\_6\_52 +  
 X\_6\_59 +  
 X\_6\_72 + X\_6\_73 + X\_6\_86 + X\_6\_95 + X\_6\_102 + X\_6\_110 + X\_6\_120 +  
 X\_6\_128 +  
 X\_6\_131 + X\_6\_140 + X\_6\_146 + X\_6\_156 + X\_6\_163 + X\_6\_172 + X\_6\_179 +  
 X\_6\_192 +  
 X\_6\_193 + X\_6\_206 + X\_6\_215 + X\_6\_222 + X\_6\_230 + X\_6\_240 <= 3;  
 [\_1477] X\_6\_5 + X\_6\_14 + X\_6\_21 + X\_6\_25 + X\_6\_40 + X\_6\_45 + X\_6\_52 +  
 X\_6\_57 +  
 X\_6\_68 + X\_6\_80 + X\_6\_87 + X\_6\_96 + X\_6\_104 + X\_6\_107 + X\_6\_113 +  
 X\_6\_125 +  
 X\_6\_134 + X\_6\_141 + X\_6\_145 + X\_6\_160 + X\_6\_165 + X\_6\_172 + X\_6\_177 +  
 X\_6\_188 +  
 X\_6\_200 + X\_6\_207 + X\_6\_216 + X\_6\_224 + X\_6\_227 + X\_6\_233 <= 3;  
 [\_1478] X\_6\_2 + X\_6\_13 + X\_6\_22 + X\_6\_30 + X\_6\_35 + X\_6\_48 + X\_6\_55 +  
 X\_6\_61 +  
 X\_6\_72 + X\_6\_74 + X\_6\_84 + X\_6\_96 + X\_6\_103 + X\_6\_106 + X\_6\_115 +  
 X\_6\_122 +  
 X\_6\_133 + X\_6\_142 + X\_6\_150 + X\_6\_155 + X\_6\_168 + X\_6\_175 + X\_6\_181 +  
 X\_6\_192 +  
 X\_6\_194 + X\_6\_204 + X\_6\_216 + X\_6\_223 + X\_6\_226 + X\_6\_235 <= 3;  
 [\_1479] X\_6\_4 + X\_6\_14 + X\_6\_19 + X\_6\_30 + X\_6\_34 + X\_6\_46 + X\_6\_49 +  
 X\_6\_58 +  
 X\_6\_67 + X\_6\_78 + X\_6\_81 + X\_6\_95 + X\_6\_98 + X\_6\_109 + X\_6\_119 +  
 X\_6\_124 + X\_6\_134  
 + X\_6\_139 + X\_6\_150 + X\_6\_154 + X\_6\_166 + X\_6\_169 + X\_6\_178 + X\_6\_187  
 + X\_6\_198 +  
 X\_6\_201 + X\_6\_215 + X\_6\_218 + X\_6\_229 + X\_6\_239 <= 3;  
 [\_1480] X\_6\_5 + X\_6\_10 + X\_6\_22 + X\_6\_28 + X\_6\_39 + X\_6\_42 + X\_6\_49 +  
 X\_6\_63 +  
 X\_6\_70 + X\_6\_77 + X\_6\_86 + X\_6\_90 + X\_6\_99 + X\_6\_108 + X\_6\_114 +  
 X\_6\_125 + X\_6\_130  
 + X\_6\_142 + X\_6\_148 + X\_6\_159 + X\_6\_162 + X\_6\_169 + X\_6\_183 + X\_6\_190  
 + X\_6\_197 +  
 X\_6\_206 + X\_6\_210 + X\_6\_219 + X\_6\_228 + X\_6\_234 <= 3;  
 [\_1481] X\_6\_1 + X\_6\_9 + X\_6\_21 + X\_6\_31 + X\_6\_35 + X\_6\_47 + X\_6\_53 +  
 X\_6\_63 +  
 X\_6\_67 + X\_6\_79 + X\_6\_88 + X\_6\_93 + X\_6\_102 + X\_6\_111 + X\_6\_117 +  
 X\_6\_121 +

$X_{6\_129} + X_{6\_141} + X_{6\_151} + X_{6\_155} + X_{6\_167} + X_{6\_173} + X_{6\_183} + X_{6\_187} +$   
 $X_{6\_199} + X_{6\_208} + X_{6\_213} + X_{6\_222} + X_{6\_231} + X_{6\_237} \leq 3;$   
 [\_1482]  $X_{6\_6} + X_{6\_16} + X_{6\_18} + X_{6\_26} + X_{6\_37} + X_{6\_42} + X_{6\_54} + X_{6\_60} +$   
 $X_{6\_68} + X_{6\_75} + X_{6\_84} + X_{6\_91} + X_{6\_101} + X_{6\_109} + X_{6\_117} + X_{6\_126} +$   
 $X_{6\_136} + X_{6\_138} + X_{6\_146} + X_{6\_157} + X_{6\_162} + X_{6\_174} + X_{6\_180} + X_{6\_188} +$   
 $X_{6\_195} + X_{6\_204} + X_{6\_211} + X_{6\_221} + X_{6\_229} + X_{6\_237} \leq 3;$   
 [\_1483]  $X_{6\_1} + X_{6\_15} + X_{6\_24} + X_{6\_27} + X_{6\_36} + X_{6\_44} + X_{6\_54} + X_{6\_61} +$   
 $X_{6\_65} + X_{6\_80} + X_{6\_85} + X_{6\_92} + X_{6\_97} + X_{6\_108} + X_{6\_119} + X_{6\_121} + X_{6\_135}$   
 $+ X_{6\_144} + X_{6\_147} + X_{6\_156} + X_{6\_164} + X_{6\_174} + X_{6\_181} + X_{6\_185} + X_{6\_200} +$   
 $X_{6\_205} + X_{6\_212} + X_{6\_217} + X_{6\_228} + X_{6\_239} \leq 3;$   
 [\_1484]  $X_{6\_6} + X_{6\_15} + X_{6\_23} + X_{6\_25} + X_{6\_38} + X_{6\_48} + X_{6\_56} + X_{6\_62} +$   
 $X_{6\_70} + X_{6\_78} + X_{6\_88} + X_{6\_89} + X_{6\_100} + X_{6\_110} + X_{6\_118} + X_{6\_126} +$   
 $X_{6\_135} + X_{6\_143} + X_{6\_145} + X_{6\_158} + X_{6\_168} + X_{6\_176} + X_{6\_182} + X_{6\_190} +$   
 $X_{6\_198} + X_{6\_208} + X_{6\_209} + X_{6\_220} + X_{6\_230} + X_{6\_238} \leq 3;$   
 [\_1485]  $X_{6\_8} + X_{6\_12} + X_{6\_18} + X_{6\_27} + X_{6\_33} + X_{6\_45} + X_{6\_50} + X_{6\_58} +$   
 $X_{6\_69} + X_{6\_77} + X_{6\_82} + X_{6\_93} + X_{6\_100} + X_{6\_112} + X_{6\_115} + X_{6\_128} +$   
 $X_{6\_132} + X_{6\_138} + X_{6\_147} + X_{6\_153} + X_{6\_165} + X_{6\_170} + X_{6\_178} + X_{6\_189} +$   
 $X_{6\_197} + X_{6\_202} + X_{6\_213} + X_{6\_220} + X_{6\_232} + X_{6\_235} \leq 3;$   
 [\_1486]  $X_{6\_7} + X_{6\_16} + X_{6\_24} + X_{6\_32} + X_{6\_40} + X_{6\_41} + X_{6\_55} + X_{6\_64} +$   
 $X_{6\_71} + X_{6\_79} + X_{6\_81} + X_{6\_89} + X_{6\_99} + X_{6\_112} + X_{6\_120} + X_{6\_127} + X_{6\_136}$   
 $+ X_{6\_144} + X_{6\_152} + X_{6\_160} + X_{6\_161} + X_{6\_175} + X_{6\_184} + X_{6\_191} + X_{6\_199} +$   
 $X_{6\_201} + X_{6\_209} + X_{6\_219} + X_{6\_232} + X_{6\_240} \leq 3;$   
 [\_1487]  $X_{6\_3} + X_{6\_13} + X_{6\_17} + X_{6\_29} + X_{6\_39} + X_{6\_46} + X_{6\_53} + X_{6\_62} +$   
 $X_{6\_71} + X_{6\_73} + X_{6\_82} + X_{6\_92} + X_{6\_101} + X_{6\_105} + X_{6\_113} + X_{6\_123} +$   
 $X_{6\_133} + X_{6\_137} + X_{6\_149} + X_{6\_159} + X_{6\_166} + X_{6\_173} + X_{6\_182} + X_{6\_191} +$   
 $X_{6\_193} + X_{6\_202} + X_{6\_212} + X_{6\_221} + X_{6\_225} + X_{6\_233} \leq 3;$   
 [\_1488]  $X_{7\_3} + X_{7\_10} + X_{7\_19} + X_{7\_31} + X_{7\_38} + X_{7\_41} + X_{7\_50} + X_{7\_59} +$   
 $X_{7\_66} + X_{7\_75} + X_{7\_85} + X_{7\_94} + X_{7\_104} + X_{7\_106} + X_{7\_116} + X_{7\_123} +$   
 $X_{7\_130} + X_{7\_139} + X_{7\_151} + X_{7\_158} + X_{7\_161} + X_{7\_170} + X_{7\_179} + X_{7\_186} +$   
 $X_{7\_195} + X_{7\_205} + X_{7\_214} + X_{7\_224} + X_{7\_226} + X_{7\_236} \leq 3;$   
 [\_1489]  $X_{7\_7} + X_{7\_12} + X_{7\_20} + X_{7\_29} + X_{7\_37} + X_{7\_44} + X_{7\_51} + X_{7\_57} +$   
 $X_{7\_66} + X_{7\_74} + X_{7\_83} + X_{7\_90} + X_{7\_98} + X_{7\_111} + X_{7\_118} + X_{7\_127} + X_{7\_132}$

+ X\_7\_140 + X\_7\_149 + X\_7\_157 + X\_7\_164 + X\_7\_171 + X\_7\_177 + X\_7\_186  
 + X\_7\_194 +  
 X\_7\_203 + X\_7\_210 + X\_7\_218 + X\_7\_231 + X\_7\_238 <= 3;  
 [\_1490] X\_7\_4 + X\_7\_9 + X\_7\_23 + X\_7\_32 + X\_7\_33 + X\_7\_43 + X\_7\_51 +  
 X\_7\_60 +  
 X\_7\_65 + X\_7\_76 + X\_7\_87 + X\_7\_94 + X\_7\_103 + X\_7\_105 + X\_7\_114 +  
 X\_7\_124 +  
 X\_7\_129 + X\_7\_143 + X\_7\_152 + X\_7\_153 + X\_7\_163 + X\_7\_171 + X\_7\_180 +  
 X\_7\_185 +  
 X\_7\_196 + X\_7\_207 + X\_7\_214 + X\_7\_223 + X\_7\_225 + X\_7\_234 <= 3;  
 [\_1491] X\_7\_2 + X\_7\_11 + X\_7\_17 + X\_7\_28 + X\_7\_34 + X\_7\_47 + X\_7\_56 +  
 X\_7\_64 +  
 X\_7\_69 + X\_7\_76 + X\_7\_83 + X\_7\_91 + X\_7\_97 + X\_7\_107 + X\_7\_116 +  
 X\_7\_122 + X\_7\_131  
 + X\_7\_137 + X\_7\_148 + X\_7\_154 + X\_7\_167 + X\_7\_176 + X\_7\_184 + X\_7\_189  
 + X\_7\_196 +  
 X\_7\_203 + X\_7\_211 + X\_7\_217 + X\_7\_227 + X\_7\_236 <= 3;  
 [\_1492] X\_7\_8 + X\_7\_11 + X\_7\_20 + X\_7\_26 + X\_7\_36 + X\_7\_43 + X\_7\_52 +  
 X\_7\_59 +  
 X\_7\_72 + X\_7\_73 + X\_7\_86 + X\_7\_95 + X\_7\_102 + X\_7\_110 + X\_7\_120 +  
 X\_7\_128 +  
 X\_7\_131 + X\_7\_140 + X\_7\_146 + X\_7\_156 + X\_7\_163 + X\_7\_172 + X\_7\_179 +  
 X\_7\_192 +  
 X\_7\_193 + X\_7\_206 + X\_7\_215 + X\_7\_222 + X\_7\_230 + X\_7\_240 <= 3;  
 [\_1493] X\_7\_5 + X\_7\_14 + X\_7\_21 + X\_7\_25 + X\_7\_40 + X\_7\_45 + X\_7\_52 +  
 X\_7\_57 +  
 X\_7\_68 + X\_7\_80 + X\_7\_87 + X\_7\_96 + X\_7\_104 + X\_7\_107 + X\_7\_113 +  
 X\_7\_125 +  
 X\_7\_134 + X\_7\_141 + X\_7\_145 + X\_7\_160 + X\_7\_165 + X\_7\_172 + X\_7\_177 +  
 X\_7\_188 +  
 X\_7\_200 + X\_7\_207 + X\_7\_216 + X\_7\_224 + X\_7\_227 + X\_7\_233 <= 3;  
 [\_1494] X\_7\_2 + X\_7\_13 + X\_7\_22 + X\_7\_30 + X\_7\_35 + X\_7\_48 + X\_7\_55 +  
 X\_7\_61 +  
 X\_7\_72 + X\_7\_74 + X\_7\_84 + X\_7\_96 + X\_7\_103 + X\_7\_106 + X\_7\_115 +  
 X\_7\_122 +  
 X\_7\_133 + X\_7\_142 + X\_7\_150 + X\_7\_155 + X\_7\_168 + X\_7\_175 + X\_7\_181 +  
 X\_7\_192 +  
 X\_7\_194 + X\_7\_204 + X\_7\_216 + X\_7\_223 + X\_7\_226 + X\_7\_235 <= 3;  
 [\_1495] X\_7\_4 + X\_7\_14 + X\_7\_19 + X\_7\_30 + X\_7\_34 + X\_7\_46 + X\_7\_49 +  
 X\_7\_58 +  
 X\_7\_67 + X\_7\_78 + X\_7\_81 + X\_7\_95 + X\_7\_98 + X\_7\_109 + X\_7\_119 +  
 X\_7\_124 + X\_7\_134  
 + X\_7\_139 + X\_7\_150 + X\_7\_154 + X\_7\_166 + X\_7\_169 + X\_7\_178 + X\_7\_187  
 + X\_7\_198 +  
 X\_7\_201 + X\_7\_215 + X\_7\_218 + X\_7\_229 + X\_7\_239 <= 3;  
 [\_1496] X\_7\_5 + X\_7\_10 + X\_7\_22 + X\_7\_28 + X\_7\_39 + X\_7\_42 + X\_7\_49 +  
 X\_7\_63 +  
 X\_7\_70 + X\_7\_77 + X\_7\_86 + X\_7\_90 + X\_7\_99 + X\_7\_108 + X\_7\_114 +  
 X\_7\_125 + X\_7\_130  
 + X\_7\_142 + X\_7\_148 + X\_7\_159 + X\_7\_162 + X\_7\_169 + X\_7\_183 + X\_7\_190  
 + X\_7\_197 +  
 X\_7\_206 + X\_7\_210 + X\_7\_219 + X\_7\_228 + X\_7\_234 <= 3;  
 [\_1497] X\_7\_1 + X\_7\_9 + X\_7\_21 + X\_7\_31 + X\_7\_35 + X\_7\_47 + X\_7\_53 +  
 X\_7\_63 +  
 X\_7\_67 + X\_7\_79 + X\_7\_88 + X\_7\_93 + X\_7\_102 + X\_7\_111 + X\_7\_117 +  
 X\_7\_121 +

$X_{7\_129} + X_{7\_141} + X_{7\_151} + X_{7\_155} + X_{7\_167} + X_{7\_173} + X_{7\_183} + X_{7\_187} +$   
 $X_{7\_199} + X_{7\_208} + X_{7\_213} + X_{7\_222} + X_{7\_231} + X_{7\_237} \leq 3;$   
 [\_1498]  $X_{7\_6} + X_{7\_16} + X_{7\_18} + X_{7\_26} + X_{7\_37} + X_{7\_42} + X_{7\_54} + X_{7\_60} +$   
 $X_{7\_68} + X_{7\_75} + X_{7\_84} + X_{7\_91} + X_{7\_101} + X_{7\_109} + X_{7\_117} + X_{7\_126} +$   
 $X_{7\_136} + X_{7\_138} + X_{7\_146} + X_{7\_157} + X_{7\_162} + X_{7\_174} + X_{7\_180} + X_{7\_188} +$   
 $X_{7\_195} + X_{7\_204} + X_{7\_211} + X_{7\_221} + X_{7\_229} + X_{7\_237} \leq 3;$   
 [\_1499]  $X_{7\_1} + X_{7\_15} + X_{7\_24} + X_{7\_27} + X_{7\_36} + X_{7\_44} + X_{7\_54} + X_{7\_61} +$   
 $X_{7\_65} + X_{7\_80} + X_{7\_85} + X_{7\_92} + X_{7\_97} + X_{7\_108} + X_{7\_119} + X_{7\_121} + X_{7\_135}$   
 $+ X_{7\_144} + X_{7\_147} + X_{7\_156} + X_{7\_164} + X_{7\_174} + X_{7\_181} + X_{7\_185} + X_{7\_200} +$   
 $X_{7\_205} + X_{7\_212} + X_{7\_217} + X_{7\_228} + X_{7\_239} \leq 3;$   
 [\_1500]  $X_{7\_6} + X_{7\_15} + X_{7\_23} + X_{7\_25} + X_{7\_38} + X_{7\_48} + X_{7\_56} + X_{7\_62} +$   
 $X_{7\_70} + X_{7\_78} + X_{7\_88} + X_{7\_89} + X_{7\_100} + X_{7\_110} + X_{7\_118} + X_{7\_126} +$   
 $X_{7\_135} + X_{7\_143} + X_{7\_145} + X_{7\_158} + X_{7\_168} + X_{7\_176} + X_{7\_182} + X_{7\_190} +$   
 $X_{7\_198} + X_{7\_208} + X_{7\_209} + X_{7\_220} + X_{7\_230} + X_{7\_238} \leq 3;$   
 [\_1501]  $X_{7\_8} + X_{7\_12} + X_{7\_18} + X_{7\_27} + X_{7\_33} + X_{7\_45} + X_{7\_50} + X_{7\_58} +$   
 $X_{7\_69} + X_{7\_77} + X_{7\_82} + X_{7\_93} + X_{7\_100} + X_{7\_112} + X_{7\_115} + X_{7\_128} +$   
 $X_{7\_132} + X_{7\_138} + X_{7\_147} + X_{7\_153} + X_{7\_165} + X_{7\_170} + X_{7\_178} + X_{7\_189} +$   
 $X_{7\_197} + X_{7\_202} + X_{7\_213} + X_{7\_220} + X_{7\_232} + X_{7\_235} \leq 3;$   
 [\_1502]  $X_{7\_7} + X_{7\_16} + X_{7\_24} + X_{7\_32} + X_{7\_40} + X_{7\_41} + X_{7\_55} + X_{7\_64} +$   
 $X_{7\_71} + X_{7\_79} + X_{7\_81} + X_{7\_89} + X_{7\_99} + X_{7\_112} + X_{7\_120} + X_{7\_127} + X_{7\_136}$   
 $+ X_{7\_144} + X_{7\_152} + X_{7\_160} + X_{7\_161} + X_{7\_175} + X_{7\_184} + X_{7\_191} + X_{7\_199} +$   
 $X_{7\_201} + X_{7\_209} + X_{7\_219} + X_{7\_232} + X_{7\_240} \leq 3;$   
 [\_1503]  $X_{7\_3} + X_{7\_13} + X_{7\_17} + X_{7\_29} + X_{7\_39} + X_{7\_46} + X_{7\_53} + X_{7\_62} +$   
 $X_{7\_71} + X_{7\_73} + X_{7\_82} + X_{7\_92} + X_{7\_101} + X_{7\_105} + X_{7\_113} + X_{7\_123} +$   
 $X_{7\_133} + X_{7\_137} + X_{7\_149} + X_{7\_159} + X_{7\_166} + X_{7\_173} + X_{7\_182} + X_{7\_191} +$   
 $X_{7\_193} + X_{7\_202} + X_{7\_212} + X_{7\_221} + X_{7\_225} + X_{7\_233} \leq 3;$   
 [\_1504]  $X_{8\_3} + X_{8\_10} + X_{8\_19} + X_{8\_31} + X_{8\_38} + X_{8\_41} + X_{8\_50} + X_{8\_59} +$   
 $X_{8\_66} + X_{8\_75} + X_{8\_85} + X_{8\_94} + X_{8\_104} + X_{8\_106} + X_{8\_116} + X_{8\_123} +$   
 $X_{8\_130} + X_{8\_139} + X_{8\_151} + X_{8\_158} + X_{8\_161} + X_{8\_170} + X_{8\_179} + X_{8\_186} +$   
 $X_{8\_195} + X_{8\_205} + X_{8\_214} + X_{8\_224} + X_{8\_226} + X_{8\_236} \leq 3;$   
 [\_1505]  $X_{8\_7} + X_{8\_12} + X_{8\_20} + X_{8\_29} + X_{8\_37} + X_{8\_44} + X_{8\_51} + X_{8\_57} +$   
 $X_{8\_66} + X_{8\_74} + X_{8\_83} + X_{8\_90} + X_{8\_98} + X_{8\_111} + X_{8\_118} + X_{8\_127} + X_{8\_132}$

+ X\_8\_140 + X\_8\_149 + X\_8\_157 + X\_8\_164 + X\_8\_171 + X\_8\_177 + X\_8\_186  
 + X\_8\_194 +  
 X\_8\_203 + X\_8\_210 + X\_8\_218 + X\_8\_231 + X\_8\_238 <= 3;  
 [\_1506] X\_8\_4 + X\_8\_9 + X\_8\_23 + X\_8\_32 + X\_8\_33 + X\_8\_43 + X\_8\_51 +  
 X\_8\_60 +  
 X\_8\_65 + X\_8\_76 + X\_8\_87 + X\_8\_94 + X\_8\_103 + X\_8\_105 + X\_8\_114 +  
 X\_8\_124 +  
 X\_8\_129 + X\_8\_143 + X\_8\_152 + X\_8\_153 + X\_8\_163 + X\_8\_171 + X\_8\_180 +  
 X\_8\_185 +  
 X\_8\_196 + X\_8\_207 + X\_8\_214 + X\_8\_223 + X\_8\_225 + X\_8\_234 <= 3;  
 [\_1507] X\_8\_2 + X\_8\_11 + X\_8\_17 + X\_8\_28 + X\_8\_34 + X\_8\_47 + X\_8\_56 +  
 X\_8\_64 +  
 X\_8\_69 + X\_8\_76 + X\_8\_83 + X\_8\_91 + X\_8\_97 + X\_8\_107 + X\_8\_116 +  
 X\_8\_122 + X\_8\_131  
 + X\_8\_137 + X\_8\_148 + X\_8\_154 + X\_8\_167 + X\_8\_176 + X\_8\_184 + X\_8\_189  
 + X\_8\_196 +  
 X\_8\_203 + X\_8\_211 + X\_8\_217 + X\_8\_227 + X\_8\_236 <= 3;  
 [\_1508] X\_8\_8 + X\_8\_11 + X\_8\_20 + X\_8\_26 + X\_8\_36 + X\_8\_43 + X\_8\_52 +  
 X\_8\_59 +  
 X\_8\_72 + X\_8\_73 + X\_8\_86 + X\_8\_95 + X\_8\_102 + X\_8\_110 + X\_8\_120 +  
 X\_8\_128 +  
 X\_8\_131 + X\_8\_140 + X\_8\_146 + X\_8\_156 + X\_8\_163 + X\_8\_172 + X\_8\_179 +  
 X\_8\_192 +  
 X\_8\_193 + X\_8\_206 + X\_8\_215 + X\_8\_222 + X\_8\_230 + X\_8\_240 <= 3;  
 [\_1509] X\_8\_5 + X\_8\_14 + X\_8\_21 + X\_8\_25 + X\_8\_40 + X\_8\_45 + X\_8\_52 +  
 X\_8\_57 +  
 X\_8\_68 + X\_8\_80 + X\_8\_87 + X\_8\_96 + X\_8\_104 + X\_8\_107 + X\_8\_113 +  
 X\_8\_125 +  
 X\_8\_134 + X\_8\_141 + X\_8\_145 + X\_8\_160 + X\_8\_165 + X\_8\_172 + X\_8\_177 +  
 X\_8\_188 +  
 X\_8\_200 + X\_8\_207 + X\_8\_216 + X\_8\_224 + X\_8\_227 + X\_8\_233 <= 3;  
 [\_1510] X\_8\_2 + X\_8\_13 + X\_8\_22 + X\_8\_30 + X\_8\_35 + X\_8\_48 + X\_8\_55 +  
 X\_8\_61 +  
 X\_8\_72 + X\_8\_74 + X\_8\_84 + X\_8\_96 + X\_8\_103 + X\_8\_106 + X\_8\_115 +  
 X\_8\_122 +  
 X\_8\_133 + X\_8\_142 + X\_8\_150 + X\_8\_155 + X\_8\_168 + X\_8\_175 + X\_8\_181 +  
 X\_8\_192 +  
 X\_8\_194 + X\_8\_204 + X\_8\_216 + X\_8\_223 + X\_8\_226 + X\_8\_235 <= 3;  
 [\_1511] X\_8\_4 + X\_8\_14 + X\_8\_19 + X\_8\_30 + X\_8\_34 + X\_8\_46 + X\_8\_49 +  
 X\_8\_58 +  
 X\_8\_67 + X\_8\_78 + X\_8\_81 + X\_8\_95 + X\_8\_98 + X\_8\_109 + X\_8\_119 +  
 X\_8\_124 + X\_8\_134  
 + X\_8\_139 + X\_8\_150 + X\_8\_154 + X\_8\_166 + X\_8\_169 + X\_8\_178 + X\_8\_187  
 + X\_8\_198 +  
 X\_8\_201 + X\_8\_215 + X\_8\_218 + X\_8\_229 + X\_8\_239 <= 3;  
 [\_1512] X\_8\_5 + X\_8\_10 + X\_8\_22 + X\_8\_28 + X\_8\_39 + X\_8\_42 + X\_8\_49 +  
 X\_8\_63 +  
 X\_8\_70 + X\_8\_77 + X\_8\_86 + X\_8\_90 + X\_8\_99 + X\_8\_108 + X\_8\_114 +  
 X\_8\_125 + X\_8\_130  
 + X\_8\_142 + X\_8\_148 + X\_8\_159 + X\_8\_162 + X\_8\_169 + X\_8\_183 + X\_8\_190  
 + X\_8\_197 +  
 X\_8\_206 + X\_8\_210 + X\_8\_219 + X\_8\_228 + X\_8\_234 <= 3;  
 [\_1513] X\_8\_1 + X\_8\_9 + X\_8\_21 + X\_8\_31 + X\_8\_35 + X\_8\_47 + X\_8\_53 +  
 X\_8\_63 +  
 X\_8\_67 + X\_8\_79 + X\_8\_88 + X\_8\_93 + X\_8\_102 + X\_8\_111 + X\_8\_117 +  
 X\_8\_121 +

$X_{8\_129} + X_{8\_141} + X_{8\_151} + X_{8\_155} + X_{8\_167} + X_{8\_173} + X_{8\_183} + X_{8\_187} +$   
 $X_{8\_199} + X_{8\_208} + X_{8\_213} + X_{8\_222} + X_{8\_231} + X_{8\_237} \leq 3;$   
 [\_1514]  $X_{8\_6} + X_{8\_16} + X_{8\_18} + X_{8\_26} + X_{8\_37} + X_{8\_42} + X_{8\_54} + X_{8\_60} +$   
 $X_{8\_68} + X_{8\_75} + X_{8\_84} + X_{8\_91} + X_{8\_101} + X_{8\_109} + X_{8\_117} + X_{8\_126} +$   
 $X_{8\_136} + X_{8\_138} + X_{8\_146} + X_{8\_157} + X_{8\_162} + X_{8\_174} + X_{8\_180} + X_{8\_188} +$   
 $X_{8\_195} + X_{8\_204} + X_{8\_211} + X_{8\_221} + X_{8\_229} + X_{8\_237} \leq 3;$   
 [\_1515]  $X_{8\_1} + X_{8\_15} + X_{8\_24} + X_{8\_27} + X_{8\_36} + X_{8\_44} + X_{8\_54} + X_{8\_61} +$   
 $X_{8\_65} + X_{8\_80} + X_{8\_85} + X_{8\_92} + X_{8\_97} + X_{8\_108} + X_{8\_119} + X_{8\_121} + X_{8\_135}$   
 $+ X_{8\_144} + X_{8\_147} + X_{8\_156} + X_{8\_164} + X_{8\_174} + X_{8\_181} + X_{8\_185} + X_{8\_200} +$   
 $X_{8\_205} + X_{8\_212} + X_{8\_217} + X_{8\_228} + X_{8\_239} \leq 3;$   
 [\_1516]  $X_{8\_6} + X_{8\_15} + X_{8\_23} + X_{8\_25} + X_{8\_38} + X_{8\_48} + X_{8\_56} + X_{8\_62} +$   
 $X_{8\_70} + X_{8\_78} + X_{8\_88} + X_{8\_89} + X_{8\_100} + X_{8\_110} + X_{8\_118} + X_{8\_126} +$   
 $X_{8\_135} + X_{8\_143} + X_{8\_145} + X_{8\_158} + X_{8\_168} + X_{8\_176} + X_{8\_182} + X_{8\_190} +$   
 $X_{8\_198} + X_{8\_208} + X_{8\_209} + X_{8\_220} + X_{8\_230} + X_{8\_238} \leq 3;$   
 [\_1517]  $X_{8\_8} + X_{8\_12} + X_{8\_18} + X_{8\_27} + X_{8\_33} + X_{8\_45} + X_{8\_50} + X_{8\_58} +$   
 $X_{8\_69} + X_{8\_77} + X_{8\_82} + X_{8\_93} + X_{8\_100} + X_{8\_112} + X_{8\_115} + X_{8\_128} +$   
 $X_{8\_132} + X_{8\_138} + X_{8\_147} + X_{8\_153} + X_{8\_165} + X_{8\_170} + X_{8\_178} + X_{8\_189} +$   
 $X_{8\_197} + X_{8\_202} + X_{8\_213} + X_{8\_220} + X_{8\_232} + X_{8\_235} \leq 3;$   
 [\_1518]  $X_{8\_7} + X_{8\_16} + X_{8\_24} + X_{8\_32} + X_{8\_40} + X_{8\_41} + X_{8\_55} + X_{8\_64} +$   
 $X_{8\_71} + X_{8\_79} + X_{8\_81} + X_{8\_89} + X_{8\_99} + X_{8\_112} + X_{8\_120} + X_{8\_127} + X_{8\_136}$   
 $+ X_{8\_144} + X_{8\_152} + X_{8\_160} + X_{8\_161} + X_{8\_175} + X_{8\_184} + X_{8\_191} + X_{8\_199} +$   
 $X_{8\_201} + X_{8\_209} + X_{8\_219} + X_{8\_232} + X_{8\_240} \leq 3;$   
 [\_1519]  $X_{8\_3} + X_{8\_13} + X_{8\_17} + X_{8\_29} + X_{8\_39} + X_{8\_46} + X_{8\_53} + X_{8\_62} +$   
 $X_{8\_71} + X_{8\_73} + X_{8\_82} + X_{8\_92} + X_{8\_101} + X_{8\_105} + X_{8\_113} + X_{8\_123} +$   
 $X_{8\_133} + X_{8\_137} + X_{8\_149} + X_{8\_159} + X_{8\_166} + X_{8\_173} + X_{8\_182} + X_{8\_191} +$   
 $X_{8\_193} + X_{8\_202} + X_{8\_212} + X_{8\_221} + X_{8\_225} + X_{8\_233} \leq 3;$   
 [\_1520]  $X_{9\_3} + X_{9\_10} + X_{9\_19} + X_{9\_31} + X_{9\_38} + X_{9\_41} + X_{9\_50} + X_{9\_59} +$   
 $X_{9\_66} + X_{9\_75} + X_{9\_85} + X_{9\_94} + X_{9\_104} + X_{9\_106} + X_{9\_116} + X_{9\_123} +$   
 $X_{9\_130} + X_{9\_139} + X_{9\_151} + X_{9\_158} + X_{9\_161} + X_{9\_170} + X_{9\_179} + X_{9\_186} +$   
 $X_{9\_195} + X_{9\_205} + X_{9\_214} + X_{9\_224} + X_{9\_226} + X_{9\_236} \leq 3;$   
 [\_1521]  $X_{9\_7} + X_{9\_12} + X_{9\_20} + X_{9\_29} + X_{9\_37} + X_{9\_44} + X_{9\_51} + X_{9\_57} +$   
 $X_{9\_66} + X_{9\_74} + X_{9\_83} + X_{9\_90} + X_{9\_98} + X_{9\_111} + X_{9\_118} + X_{9\_127} + X_{9\_132}$

+ X\_9\_140 + X\_9\_149 + X\_9\_157 + X\_9\_164 + X\_9\_171 + X\_9\_177 + X\_9\_186  
 + X\_9\_194 +  
 X\_9\_203 + X\_9\_210 + X\_9\_218 + X\_9\_231 + X\_9\_238 <= 3;  
 [\_1522] X\_9\_4 + X\_9\_9 + X\_9\_23 + X\_9\_32 + X\_9\_33 + X\_9\_43 + X\_9\_51 +  
 X\_9\_60 +  
 X\_9\_65 + X\_9\_76 + X\_9\_87 + X\_9\_94 + X\_9\_103 + X\_9\_105 + X\_9\_114 +  
 X\_9\_124 +  
 X\_9\_129 + X\_9\_143 + X\_9\_152 + X\_9\_153 + X\_9\_163 + X\_9\_171 + X\_9\_180 +  
 X\_9\_185 +  
 X\_9\_196 + X\_9\_207 + X\_9\_214 + X\_9\_223 + X\_9\_225 + X\_9\_234 <= 3;  
 [\_1523] X\_9\_2 + X\_9\_11 + X\_9\_17 + X\_9\_28 + X\_9\_34 + X\_9\_47 + X\_9\_56 +  
 X\_9\_64 +  
 X\_9\_69 + X\_9\_76 + X\_9\_83 + X\_9\_91 + X\_9\_97 + X\_9\_107 + X\_9\_116 +  
 X\_9\_122 + X\_9\_131  
 + X\_9\_137 + X\_9\_148 + X\_9\_154 + X\_9\_167 + X\_9\_176 + X\_9\_184 + X\_9\_189  
 + X\_9\_196 +  
 X\_9\_203 + X\_9\_211 + X\_9\_217 + X\_9\_227 + X\_9\_236 <= 3;  
 [\_1524] X\_9\_8 + X\_9\_11 + X\_9\_20 + X\_9\_26 + X\_9\_36 + X\_9\_43 + X\_9\_52 +  
 X\_9\_59 +  
 X\_9\_72 + X\_9\_73 + X\_9\_86 + X\_9\_95 + X\_9\_102 + X\_9\_110 + X\_9\_120 +  
 X\_9\_128 +  
 X\_9\_131 + X\_9\_140 + X\_9\_146 + X\_9\_156 + X\_9\_163 + X\_9\_172 + X\_9\_179 +  
 X\_9\_192 +  
 X\_9\_193 + X\_9\_206 + X\_9\_215 + X\_9\_222 + X\_9\_230 + X\_9\_240 <= 3;  
 [\_1525] X\_9\_5 + X\_9\_14 + X\_9\_21 + X\_9\_25 + X\_9\_40 + X\_9\_45 + X\_9\_52 +  
 X\_9\_57 +  
 X\_9\_68 + X\_9\_80 + X\_9\_87 + X\_9\_96 + X\_9\_104 + X\_9\_107 + X\_9\_113 +  
 X\_9\_125 +  
 X\_9\_134 + X\_9\_141 + X\_9\_145 + X\_9\_160 + X\_9\_165 + X\_9\_172 + X\_9\_177 +  
 X\_9\_188 +  
 X\_9\_200 + X\_9\_207 + X\_9\_216 + X\_9\_224 + X\_9\_227 + X\_9\_233 <= 3;  
 [\_1526] X\_9\_2 + X\_9\_13 + X\_9\_22 + X\_9\_30 + X\_9\_35 + X\_9\_48 + X\_9\_55 +  
 X\_9\_61 +  
 X\_9\_72 + X\_9\_74 + X\_9\_84 + X\_9\_96 + X\_9\_103 + X\_9\_106 + X\_9\_115 +  
 X\_9\_122 +  
 X\_9\_133 + X\_9\_142 + X\_9\_150 + X\_9\_155 + X\_9\_168 + X\_9\_175 + X\_9\_181 +  
 X\_9\_192 +  
 X\_9\_194 + X\_9\_204 + X\_9\_216 + X\_9\_223 + X\_9\_226 + X\_9\_235 <= 3;  
 [\_1527] X\_9\_4 + X\_9\_14 + X\_9\_19 + X\_9\_30 + X\_9\_34 + X\_9\_46 + X\_9\_49 +  
 X\_9\_58 +  
 X\_9\_67 + X\_9\_78 + X\_9\_81 + X\_9\_95 + X\_9\_98 + X\_9\_109 + X\_9\_119 +  
 X\_9\_124 + X\_9\_134  
 + X\_9\_139 + X\_9\_150 + X\_9\_154 + X\_9\_166 + X\_9\_169 + X\_9\_178 + X\_9\_187  
 + X\_9\_198 +  
 X\_9\_201 + X\_9\_215 + X\_9\_218 + X\_9\_229 + X\_9\_239 <= 3;  
 [\_1528] X\_9\_5 + X\_9\_10 + X\_9\_22 + X\_9\_28 + X\_9\_39 + X\_9\_42 + X\_9\_49 +  
 X\_9\_63 +  
 X\_9\_70 + X\_9\_77 + X\_9\_86 + X\_9\_90 + X\_9\_99 + X\_9\_108 + X\_9\_114 +  
 X\_9\_125 + X\_9\_130  
 + X\_9\_142 + X\_9\_148 + X\_9\_159 + X\_9\_162 + X\_9\_169 + X\_9\_183 + X\_9\_190  
 + X\_9\_197 +  
 X\_9\_206 + X\_9\_210 + X\_9\_219 + X\_9\_228 + X\_9\_234 <= 3;  
 [\_1529] X\_9\_1 + X\_9\_9 + X\_9\_21 + X\_9\_31 + X\_9\_35 + X\_9\_47 + X\_9\_53 +  
 X\_9\_63 +  
 X\_9\_67 + X\_9\_79 + X\_9\_88 + X\_9\_93 + X\_9\_102 + X\_9\_111 + X\_9\_117 +  
 X\_9\_121 +



$X_9_{129} + X_9_{141} + X_9_{151} + X_9_{155} + X_9_{167} + X_9_{173} + X_9_{183} + X_9_{187} +$   
 $X_9_{199} + X_9_{208} + X_9_{213} + X_9_{222} + X_9_{231} + X_9_{237} \leq 3;$   
 [\_1530]  $X_9_6 + X_9_{16} + X_9_{18} + X_9_{26} + X_9_{37} + X_9_{42} + X_9_{54} + X_9_{60} +$   
 $X_9_{68} + X_9_{75} + X_9_{84} + X_9_{91} + X_9_{101} + X_9_{109} + X_9_{117} + X_9_{126} +$   
 $X_9_{136} + X_9_{138} + X_9_{146} + X_9_{157} + X_9_{162} + X_9_{174} + X_9_{180} + X_9_{188} +$   
 $X_9_{195} + X_9_{204} + X_9_{211} + X_9_{221} + X_9_{229} + X_9_{237} \leq 3;$   
 [\_1531]  $X_9_1 + X_9_{15} + X_9_{24} + X_9_{27} + X_9_{36} + X_9_{44} + X_9_{54} + X_9_{61} +$   
 $X_9_{65} + X_9_{80} + X_9_{85} + X_9_{92} + X_9_{97} + X_9_{108} + X_9_{119} + X_9_{121} + X_9_{135}$   
 $+ X_9_{144} + X_9_{147} + X_9_{156} + X_9_{164} + X_9_{174} + X_9_{181} + X_9_{185} + X_9_{200} +$   
 $X_9_{205} + X_9_{212} + X_9_{217} + X_9_{228} + X_9_{239} \leq 3;$   
 [\_1532]  $X_9_6 + X_9_{15} + X_9_{23} + X_9_{25} + X_9_{38} + X_9_{48} + X_9_{56} + X_9_{62} +$   
 $X_9_{70} + X_9_{78} + X_9_{88} + X_9_{89} + X_9_{100} + X_9_{110} + X_9_{118} + X_9_{126} +$   
 $X_9_{135} + X_9_{143} + X_9_{145} + X_9_{158} + X_9_{168} + X_9_{176} + X_9_{182} + X_9_{190} +$   
 $X_9_{198} + X_9_{208} + X_9_{209} + X_9_{220} + X_9_{230} + X_9_{238} \leq 3;$   
 [\_1533]  $X_9_8 + X_9_{12} + X_9_{18} + X_9_{27} + X_9_{33} + X_9_{45} + X_9_{50} + X_9_{58} +$   
 $X_9_{69} + X_9_{77} + X_9_{82} + X_9_{93} + X_9_{100} + X_9_{112} + X_9_{115} + X_9_{128} +$   
 $X_9_{132} + X_9_{138} + X_9_{147} + X_9_{153} + X_9_{165} + X_9_{170} + X_9_{178} + X_9_{189} +$   
 $X_9_{197} + X_9_{202} + X_9_{213} + X_9_{220} + X_9_{232} + X_9_{235} \leq 3;$   
 [\_1534]  $X_9_7 + X_9_{16} + X_9_{24} + X_9_{32} + X_9_{40} + X_9_{41} + X_9_{55} + X_9_{64} +$   
 $X_9_{71} + X_9_{79} + X_9_{81} + X_9_{89} + X_9_{99} + X_9_{112} + X_9_{120} + X_9_{127} + X_9_{136}$   
 $+ X_9_{144} + X_9_{152} + X_9_{160} + X_9_{161} + X_9_{175} + X_9_{184} + X_9_{191} + X_9_{199} +$   
 $X_9_{201} + X_9_{209} + X_9_{219} + X_9_{232} + X_9_{240} \leq 3;$   
 [\_1535]  $X_9_3 + X_9_{13} + X_9_{17} + X_9_{29} + X_9_{39} + X_9_{46} + X_9_{53} + X_9_{62} +$   
 $X_9_{71} + X_9_{73} + X_9_{82} + X_9_{92} + X_9_{101} + X_9_{105} + X_9_{113} + X_9_{123} +$   
 $X_9_{133} + X_9_{137} + X_9_{149} + X_9_{159} + X_9_{166} + X_9_{173} + X_9_{182} + X_9_{191} +$   
 $X_9_{193} + X_9_{202} + X_9_{212} + X_9_{221} + X_9_{225} + X_9_{233} \leq 3;$   
 [\_1536]  $X_{10_3} + X_{10_{10}} + X_{10_{19}} + X_{10_{31}} + X_{10_{38}} + X_{10_{41}} + X_{10_{50}} +$   
 $X_{10_{59}} + X_{10_{66}} + X_{10_{75}} + X_{10_{85}} + X_{10_{94}} + X_{10_{104}} + X_{10_{106}} + X_{10_{116}} +$   
 $X_{10_{123}} + X_{10_{130}} + X_{10_{139}} + X_{10_{151}} + X_{10_{158}} + X_{10_{161}} + X_{10_{170}} +$   
 $X_{10_{179}} + X_{10_{186}} + X_{10_{195}} + X_{10_{205}} + X_{10_{214}} + X_{10_{224}} + X_{10_{226}} +$   
 $X_{10_{236}} \leq 3;$   
 [\_1537]  $X_{10_7} + X_{10_{12}} + X_{10_{20}} + X_{10_{29}} + X_{10_{37}} + X_{10_{44}} + X_{10_{51}} +$

$X_{10\_57} + X_{10\_66} + X_{10\_74} + X_{10\_83} + X_{10\_90} + X_{10\_98} + X_{10\_111}$   
 $+ X_{10\_118} +$   
 $X_{10\_127} + X_{10\_132} + X_{10\_140} + X_{10\_149} + X_{10\_157} + X_{10\_164} +$   
 $X_{10\_171} +$   
 $X_{10\_177} + X_{10\_186} + X_{10\_194} + X_{10\_203} + X_{10\_210} + X_{10\_218} +$   
 $X_{10\_231} +$   
 $X_{10\_238} \leq 3;$   
 $[_{1538}] X_{10\_4} + X_{10\_9} + X_{10\_23} + X_{10\_32} + X_{10\_33} + X_{10\_43} +$   
 $X_{10\_51} + X_{10\_60}$   
 $+ X_{10\_65} + X_{10\_76} + X_{10\_87} + X_{10\_94} + X_{10\_103} + X_{10\_105} +$   
 $X_{10\_114} +$   
 $X_{10\_124} + X_{10\_129} + X_{10\_143} + X_{10\_152} + X_{10\_153} + X_{10\_163} +$   
 $X_{10\_171} +$   
 $X_{10\_180} + X_{10\_185} + X_{10\_196} + X_{10\_207} + X_{10\_214} + X_{10\_223} +$   
 $X_{10\_225} +$   
 $X_{10\_234} \leq 3;$   
 $[_{1539}] X_{10\_2} + X_{10\_11} + X_{10\_17} + X_{10\_28} + X_{10\_34} + X_{10\_47} +$   
 $X_{10\_56} +$   
 $X_{10\_64} + X_{10\_69} + X_{10\_76} + X_{10\_83} + X_{10\_91} + X_{10\_97} + X_{10\_107}$   
 $+ X_{10\_116} +$   
 $X_{10\_122} + X_{10\_131} + X_{10\_137} + X_{10\_148} + X_{10\_154} + X_{10\_167} +$   
 $X_{10\_176} +$   
 $X_{10\_184} + X_{10\_189} + X_{10\_196} + X_{10\_203} + X_{10\_211} + X_{10\_217} +$   
 $X_{10\_227} +$   
 $X_{10\_236} \leq 3;$   
 $[_{1540}] X_{10\_8} + X_{10\_11} + X_{10\_20} + X_{10\_26} + X_{10\_36} + X_{10\_43} +$   
 $X_{10\_52} +$   
 $X_{10\_59} + X_{10\_72} + X_{10\_73} + X_{10\_86} + X_{10\_95} + X_{10\_102} + X_{10\_110}$   
 $+ X_{10\_120} +$   
 $X_{10\_128} + X_{10\_131} + X_{10\_140} + X_{10\_146} + X_{10\_156} + X_{10\_163} +$   
 $X_{10\_172} +$   
 $X_{10\_179} + X_{10\_192} + X_{10\_193} + X_{10\_206} + X_{10\_215} + X_{10\_222} +$   
 $X_{10\_230} +$   
 $X_{10\_240} \leq 3;$   
 $[_{1541}] X_{10\_5} + X_{10\_14} + X_{10\_21} + X_{10\_25} + X_{10\_40} + X_{10\_45} +$   
 $X_{10\_52} +$   
 $X_{10\_57} + X_{10\_68} + X_{10\_80} + X_{10\_87} + X_{10\_96} + X_{10\_104} + X_{10\_107}$   
 $+ X_{10\_113} +$   
 $X_{10\_125} + X_{10\_134} + X_{10\_141} + X_{10\_145} + X_{10\_160} + X_{10\_165} +$   
 $X_{10\_172} +$   
 $X_{10\_177} + X_{10\_188} + X_{10\_200} + X_{10\_207} + X_{10\_216} + X_{10\_224} +$   
 $X_{10\_227} +$   
 $X_{10\_233} \leq 3;$   
 $[_{1542}] X_{10\_2} + X_{10\_13} + X_{10\_22} + X_{10\_30} + X_{10\_35} + X_{10\_48} +$   
 $X_{10\_55} +$   
 $X_{10\_61} + X_{10\_72} + X_{10\_74} + X_{10\_84} + X_{10\_96} + X_{10\_103} + X_{10\_106}$   
 $+ X_{10\_115} +$   
 $X_{10\_122} + X_{10\_133} + X_{10\_142} + X_{10\_150} + X_{10\_155} + X_{10\_168} +$   
 $X_{10\_175} +$   
 $X_{10\_181} + X_{10\_192} + X_{10\_194} + X_{10\_204} + X_{10\_216} + X_{10\_223} +$   
 $X_{10\_226} +$   
 $X_{10\_235} \leq 3;$   
 $[_{1543}] X_{10\_4} + X_{10\_14} + X_{10\_19} + X_{10\_30} + X_{10\_34} + X_{10\_46} +$   
 $X_{10\_49} +$   
 $X_{10\_58} + X_{10\_67} + X_{10\_78} + X_{10\_81} + X_{10\_95} + X_{10\_98} + X_{10\_109}$   
 $+ X_{10\_119} +$

$X_{10\_124} + X_{10\_134} + X_{10\_139} + X_{10\_150} + X_{10\_154} + X_{10\_166} + X_{10\_169} +$   
 $X_{10\_178} + X_{10\_187} + X_{10\_198} + X_{10\_201} + X_{10\_215} + X_{10\_218} + X_{10\_229} +$   
 $X_{10\_239} \leq 3;$   
 [\_1544]  $X_{10\_5} + X_{10\_10} + X_{10\_22} + X_{10\_28} + X_{10\_39} + X_{10\_42} + X_{10\_49} +$   
 $X_{10\_63} + X_{10\_70} + X_{10\_77} + X_{10\_86} + X_{10\_90} + X_{10\_99} + X_{10\_108} + X_{10\_114} +$   
 $X_{10\_125} + X_{10\_130} + X_{10\_142} + X_{10\_148} + X_{10\_159} + X_{10\_162} + X_{10\_169} +$   
 $X_{10\_183} + X_{10\_190} + X_{10\_197} + X_{10\_206} + X_{10\_210} + X_{10\_219} + X_{10\_228} +$   
 $X_{10\_234} \leq 3;$   
 [\_1545]  $X_{10\_1} + X_{10\_9} + X_{10\_21} + X_{10\_31} + X_{10\_35} + X_{10\_47} + X_{10\_53} + X_{10\_63}$   
 $+ X_{10\_67} + X_{10\_79} + X_{10\_88} + X_{10\_93} + X_{10\_102} + X_{10\_111} + X_{10\_117} +$   
 $X_{10\_121} + X_{10\_129} + X_{10\_141} + X_{10\_151} + X_{10\_155} + X_{10\_167} + X_{10\_173} +$   
 $X_{10\_183} + X_{10\_187} + X_{10\_199} + X_{10\_208} + X_{10\_213} + X_{10\_222} + X_{10\_231} +$   
 $X_{10\_237} \leq 3;$   
 [\_1546]  $X_{10\_6} + X_{10\_16} + X_{10\_18} + X_{10\_26} + X_{10\_37} + X_{10\_42} + X_{10\_54} +$   
 $X_{10\_60} + X_{10\_68} + X_{10\_75} + X_{10\_84} + X_{10\_91} + X_{10\_101} + X_{10\_109} + X_{10\_117} +$   
 $X_{10\_126} + X_{10\_136} + X_{10\_138} + X_{10\_146} + X_{10\_157} + X_{10\_162} + X_{10\_174} +$   
 $X_{10\_180} + X_{10\_188} + X_{10\_195} + X_{10\_204} + X_{10\_211} + X_{10\_221} + X_{10\_229} +$   
 $X_{10\_237} \leq 3;$   
 [\_1547]  $X_{10\_1} + X_{10\_15} + X_{10\_24} + X_{10\_27} + X_{10\_36} + X_{10\_44} + X_{10\_54} +$   
 $X_{10\_61} + X_{10\_65} + X_{10\_80} + X_{10\_85} + X_{10\_92} + X_{10\_97} + X_{10\_108} + X_{10\_119} +$   
 $X_{10\_121} + X_{10\_135} + X_{10\_144} + X_{10\_147} + X_{10\_156} + X_{10\_164} + X_{10\_174} +$   
 $X_{10\_181} + X_{10\_185} + X_{10\_200} + X_{10\_205} + X_{10\_212} + X_{10\_217} + X_{10\_228} +$   
 $X_{10\_239} \leq 3;$   
 [\_1548]  $X_{10\_6} + X_{10\_15} + X_{10\_23} + X_{10\_25} + X_{10\_38} + X_{10\_48} + X_{10\_56} +$   
 $X_{10\_62} + X_{10\_70} + X_{10\_78} + X_{10\_88} + X_{10\_89} + X_{10\_100} + X_{10\_110} + X_{10\_118} +$   
 $X_{10\_126} + X_{10\_135} + X_{10\_143} + X_{10\_145} + X_{10\_158} + X_{10\_168} + X_{10\_176} +$   
 $X_{10\_182} + X_{10\_190} + X_{10\_198} + X_{10\_208} + X_{10\_209} + X_{10\_220} + X_{10\_230} +$   
 $X_{10\_238} \leq 3;$   
 [\_1549]  $X_{10\_8} + X_{10\_12} + X_{10\_18} + X_{10\_27} + X_{10\_33} + X_{10\_45} + X_{10\_50} +$   
 $X_{10\_58} + X_{10\_69} + X_{10\_77} + X_{10\_82} + X_{10\_93} + X_{10\_100} + X_{10\_112} + X_{10\_115} +$   
 $X_{10\_128} + X_{10\_132} + X_{10\_138} + X_{10\_147} + X_{10\_153} + X_{10\_165} + X_{10\_170} +$

$X_{10\_178} + X_{10\_189} + X_{10\_197} + X_{10\_202} + X_{10\_213} + X_{10\_220} +$   
 $X_{10\_232} +$   
 $X_{10\_235} \leq 3;$   
 $[_{1550}] X_{10\_7} + X_{10\_16} + X_{10\_24} + X_{10\_32} + X_{10\_40} + X_{10\_41} +$   
 $X_{10\_55} +$   
 $X_{10\_64} + X_{10\_71} + X_{10\_79} + X_{10\_81} + X_{10\_89} + X_{10\_99} + X_{10\_112}$   
 $+ X_{10\_120} +$   
 $X_{10\_127} + X_{10\_136} + X_{10\_144} + X_{10\_152} + X_{10\_160} + X_{10\_161} +$   
 $X_{10\_175} +$   
 $X_{10\_184} + X_{10\_191} + X_{10\_199} + X_{10\_201} + X_{10\_209} + X_{10\_219} +$   
 $X_{10\_232} +$   
 $X_{10\_240} \leq 3;$   
 $[_{1551}] X_{10\_3} + X_{10\_13} + X_{10\_17} + X_{10\_29} + X_{10\_39} + X_{10\_46} +$   
 $X_{10\_53} +$   
 $X_{10\_62} + X_{10\_71} + X_{10\_73} + X_{10\_82} + X_{10\_92} + X_{10\_101} + X_{10\_105}$   
 $+ X_{10\_113} +$   
 $X_{10\_123} + X_{10\_133} + X_{10\_137} + X_{10\_149} + X_{10\_159} + X_{10\_166} +$   
 $X_{10\_173} +$   
 $X_{10\_182} + X_{10\_191} + X_{10\_193} + X_{10\_202} + X_{10\_212} + X_{10\_221} +$   
 $X_{10\_225} +$   
 $X_{10\_233} \leq 3;$   
 $[_{1552}] X_{11\_3} + X_{11\_10} + X_{11\_19} + X_{11\_31} + X_{11\_38} + X_{11\_41} +$   
 $X_{11\_50} +$   
 $X_{11\_59} + X_{11\_66} + X_{11\_75} + X_{11\_85} + X_{11\_94} + X_{11\_104} + X_{11\_106}$   
 $+ X_{11\_116} +$   
 $X_{11\_123} + X_{11\_130} + X_{11\_139} + X_{11\_151} + X_{11\_158} + X_{11\_161} +$   
 $X_{11\_170} +$   
 $X_{11\_179} + X_{11\_186} + X_{11\_195} + X_{11\_205} + X_{11\_214} + X_{11\_224} +$   
 $X_{11\_226} +$   
 $X_{11\_236} \leq 3;$   
 $[_{1553}] X_{11\_7} + X_{11\_12} + X_{11\_20} + X_{11\_29} + X_{11\_37} + X_{11\_44} +$   
 $X_{11\_51} +$   
 $X_{11\_57} + X_{11\_66} + X_{11\_74} + X_{11\_83} + X_{11\_90} + X_{11\_98} + X_{11\_111}$   
 $+ X_{11\_118} +$   
 $X_{11\_127} + X_{11\_132} + X_{11\_140} + X_{11\_149} + X_{11\_157} + X_{11\_164} +$   
 $X_{11\_171} +$   
 $X_{11\_177} + X_{11\_186} + X_{11\_194} + X_{11\_203} + X_{11\_210} + X_{11\_218} +$   
 $X_{11\_231} +$   
 $X_{11\_238} \leq 3;$   
 $[_{1554}] X_{11\_4} + X_{11\_9} + X_{11\_23} + X_{11\_32} + X_{11\_33} + X_{11\_43} +$   
 $X_{11\_51} + X_{11\_60}$   
 $+ X_{11\_65} + X_{11\_76} + X_{11\_87} + X_{11\_94} + X_{11\_103} + X_{11\_105} +$   
 $X_{11\_114} +$   
 $X_{11\_124} + X_{11\_129} + X_{11\_143} + X_{11\_152} + X_{11\_153} + X_{11\_163} +$   
 $X_{11\_171} +$   
 $X_{11\_180} + X_{11\_185} + X_{11\_196} + X_{11\_207} + X_{11\_214} + X_{11\_223} +$   
 $X_{11\_225} +$   
 $X_{11\_234} \leq 3;$   
 $[_{1555}] X_{11\_2} + X_{11\_11} + X_{11\_17} + X_{11\_28} + X_{11\_34} + X_{11\_47} +$   
 $X_{11\_56} +$   
 $X_{11\_64} + X_{11\_69} + X_{11\_76} + X_{11\_83} + X_{11\_91} + X_{11\_97} + X_{11\_107}$   
 $+ X_{11\_116} +$   
 $X_{11\_122} + X_{11\_131} + X_{11\_137} + X_{11\_148} + X_{11\_154} + X_{11\_167} +$   
 $X_{11\_176} +$   
 $X_{11\_184} + X_{11\_189} + X_{11\_196} + X_{11\_203} + X_{11\_211} + X_{11\_217} +$   
 $X_{11\_227} +$   
 $X_{11\_236} \leq 3;$

[\_1556] X\_11\_8 + X\_11\_11 + X\_11\_20 + X\_11\_26 + X\_11\_36 + X\_11\_43 +  
 X\_11\_52 +  
 X\_11\_59 + X\_11\_72 + X\_11\_73 + X\_11\_86 + X\_11\_95 + X\_11\_102 + X\_11\_110  
 + X\_11\_120 +  
 X\_11\_128 + X\_11\_131 + X\_11\_140 + X\_11\_146 + X\_11\_156 + X\_11\_163 +  
 X\_11\_172 +  
 X\_11\_179 + X\_11\_192 + X\_11\_193 + X\_11\_206 + X\_11\_215 + X\_11\_222 +  
 X\_11\_230 +  
 X\_11\_240 <= 3;  
 [\_1557] X\_11\_5 + X\_11\_14 + X\_11\_21 + X\_11\_25 + X\_11\_40 + X\_11\_45 +  
 X\_11\_52 +  
 X\_11\_57 + X\_11\_68 + X\_11\_80 + X\_11\_87 + X\_11\_96 + X\_11\_104 + X\_11\_107  
 + X\_11\_113 +  
 X\_11\_125 + X\_11\_134 + X\_11\_141 + X\_11\_145 + X\_11\_160 + X\_11\_165 +  
 X\_11\_172 +  
 X\_11\_177 + X\_11\_188 + X\_11\_200 + X\_11\_207 + X\_11\_216 + X\_11\_224 +  
 X\_11\_227 +  
 X\_11\_233 <= 3;  
 [\_1558] X\_11\_2 + X\_11\_13 + X\_11\_22 + X\_11\_30 + X\_11\_35 + X\_11\_48 +  
 X\_11\_55 +  
 X\_11\_61 + X\_11\_72 + X\_11\_74 + X\_11\_84 + X\_11\_96 + X\_11\_103 + X\_11\_106  
 + X\_11\_115 +  
 X\_11\_122 + X\_11\_133 + X\_11\_142 + X\_11\_150 + X\_11\_155 + X\_11\_168 +  
 X\_11\_175 +  
 X\_11\_181 + X\_11\_192 + X\_11\_194 + X\_11\_204 + X\_11\_216 + X\_11\_223 +  
 X\_11\_226 +  
 X\_11\_235 <= 3;  
 [\_1559] X\_11\_4 + X\_11\_14 + X\_11\_19 + X\_11\_30 + X\_11\_34 + X\_11\_46 +  
 X\_11\_49 +  
 X\_11\_58 + X\_11\_67 + X\_11\_78 + X\_11\_81 + X\_11\_95 + X\_11\_98 + X\_11\_109  
 + X\_11\_119 +  
 X\_11\_124 + X\_11\_134 + X\_11\_139 + X\_11\_150 + X\_11\_154 + X\_11\_166 +  
 X\_11\_169 +  
 X\_11\_178 + X\_11\_187 + X\_11\_198 + X\_11\_201 + X\_11\_215 + X\_11\_218 +  
 X\_11\_229 +  
 X\_11\_239 <= 3;  
 [\_1560] X\_11\_5 + X\_11\_10 + X\_11\_22 + X\_11\_28 + X\_11\_39 + X\_11\_42 +  
 X\_11\_49 +  
 X\_11\_63 + X\_11\_70 + X\_11\_77 + X\_11\_86 + X\_11\_90 + X\_11\_99 + X\_11\_108  
 + X\_11\_114 +  
 X\_11\_125 + X\_11\_130 + X\_11\_142 + X\_11\_148 + X\_11\_159 + X\_11\_162 +  
 X\_11\_169 +  
 X\_11\_183 + X\_11\_190 + X\_11\_197 + X\_11\_206 + X\_11\_210 + X\_11\_219 +  
 X\_11\_228 +  
 X\_11\_234 <= 3;  
 [\_1561] X\_11\_1 + X\_11\_9 + X\_11\_21 + X\_11\_31 + X\_11\_35 + X\_11\_47 +  
 X\_11\_53 + X\_11\_63  
 + X\_11\_67 + X\_11\_79 + X\_11\_88 + X\_11\_93 + X\_11\_102 + X\_11\_111 +  
 X\_11\_117 +  
 X\_11\_121 + X\_11\_129 + X\_11\_141 + X\_11\_151 + X\_11\_155 + X\_11\_167 +  
 X\_11\_173 +  
 X\_11\_183 + X\_11\_187 + X\_11\_199 + X\_11\_208 + X\_11\_213 + X\_11\_222 +  
 X\_11\_231 +  
 X\_11\_237 <= 3;  
 [\_1562] X\_11\_6 + X\_11\_16 + X\_11\_18 + X\_11\_26 + X\_11\_37 + X\_11\_42 +  
 X\_11\_54 +

$X_{11\_60} + X_{11\_68} + X_{11\_75} + X_{11\_84} + X_{11\_91} + X_{11\_101} + X_{11\_109}$   
 $+ X_{11\_117} +$   
 $X_{11\_126} + X_{11\_136} + X_{11\_138} + X_{11\_146} + X_{11\_157} + X_{11\_162} +$   
 $X_{11\_174} +$   
 $X_{11\_180} + X_{11\_188} + X_{11\_195} + X_{11\_204} + X_{11\_211} + X_{11\_221} +$   
 $X_{11\_229} +$   
 $X_{11\_237} \leq 3;$   
 $[_{1563}] X_{11\_1} + X_{11\_15} + X_{11\_24} + X_{11\_27} + X_{11\_36} + X_{11\_44} +$   
 $X_{11\_54} +$   
 $X_{11\_61} + X_{11\_65} + X_{11\_80} + X_{11\_85} + X_{11\_92} + X_{11\_97} + X_{11\_108}$   
 $+ X_{11\_119} +$   
 $X_{11\_121} + X_{11\_135} + X_{11\_144} + X_{11\_147} + X_{11\_156} + X_{11\_164} +$   
 $X_{11\_174} +$   
 $X_{11\_181} + X_{11\_185} + X_{11\_200} + X_{11\_205} + X_{11\_212} + X_{11\_217} +$   
 $X_{11\_228} +$   
 $X_{11\_239} \leq 3;$   
 $[_{1564}] X_{11\_6} + X_{11\_15} + X_{11\_23} + X_{11\_25} + X_{11\_38} + X_{11\_48} +$   
 $X_{11\_56} +$   
 $X_{11\_62} + X_{11\_70} + X_{11\_78} + X_{11\_88} + X_{11\_89} + X_{11\_100} + X_{11\_110}$   
 $+ X_{11\_118} +$   
 $X_{11\_126} + X_{11\_135} + X_{11\_143} + X_{11\_145} + X_{11\_158} + X_{11\_168} +$   
 $X_{11\_176} +$   
 $X_{11\_182} + X_{11\_190} + X_{11\_198} + X_{11\_208} + X_{11\_209} + X_{11\_220} +$   
 $X_{11\_230} +$   
 $X_{11\_238} \leq 3;$   
 $[_{1565}] X_{11\_8} + X_{11\_12} + X_{11\_18} + X_{11\_27} + X_{11\_33} + X_{11\_45} +$   
 $X_{11\_50} +$   
 $X_{11\_58} + X_{11\_69} + X_{11\_77} + X_{11\_82} + X_{11\_93} + X_{11\_100} + X_{11\_112}$   
 $+ X_{11\_115} +$   
 $X_{11\_128} + X_{11\_132} + X_{11\_138} + X_{11\_147} + X_{11\_153} + X_{11\_165} +$   
 $X_{11\_170} +$   
 $X_{11\_178} + X_{11\_189} + X_{11\_197} + X_{11\_202} + X_{11\_213} + X_{11\_220} +$   
 $X_{11\_232} +$   
 $X_{11\_235} \leq 3;$   
 $[_{1566}] X_{11\_7} + X_{11\_16} + X_{11\_24} + X_{11\_32} + X_{11\_40} + X_{11\_41} +$   
 $X_{11\_55} +$   
 $X_{11\_64} + X_{11\_71} + X_{11\_79} + X_{11\_81} + X_{11\_89} + X_{11\_99} + X_{11\_112}$   
 $+ X_{11\_120} +$   
 $X_{11\_127} + X_{11\_136} + X_{11\_144} + X_{11\_152} + X_{11\_160} + X_{11\_161} +$   
 $X_{11\_175} +$   
 $X_{11\_184} + X_{11\_191} + X_{11\_199} + X_{11\_201} + X_{11\_209} + X_{11\_219} +$   
 $X_{11\_232} +$   
 $X_{11\_240} \leq 3;$   
 $[_{1567}] X_{11\_3} + X_{11\_13} + X_{11\_17} + X_{11\_29} + X_{11\_39} + X_{11\_46} +$   
 $X_{11\_53} +$   
 $X_{11\_62} + X_{11\_71} + X_{11\_73} + X_{11\_82} + X_{11\_92} + X_{11\_101} + X_{11\_105}$   
 $+ X_{11\_113} +$   
 $X_{11\_123} + X_{11\_133} + X_{11\_137} + X_{11\_149} + X_{11\_159} + X_{11\_166} +$   
 $X_{11\_173} +$   
 $X_{11\_182} + X_{11\_191} + X_{11\_193} + X_{11\_202} + X_{11\_212} + X_{11\_221} +$   
 $X_{11\_225} +$   
 $X_{11\_233} \leq 3;$   
 $[_{1568}] X_{12\_3} + X_{12\_10} + X_{12\_19} + X_{12\_31} + X_{12\_38} + X_{12\_41} +$   
 $X_{12\_50} +$   
 $X_{12\_59} + X_{12\_66} + X_{12\_75} + X_{12\_85} + X_{12\_94} + X_{12\_104} + X_{12\_106}$   
 $+ X_{12\_116} +$

$X_{12\_123} + X_{12\_130} + X_{12\_139} + X_{12\_151} + X_{12\_158} + X_{12\_161} +$   
 $X_{12\_170} +$   
 $X_{12\_179} + X_{12\_186} + X_{12\_195} + X_{12\_205} + X_{12\_214} + X_{12\_224} +$   
 $X_{12\_226} +$   
 $X_{12\_236} \leq 3;$   
 [\_1569]  $X_{12\_7} + X_{12\_12} + X_{12\_20} + X_{12\_29} + X_{12\_37} + X_{12\_44} +$   
 $X_{12\_51} +$   
 $X_{12\_57} + X_{12\_66} + X_{12\_74} + X_{12\_83} + X_{12\_90} + X_{12\_98} + X_{12\_111}$   
 $+ X_{12\_118} +$   
 $X_{12\_127} + X_{12\_132} + X_{12\_140} + X_{12\_149} + X_{12\_157} + X_{12\_164} +$   
 $X_{12\_171} +$   
 $X_{12\_177} + X_{12\_186} + X_{12\_194} + X_{12\_203} + X_{12\_210} + X_{12\_218} +$   
 $X_{12\_231} +$   
 $X_{12\_238} \leq 3;$   
 [\_1570]  $X_{12\_4} + X_{12\_9} + X_{12\_23} + X_{12\_32} + X_{12\_33} + X_{12\_43} +$   
 $X_{12\_51} + X_{12\_60}$   
 $+ X_{12\_65} + X_{12\_76} + X_{12\_87} + X_{12\_94} + X_{12\_103} + X_{12\_105} +$   
 $X_{12\_114} +$   
 $X_{12\_124} + X_{12\_129} + X_{12\_143} + X_{12\_152} + X_{12\_153} + X_{12\_163} +$   
 $X_{12\_171} +$   
 $X_{12\_180} + X_{12\_185} + X_{12\_196} + X_{12\_207} + X_{12\_214} + X_{12\_223} +$   
 $X_{12\_225} +$   
 $X_{12\_234} \leq 3;$   
 [\_1571]  $X_{12\_2} + X_{12\_11} + X_{12\_17} + X_{12\_28} + X_{12\_34} + X_{12\_47} +$   
 $X_{12\_56} +$   
 $X_{12\_64} + X_{12\_69} + X_{12\_76} + X_{12\_83} + X_{12\_91} + X_{12\_97} + X_{12\_107}$   
 $+ X_{12\_116} +$   
 $X_{12\_122} + X_{12\_131} + X_{12\_137} + X_{12\_148} + X_{12\_154} + X_{12\_167} +$   
 $X_{12\_176} +$   
 $X_{12\_184} + X_{12\_189} + X_{12\_196} + X_{12\_203} + X_{12\_211} + X_{12\_217} +$   
 $X_{12\_227} +$   
 $X_{12\_236} \leq 3;$   
 [\_1572]  $X_{12\_8} + X_{12\_11} + X_{12\_20} + X_{12\_26} + X_{12\_36} + X_{12\_43} +$   
 $X_{12\_52} +$   
 $X_{12\_59} + X_{12\_72} + X_{12\_73} + X_{12\_86} + X_{12\_95} + X_{12\_102} + X_{12\_110}$   
 $+ X_{12\_120} +$   
 $X_{12\_128} + X_{12\_131} + X_{12\_140} + X_{12\_146} + X_{12\_156} + X_{12\_163} +$   
 $X_{12\_172} +$   
 $X_{12\_179} + X_{12\_192} + X_{12\_193} + X_{12\_206} + X_{12\_215} + X_{12\_222} +$   
 $X_{12\_230} +$   
 $X_{12\_240} \leq 3;$   
 [\_1573]  $X_{12\_5} + X_{12\_14} + X_{12\_21} + X_{12\_25} + X_{12\_40} + X_{12\_45} +$   
 $X_{12\_52} +$   
 $X_{12\_57} + X_{12\_68} + X_{12\_80} + X_{12\_87} + X_{12\_96} + X_{12\_104} + X_{12\_107}$   
 $+ X_{12\_113} +$   
 $X_{12\_125} + X_{12\_134} + X_{12\_141} + X_{12\_145} + X_{12\_160} + X_{12\_165} +$   
 $X_{12\_172} +$   
 $X_{12\_177} + X_{12\_188} + X_{12\_200} + X_{12\_207} + X_{12\_216} + X_{12\_224} +$   
 $X_{12\_227} +$   
 $X_{12\_233} \leq 3;$   
 [\_1574]  $X_{12\_2} + X_{12\_13} + X_{12\_22} + X_{12\_30} + X_{12\_35} + X_{12\_48} +$   
 $X_{12\_55} +$   
 $X_{12\_61} + X_{12\_72} + X_{12\_74} + X_{12\_84} + X_{12\_96} + X_{12\_103} + X_{12\_106}$   
 $+ X_{12\_115} +$   
 $X_{12\_122} + X_{12\_133} + X_{12\_142} + X_{12\_150} + X_{12\_155} + X_{12\_168} +$   
 $X_{12\_175} +$

$X_{12\_181} + X_{12\_192} + X_{12\_194} + X_{12\_204} + X_{12\_216} + X_{12\_223} +$   
 $X_{12\_226} +$   
 $X_{12\_235} \leq 3;$   
 [\_1575]  $X_{12\_4} + X_{12\_14} + X_{12\_19} + X_{12\_30} + X_{12\_34} + X_{12\_46} +$   
 $X_{12\_49} +$   
 $X_{12\_58} + X_{12\_67} + X_{12\_78} + X_{12\_81} + X_{12\_95} + X_{12\_98} + X_{12\_109}$   
 $+ X_{12\_119} +$   
 $X_{12\_124} + X_{12\_134} + X_{12\_139} + X_{12\_150} + X_{12\_154} + X_{12\_166} +$   
 $X_{12\_169} +$   
 $X_{12\_178} + X_{12\_187} + X_{12\_198} + X_{12\_201} + X_{12\_215} + X_{12\_218} +$   
 $X_{12\_229} +$   
 $X_{12\_239} \leq 3;$   
 [\_1576]  $X_{12\_5} + X_{12\_10} + X_{12\_22} + X_{12\_28} + X_{12\_39} + X_{12\_42} +$   
 $X_{12\_49} +$   
 $X_{12\_63} + X_{12\_70} + X_{12\_77} + X_{12\_86} + X_{12\_90} + X_{12\_99} + X_{12\_108}$   
 $+ X_{12\_114} +$   
 $X_{12\_125} + X_{12\_130} + X_{12\_142} + X_{12\_148} + X_{12\_159} + X_{12\_162} +$   
 $X_{12\_169} +$   
 $X_{12\_183} + X_{12\_190} + X_{12\_197} + X_{12\_206} + X_{12\_210} + X_{12\_219} +$   
 $X_{12\_228} +$   
 $X_{12\_234} \leq 3;$   
 [\_1577]  $X_{12\_1} + X_{12\_9} + X_{12\_21} + X_{12\_31} + X_{12\_35} + X_{12\_47} +$   
 $X_{12\_53} + X_{12\_63}$   
 $+ X_{12\_67} + X_{12\_79} + X_{12\_88} + X_{12\_93} + X_{12\_102} + X_{12\_111} +$   
 $X_{12\_117} +$   
 $X_{12\_121} + X_{12\_129} + X_{12\_141} + X_{12\_151} + X_{12\_155} + X_{12\_167} +$   
 $X_{12\_173} +$   
 $X_{12\_183} + X_{12\_187} + X_{12\_199} + X_{12\_208} + X_{12\_213} + X_{12\_222} +$   
 $X_{12\_231} +$   
 $X_{12\_237} \leq 3;$   
 [\_1578]  $X_{12\_6} + X_{12\_16} + X_{12\_18} + X_{12\_26} + X_{12\_37} + X_{12\_42} +$   
 $X_{12\_54} +$   
 $X_{12\_60} + X_{12\_68} + X_{12\_75} + X_{12\_84} + X_{12\_91} + X_{12\_101} + X_{12\_109}$   
 $+ X_{12\_117} +$   
 $X_{12\_126} + X_{12\_136} + X_{12\_138} + X_{12\_146} + X_{12\_157} + X_{12\_162} +$   
 $X_{12\_174} +$   
 $X_{12\_180} + X_{12\_188} + X_{12\_195} + X_{12\_204} + X_{12\_211} + X_{12\_221} +$   
 $X_{12\_229} +$   
 $X_{12\_237} \leq 3;$   
 [\_1579]  $X_{12\_1} + X_{12\_15} + X_{12\_24} + X_{12\_27} + X_{12\_36} + X_{12\_44} +$   
 $X_{12\_54} +$   
 $X_{12\_61} + X_{12\_65} + X_{12\_80} + X_{12\_85} + X_{12\_92} + X_{12\_97} + X_{12\_108}$   
 $+ X_{12\_119} +$   
 $X_{12\_121} + X_{12\_135} + X_{12\_144} + X_{12\_147} + X_{12\_156} + X_{12\_164} +$   
 $X_{12\_174} +$   
 $X_{12\_181} + X_{12\_185} + X_{12\_200} + X_{12\_205} + X_{12\_212} + X_{12\_217} +$   
 $X_{12\_228} +$   
 $X_{12\_239} \leq 3;$   
 [\_1580]  $X_{12\_6} + X_{12\_15} + X_{12\_23} + X_{12\_25} + X_{12\_38} + X_{12\_48} +$   
 $X_{12\_56} +$   
 $X_{12\_62} + X_{12\_70} + X_{12\_78} + X_{12\_88} + X_{12\_89} + X_{12\_100} + X_{12\_110}$   
 $+ X_{12\_118} +$   
 $X_{12\_126} + X_{12\_135} + X_{12\_143} + X_{12\_145} + X_{12\_158} + X_{12\_168} +$   
 $X_{12\_176} +$   
 $X_{12\_182} + X_{12\_190} + X_{12\_198} + X_{12\_208} + X_{12\_209} + X_{12\_220} +$   
 $X_{12\_230} +$   
 $X_{12\_238} \leq 3;$



[\_1581] X\_12\_8 + X\_12\_12 + X\_12\_18 + X\_12\_27 + X\_12\_33 + X\_12\_45 +  
 X\_12\_50 +  
 X\_12\_58 + X\_12\_69 + X\_12\_77 + X\_12\_82 + X\_12\_93 + X\_12\_100 + X\_12\_112  
 + X\_12\_115 +  
 X\_12\_128 + X\_12\_132 + X\_12\_138 + X\_12\_147 + X\_12\_153 + X\_12\_165 +  
 X\_12\_170 +  
 X\_12\_178 + X\_12\_189 + X\_12\_197 + X\_12\_202 + X\_12\_213 + X\_12\_220 +  
 X\_12\_232 +  
 X\_12\_235 <= 3;  
 [\_1582] X\_12\_7 + X\_12\_16 + X\_12\_24 + X\_12\_32 + X\_12\_40 + X\_12\_41 +  
 X\_12\_55 +  
 X\_12\_64 + X\_12\_71 + X\_12\_79 + X\_12\_81 + X\_12\_89 + X\_12\_99 + X\_12\_112  
 + X\_12\_120 +  
 X\_12\_127 + X\_12\_136 + X\_12\_144 + X\_12\_152 + X\_12\_160 + X\_12\_161 +  
 X\_12\_175 +  
 X\_12\_184 + X\_12\_191 + X\_12\_199 + X\_12\_201 + X\_12\_209 + X\_12\_219 +  
 X\_12\_232 +  
 X\_12\_240 <= 3;  
 [\_1583] X\_12\_3 + X\_12\_13 + X\_12\_17 + X\_12\_29 + X\_12\_39 + X\_12\_46 +  
 X\_12\_53 +  
 X\_12\_62 + X\_12\_71 + X\_12\_73 + X\_12\_82 + X\_12\_92 + X\_12\_101 + X\_12\_105  
 + X\_12\_113 +  
 X\_12\_123 + X\_12\_133 + X\_12\_137 + X\_12\_149 + X\_12\_159 + X\_12\_166 +  
 X\_12\_173 +  
 X\_12\_182 + X\_12\_191 + X\_12\_193 + X\_12\_202 + X\_12\_212 + X\_12\_221 +  
 X\_12\_225 +  
 X\_12\_233 <= 3;  
 [\_1584] X\_13\_3 + X\_13\_10 + X\_13\_19 + X\_13\_31 + X\_13\_38 + X\_13\_41 +  
 X\_13\_50 +  
 X\_13\_59 + X\_13\_66 + X\_13\_75 + X\_13\_85 + X\_13\_94 + X\_13\_104 + X\_13\_106  
 + X\_13\_116 +  
 X\_13\_123 + X\_13\_130 + X\_13\_139 + X\_13\_151 + X\_13\_158 + X\_13\_161 +  
 X\_13\_170 +  
 X\_13\_179 + X\_13\_186 + X\_13\_195 + X\_13\_205 + X\_13\_214 + X\_13\_224 +  
 X\_13\_226 +  
 X\_13\_236 <= 3;  
 [\_1585] X\_13\_7 + X\_13\_12 + X\_13\_20 + X\_13\_29 + X\_13\_37 + X\_13\_44 +  
 X\_13\_51 +  
 X\_13\_57 + X\_13\_66 + X\_13\_74 + X\_13\_83 + X\_13\_90 + X\_13\_98 + X\_13\_111  
 + X\_13\_118 +  
 X\_13\_127 + X\_13\_132 + X\_13\_140 + X\_13\_149 + X\_13\_157 + X\_13\_164 +  
 X\_13\_171 +  
 X\_13\_177 + X\_13\_186 + X\_13\_194 + X\_13\_203 + X\_13\_210 + X\_13\_218 +  
 X\_13\_231 +  
 X\_13\_238 <= 3;  
 [\_1586] X\_13\_4 + X\_13\_9 + X\_13\_23 + X\_13\_32 + X\_13\_33 + X\_13\_43 +  
 X\_13\_51 + X\_13\_60  
 + X\_13\_65 + X\_13\_76 + X\_13\_87 + X\_13\_94 + X\_13\_103 + X\_13\_105 +  
 X\_13\_114 +  
 X\_13\_124 + X\_13\_129 + X\_13\_143 + X\_13\_152 + X\_13\_153 + X\_13\_163 +  
 X\_13\_171 +  
 X\_13\_180 + X\_13\_185 + X\_13\_196 + X\_13\_207 + X\_13\_214 + X\_13\_223 +  
 X\_13\_225 +  
 X\_13\_234 <= 3;  
 [\_1587] X\_13\_2 + X\_13\_11 + X\_13\_17 + X\_13\_28 + X\_13\_34 + X\_13\_47 +  
 X\_13\_56 +

$X_{13\_64} + X_{13\_69} + X_{13\_76} + X_{13\_83} + X_{13\_91} + X_{13\_97} + X_{13\_107}$   
 $+ X_{13\_116} +$   
 $X_{13\_122} + X_{13\_131} + X_{13\_137} + X_{13\_148} + X_{13\_154} + X_{13\_167} +$   
 $X_{13\_176} +$   
 $X_{13\_184} + X_{13\_189} + X_{13\_196} + X_{13\_203} + X_{13\_211} + X_{13\_217} +$   
 $X_{13\_227} +$   
 $X_{13\_236} \leq 3;$   
 $[_{1588}] X_{13\_8} + X_{13\_11} + X_{13\_20} + X_{13\_26} + X_{13\_36} + X_{13\_43} +$   
 $X_{13\_52} +$   
 $X_{13\_59} + X_{13\_72} + X_{13\_73} + X_{13\_86} + X_{13\_95} + X_{13\_102} + X_{13\_110}$   
 $+ X_{13\_120} +$   
 $X_{13\_128} + X_{13\_131} + X_{13\_140} + X_{13\_146} + X_{13\_156} + X_{13\_163} +$   
 $X_{13\_172} +$   
 $X_{13\_179} + X_{13\_192} + X_{13\_193} + X_{13\_206} + X_{13\_215} + X_{13\_222} +$   
 $X_{13\_230} +$   
 $X_{13\_240} \leq 3;$   
 $[_{1589}] X_{13\_5} + X_{13\_14} + X_{13\_21} + X_{13\_25} + X_{13\_40} + X_{13\_45} +$   
 $X_{13\_52} +$   
 $X_{13\_57} + X_{13\_68} + X_{13\_80} + X_{13\_87} + X_{13\_96} + X_{13\_104} + X_{13\_107}$   
 $+ X_{13\_113} +$   
 $X_{13\_125} + X_{13\_134} + X_{13\_141} + X_{13\_145} + X_{13\_160} + X_{13\_165} +$   
 $X_{13\_172} +$   
 $X_{13\_177} + X_{13\_188} + X_{13\_200} + X_{13\_207} + X_{13\_216} + X_{13\_224} +$   
 $X_{13\_227} +$   
 $X_{13\_233} \leq 3;$   
 $[_{1590}] X_{13\_2} + X_{13\_13} + X_{13\_22} + X_{13\_30} + X_{13\_35} + X_{13\_48} +$   
 $X_{13\_55} +$   
 $X_{13\_61} + X_{13\_72} + X_{13\_74} + X_{13\_84} + X_{13\_96} + X_{13\_103} + X_{13\_106}$   
 $+ X_{13\_115} +$   
 $X_{13\_122} + X_{13\_133} + X_{13\_142} + X_{13\_150} + X_{13\_155} + X_{13\_168} +$   
 $X_{13\_175} +$   
 $X_{13\_181} + X_{13\_192} + X_{13\_194} + X_{13\_204} + X_{13\_216} + X_{13\_223} +$   
 $X_{13\_226} +$   
 $X_{13\_235} \leq 3;$   
 $[_{1591}] X_{13\_4} + X_{13\_14} + X_{13\_19} + X_{13\_30} + X_{13\_34} + X_{13\_46} +$   
 $X_{13\_49} +$   
 $X_{13\_58} + X_{13\_67} + X_{13\_78} + X_{13\_81} + X_{13\_95} + X_{13\_98} + X_{13\_109}$   
 $+ X_{13\_119} +$   
 $X_{13\_124} + X_{13\_134} + X_{13\_139} + X_{13\_150} + X_{13\_154} + X_{13\_166} +$   
 $X_{13\_169} +$   
 $X_{13\_178} + X_{13\_187} + X_{13\_198} + X_{13\_201} + X_{13\_215} + X_{13\_218} +$   
 $X_{13\_229} +$   
 $X_{13\_239} \leq 3;$   
 $[_{1592}] X_{13\_5} + X_{13\_10} + X_{13\_22} + X_{13\_28} + X_{13\_39} + X_{13\_42} +$   
 $X_{13\_49} +$   
 $X_{13\_63} + X_{13\_70} + X_{13\_77} + X_{13\_86} + X_{13\_90} + X_{13\_99} + X_{13\_108}$   
 $+ X_{13\_114} +$   
 $X_{13\_125} + X_{13\_130} + X_{13\_142} + X_{13\_148} + X_{13\_159} + X_{13\_162} +$   
 $X_{13\_169} +$   
 $X_{13\_183} + X_{13\_190} + X_{13\_197} + X_{13\_206} + X_{13\_210} + X_{13\_219} +$   
 $X_{13\_228} +$   
 $X_{13\_234} \leq 3;$   
 $[_{1593}] X_{13\_1} + X_{13\_9} + X_{13\_21} + X_{13\_31} + X_{13\_35} + X_{13\_47} +$   
 $X_{13\_53} + X_{13\_63}$   
 $+ X_{13\_67} + X_{13\_79} + X_{13\_88} + X_{13\_93} + X_{13\_102} + X_{13\_111} +$   
 $X_{13\_117} +$

$X_{13\_121} + X_{13\_129} + X_{13\_141} + X_{13\_151} + X_{13\_155} + X_{13\_167} +$   
 $X_{13\_173} +$   
 $X_{13\_183} + X_{13\_187} + X_{13\_199} + X_{13\_208} + X_{13\_213} + X_{13\_222} +$   
 $X_{13\_231} +$   
 $X_{13\_237} \leq 3;$   
 [\_1594]  $X_{13\_6} + X_{13\_16} + X_{13\_18} + X_{13\_26} + X_{13\_37} + X_{13\_42} +$   
 $X_{13\_54} +$   
 $X_{13\_60} + X_{13\_68} + X_{13\_75} + X_{13\_84} + X_{13\_91} + X_{13\_101} + X_{13\_109}$   
 $+ X_{13\_117} +$   
 $X_{13\_126} + X_{13\_136} + X_{13\_138} + X_{13\_146} + X_{13\_157} + X_{13\_162} +$   
 $X_{13\_174} +$   
 $X_{13\_180} + X_{13\_188} + X_{13\_195} + X_{13\_204} + X_{13\_211} + X_{13\_221} +$   
 $X_{13\_229} +$   
 $X_{13\_237} \leq 3;$   
 [\_1595]  $X_{13\_1} + X_{13\_15} + X_{13\_24} + X_{13\_27} + X_{13\_36} + X_{13\_44} +$   
 $X_{13\_54} +$   
 $X_{13\_61} + X_{13\_65} + X_{13\_80} + X_{13\_85} + X_{13\_92} + X_{13\_97} + X_{13\_108}$   
 $+ X_{13\_119} +$   
 $X_{13\_121} + X_{13\_135} + X_{13\_144} + X_{13\_147} + X_{13\_156} + X_{13\_164} +$   
 $X_{13\_174} +$   
 $X_{13\_181} + X_{13\_185} + X_{13\_200} + X_{13\_205} + X_{13\_212} + X_{13\_217} +$   
 $X_{13\_228} +$   
 $X_{13\_239} \leq 3;$   
 [\_1596]  $X_{13\_6} + X_{13\_15} + X_{13\_23} + X_{13\_25} + X_{13\_38} + X_{13\_48} +$   
 $X_{13\_56} +$   
 $X_{13\_62} + X_{13\_70} + X_{13\_78} + X_{13\_88} + X_{13\_89} + X_{13\_100} + X_{13\_110}$   
 $+ X_{13\_118} +$   
 $X_{13\_126} + X_{13\_135} + X_{13\_143} + X_{13\_145} + X_{13\_158} + X_{13\_168} +$   
 $X_{13\_176} +$   
 $X_{13\_182} + X_{13\_190} + X_{13\_198} + X_{13\_208} + X_{13\_209} + X_{13\_220} +$   
 $X_{13\_230} +$   
 $X_{13\_238} \leq 3;$   
 [\_1597]  $X_{13\_8} + X_{13\_12} + X_{13\_18} + X_{13\_27} + X_{13\_33} + X_{13\_45} +$   
 $X_{13\_50} +$   
 $X_{13\_58} + X_{13\_69} + X_{13\_77} + X_{13\_82} + X_{13\_93} + X_{13\_100} + X_{13\_112}$   
 $+ X_{13\_115} +$   
 $X_{13\_128} + X_{13\_132} + X_{13\_138} + X_{13\_147} + X_{13\_153} + X_{13\_165} +$   
 $X_{13\_170} +$   
 $X_{13\_178} + X_{13\_189} + X_{13\_197} + X_{13\_202} + X_{13\_213} + X_{13\_220} +$   
 $X_{13\_232} +$   
 $X_{13\_235} \leq 3;$   
 [\_1598]  $X_{13\_7} + X_{13\_16} + X_{13\_24} + X_{13\_32} + X_{13\_40} + X_{13\_41} +$   
 $X_{13\_55} +$   
 $X_{13\_64} + X_{13\_71} + X_{13\_79} + X_{13\_81} + X_{13\_89} + X_{13\_99} + X_{13\_112}$   
 $+ X_{13\_120} +$   
 $X_{13\_127} + X_{13\_136} + X_{13\_144} + X_{13\_152} + X_{13\_160} + X_{13\_161} +$   
 $X_{13\_175} +$   
 $X_{13\_184} + X_{13\_191} + X_{13\_199} + X_{13\_201} + X_{13\_209} + X_{13\_219} +$   
 $X_{13\_232} +$   
 $X_{13\_240} \leq 3;$   
 [\_1599]  $X_{13\_3} + X_{13\_13} + X_{13\_17} + X_{13\_29} + X_{13\_39} + X_{13\_46} +$   
 $X_{13\_53} +$   
 $X_{13\_62} + X_{13\_71} + X_{13\_73} + X_{13\_82} + X_{13\_92} + X_{13\_101} + X_{13\_105}$   
 $+ X_{13\_113} +$   
 $X_{13\_123} + X_{13\_133} + X_{13\_137} + X_{13\_149} + X_{13\_159} + X_{13\_166} +$   
 $X_{13\_173} +$

$X_{13\_182} + X_{13\_191} + X_{13\_193} + X_{13\_202} + X_{13\_212} + X_{13\_221} + X_{13\_225} +$   
 $X_{13\_233} \leq 3;$   
 [\_1600]  $X_{14\_3} + X_{14\_10} + X_{14\_19} + X_{14\_31} + X_{14\_38} + X_{14\_41} + X_{14\_50} +$   
 $X_{14\_59} + X_{14\_66} + X_{14\_75} + X_{14\_85} + X_{14\_94} + X_{14\_104} + X_{14\_106} + X_{14\_116} +$   
 $X_{14\_123} + X_{14\_130} + X_{14\_139} + X_{14\_151} + X_{14\_158} + X_{14\_161} + X_{14\_170} +$   
 $X_{14\_179} + X_{14\_186} + X_{14\_195} + X_{14\_205} + X_{14\_214} + X_{14\_224} + X_{14\_226} +$   
 $X_{14\_236} \leq 3;$   
 [\_1601]  $X_{14\_7} + X_{14\_12} + X_{14\_20} + X_{14\_29} + X_{14\_37} + X_{14\_44} + X_{14\_51} +$   
 $X_{14\_57} + X_{14\_66} + X_{14\_74} + X_{14\_83} + X_{14\_90} + X_{14\_98} + X_{14\_111} + X_{14\_118} +$   
 $X_{14\_127} + X_{14\_132} + X_{14\_140} + X_{14\_149} + X_{14\_157} + X_{14\_164} + X_{14\_171} +$   
 $X_{14\_177} + X_{14\_186} + X_{14\_194} + X_{14\_203} + X_{14\_210} + X_{14\_218} + X_{14\_231} +$   
 $X_{14\_238} \leq 3;$   
 [\_1602]  $X_{14\_4} + X_{14\_9} + X_{14\_23} + X_{14\_32} + X_{14\_33} + X_{14\_43} + X_{14\_51} + X_{14\_60} +$   
 $X_{14\_65} + X_{14\_76} + X_{14\_87} + X_{14\_94} + X_{14\_103} + X_{14\_105} + X_{14\_114} +$   
 $X_{14\_124} + X_{14\_129} + X_{14\_143} + X_{14\_152} + X_{14\_153} + X_{14\_163} + X_{14\_171} +$   
 $X_{14\_180} + X_{14\_185} + X_{14\_196} + X_{14\_207} + X_{14\_214} + X_{14\_223} + X_{14\_225} +$   
 $X_{14\_234} \leq 3;$   
 [\_1603]  $X_{14\_2} + X_{14\_11} + X_{14\_17} + X_{14\_28} + X_{14\_34} + X_{14\_47} + X_{14\_56} +$   
 $X_{14\_64} + X_{14\_69} + X_{14\_76} + X_{14\_83} + X_{14\_91} + X_{14\_97} + X_{14\_107} + X_{14\_116} +$   
 $X_{14\_122} + X_{14\_131} + X_{14\_137} + X_{14\_148} + X_{14\_154} + X_{14\_167} + X_{14\_176} +$   
 $X_{14\_184} + X_{14\_189} + X_{14\_196} + X_{14\_203} + X_{14\_211} + X_{14\_217} + X_{14\_227} +$   
 $X_{14\_236} \leq 3;$   
 [\_1604]  $X_{14\_8} + X_{14\_11} + X_{14\_20} + X_{14\_26} + X_{14\_36} + X_{14\_43} + X_{14\_52} +$   
 $X_{14\_59} + X_{14\_72} + X_{14\_73} + X_{14\_86} + X_{14\_95} + X_{14\_102} + X_{14\_110} + X_{14\_120} +$   
 $X_{14\_128} + X_{14\_131} + X_{14\_140} + X_{14\_146} + X_{14\_156} + X_{14\_163} + X_{14\_172} +$   
 $X_{14\_179} + X_{14\_192} + X_{14\_193} + X_{14\_206} + X_{14\_215} + X_{14\_222} + X_{14\_230} +$   
 $X_{14\_240} \leq 3;$   
 [\_1605]  $X_{14\_5} + X_{14\_14} + X_{14\_21} + X_{14\_25} + X_{14\_40} + X_{14\_45} + X_{14\_52} +$   
 $X_{14\_57} + X_{14\_68} + X_{14\_80} + X_{14\_87} + X_{14\_96} + X_{14\_104} + X_{14\_107} + X_{14\_113} +$   
 $X_{14\_125} + X_{14\_134} + X_{14\_141} + X_{14\_145} + X_{14\_160} + X_{14\_165} + X_{14\_172} +$   
 $X_{14\_177} + X_{14\_188} + X_{14\_200} + X_{14\_207} + X_{14\_216} + X_{14\_224} + X_{14\_227} +$   
 $X_{14\_233} \leq 3;$

[\_1606] X\_14\_2 + X\_14\_13 + X\_14\_22 + X\_14\_30 + X\_14\_35 + X\_14\_48 +  
 X\_14\_55 +  
 X\_14\_61 + X\_14\_72 + X\_14\_74 + X\_14\_84 + X\_14\_96 + X\_14\_103 + X\_14\_106  
 + X\_14\_115 +  
 X\_14\_122 + X\_14\_133 + X\_14\_142 + X\_14\_150 + X\_14\_155 + X\_14\_168 +  
 X\_14\_175 +  
 X\_14\_181 + X\_14\_192 + X\_14\_194 + X\_14\_204 + X\_14\_216 + X\_14\_223 +  
 X\_14\_226 +  
 X\_14\_235 <= 3;  
 [\_1607] X\_14\_4 + X\_14\_14 + X\_14\_19 + X\_14\_30 + X\_14\_34 + X\_14\_46 +  
 X\_14\_49 +  
 X\_14\_58 + X\_14\_67 + X\_14\_78 + X\_14\_81 + X\_14\_95 + X\_14\_98 + X\_14\_109  
 + X\_14\_119 +  
 X\_14\_124 + X\_14\_134 + X\_14\_139 + X\_14\_150 + X\_14\_154 + X\_14\_166 +  
 X\_14\_169 +  
 X\_14\_178 + X\_14\_187 + X\_14\_198 + X\_14\_201 + X\_14\_215 + X\_14\_218 +  
 X\_14\_229 +  
 X\_14\_239 <= 3;  
 [\_1608] X\_14\_5 + X\_14\_10 + X\_14\_22 + X\_14\_28 + X\_14\_39 + X\_14\_42 +  
 X\_14\_49 +  
 X\_14\_63 + X\_14\_70 + X\_14\_77 + X\_14\_86 + X\_14\_90 + X\_14\_99 + X\_14\_108  
 + X\_14\_114 +  
 X\_14\_125 + X\_14\_130 + X\_14\_142 + X\_14\_148 + X\_14\_159 + X\_14\_162 +  
 X\_14\_169 +  
 X\_14\_183 + X\_14\_190 + X\_14\_197 + X\_14\_206 + X\_14\_210 + X\_14\_219 +  
 X\_14\_228 +  
 X\_14\_234 <= 3;  
 [\_1609] X\_14\_1 + X\_14\_9 + X\_14\_21 + X\_14\_31 + X\_14\_35 + X\_14\_47 +  
 X\_14\_53 + X\_14\_63  
 + X\_14\_67 + X\_14\_79 + X\_14\_88 + X\_14\_93 + X\_14\_102 + X\_14\_111 +  
 X\_14\_117 +  
 X\_14\_121 + X\_14\_129 + X\_14\_141 + X\_14\_151 + X\_14\_155 + X\_14\_167 +  
 X\_14\_173 +  
 X\_14\_183 + X\_14\_187 + X\_14\_199 + X\_14\_208 + X\_14\_213 + X\_14\_222 +  
 X\_14\_231 +  
 X\_14\_237 <= 3;  
 [\_1610] X\_14\_6 + X\_14\_16 + X\_14\_18 + X\_14\_26 + X\_14\_37 + X\_14\_42 +  
 X\_14\_54 +  
 X\_14\_60 + X\_14\_68 + X\_14\_75 + X\_14\_84 + X\_14\_91 + X\_14\_101 + X\_14\_109  
 + X\_14\_117 +  
 X\_14\_126 + X\_14\_136 + X\_14\_138 + X\_14\_146 + X\_14\_157 + X\_14\_162 +  
 X\_14\_174 +  
 X\_14\_180 + X\_14\_188 + X\_14\_195 + X\_14\_204 + X\_14\_211 + X\_14\_221 +  
 X\_14\_229 +  
 X\_14\_237 <= 3;  
 [\_1611] X\_14\_1 + X\_14\_15 + X\_14\_24 + X\_14\_27 + X\_14\_36 + X\_14\_44 +  
 X\_14\_54 +  
 X\_14\_61 + X\_14\_65 + X\_14\_80 + X\_14\_85 + X\_14\_92 + X\_14\_97 + X\_14\_108  
 + X\_14\_119 +  
 X\_14\_121 + X\_14\_135 + X\_14\_144 + X\_14\_147 + X\_14\_156 + X\_14\_164 +  
 X\_14\_174 +  
 X\_14\_181 + X\_14\_185 + X\_14\_200 + X\_14\_205 + X\_14\_212 + X\_14\_217 +  
 X\_14\_228 +  
 X\_14\_239 <= 3;  
 [\_1612] X\_14\_6 + X\_14\_15 + X\_14\_23 + X\_14\_25 + X\_14\_38 + X\_14\_48 +  
 X\_14\_56 +

$X_{14\_62} + X_{14\_70} + X_{14\_78} + X_{14\_88} + X_{14\_89} + X_{14\_100} + X_{14\_110}$   
 $+ X_{14\_118} +$   
 $X_{14\_126} + X_{14\_135} + X_{14\_143} + X_{14\_145} + X_{14\_158} + X_{14\_168} +$   
 $X_{14\_176} +$   
 $X_{14\_182} + X_{14\_190} + X_{14\_198} + X_{14\_208} + X_{14\_209} + X_{14\_220} +$   
 $X_{14\_230} +$   
 $X_{14\_238} \leq 3;$   
 [\_1613]  $X_{14\_8} + X_{14\_12} + X_{14\_18} + X_{14\_27} + X_{14\_33} + X_{14\_45} +$   
 $X_{14\_50} +$   
 $X_{14\_58} + X_{14\_69} + X_{14\_77} + X_{14\_82} + X_{14\_93} + X_{14\_100} + X_{14\_112}$   
 $+ X_{14\_115} +$   
 $X_{14\_128} + X_{14\_132} + X_{14\_138} + X_{14\_147} + X_{14\_153} + X_{14\_165} +$   
 $X_{14\_170} +$   
 $X_{14\_178} + X_{14\_189} + X_{14\_197} + X_{14\_202} + X_{14\_213} + X_{14\_220} +$   
 $X_{14\_232} +$   
 $X_{14\_235} \leq 3;$   
 [\_1614]  $X_{14\_7} + X_{14\_16} + X_{14\_24} + X_{14\_32} + X_{14\_40} + X_{14\_41} +$   
 $X_{14\_55} +$   
 $X_{14\_64} + X_{14\_71} + X_{14\_79} + X_{14\_81} + X_{14\_89} + X_{14\_99} + X_{14\_112}$   
 $+ X_{14\_120} +$   
 $X_{14\_127} + X_{14\_136} + X_{14\_144} + X_{14\_152} + X_{14\_160} + X_{14\_161} +$   
 $X_{14\_175} +$   
 $X_{14\_184} + X_{14\_191} + X_{14\_199} + X_{14\_201} + X_{14\_209} + X_{14\_219} +$   
 $X_{14\_232} +$   
 $X_{14\_240} \leq 3;$   
 [\_1615]  $X_{14\_3} + X_{14\_13} + X_{14\_17} + X_{14\_29} + X_{14\_39} + X_{14\_46} +$   
 $X_{14\_53} +$   
 $X_{14\_62} + X_{14\_71} + X_{14\_73} + X_{14\_82} + X_{14\_92} + X_{14\_101} + X_{14\_105}$   
 $+ X_{14\_113} +$   
 $X_{14\_123} + X_{14\_133} + X_{14\_137} + X_{14\_149} + X_{14\_159} + X_{14\_166} +$   
 $X_{14\_173} +$   
 $X_{14\_182} + X_{14\_191} + X_{14\_193} + X_{14\_202} + X_{14\_212} + X_{14\_221} +$   
 $X_{14\_225} +$   
 $X_{14\_233} \leq 3;$   
 [\_1616]  $X_{15\_3} + X_{15\_10} + X_{15\_19} + X_{15\_31} + X_{15\_38} + X_{15\_41} +$   
 $X_{15\_50} +$   
 $X_{15\_59} + X_{15\_66} + X_{15\_75} + X_{15\_85} + X_{15\_94} + X_{15\_104} + X_{15\_106}$   
 $+ X_{15\_116} +$   
 $X_{15\_123} + X_{15\_130} + X_{15\_139} + X_{15\_151} + X_{15\_158} + X_{15\_161} +$   
 $X_{15\_170} +$   
 $X_{15\_179} + X_{15\_186} + X_{15\_195} + X_{15\_205} + X_{15\_214} + X_{15\_224} +$   
 $X_{15\_226} +$   
 $X_{15\_236} \leq 3;$   
 [\_1617]  $X_{15\_7} + X_{15\_12} + X_{15\_20} + X_{15\_29} + X_{15\_37} + X_{15\_44} +$   
 $X_{15\_51} +$   
 $X_{15\_57} + X_{15\_66} + X_{15\_74} + X_{15\_83} + X_{15\_90} + X_{15\_98} + X_{15\_111}$   
 $+ X_{15\_118} +$   
 $X_{15\_127} + X_{15\_132} + X_{15\_140} + X_{15\_149} + X_{15\_157} + X_{15\_164} +$   
 $X_{15\_171} +$   
 $X_{15\_177} + X_{15\_186} + X_{15\_194} + X_{15\_203} + X_{15\_210} + X_{15\_218} +$   
 $X_{15\_231} +$   
 $X_{15\_238} \leq 3;$   
 [\_1618]  $X_{15\_4} + X_{15\_9} + X_{15\_23} + X_{15\_32} + X_{15\_33} + X_{15\_43} +$   
 $X_{15\_51} + X_{15\_60}$   
 $+ X_{15\_65} + X_{15\_76} + X_{15\_87} + X_{15\_94} + X_{15\_103} + X_{15\_105} +$   
 $X_{15\_114} +$

$X_{15\_124} + X_{15\_129} + X_{15\_143} + X_{15\_152} + X_{15\_153} + X_{15\_163} +$   
 $X_{15\_171} +$   
 $X_{15\_180} + X_{15\_185} + X_{15\_196} + X_{15\_207} + X_{15\_214} + X_{15\_223} +$   
 $X_{15\_225} +$   
 $X_{15\_234} \leq 3;$   
 [\_1619]  $X_{15\_2} + X_{15\_11} + X_{15\_17} + X_{15\_28} + X_{15\_34} + X_{15\_47} +$   
 $X_{15\_56} +$   
 $X_{15\_64} + X_{15\_69} + X_{15\_76} + X_{15\_83} + X_{15\_91} + X_{15\_97} + X_{15\_107}$   
 $+ X_{15\_116} +$   
 $X_{15\_122} + X_{15\_131} + X_{15\_137} + X_{15\_148} + X_{15\_154} + X_{15\_167} +$   
 $X_{15\_176} +$   
 $X_{15\_184} + X_{15\_189} + X_{15\_196} + X_{15\_203} + X_{15\_211} + X_{15\_217} +$   
 $X_{15\_227} +$   
 $X_{15\_236} \leq 3;$   
 [\_1620]  $X_{15\_8} + X_{15\_11} + X_{15\_20} + X_{15\_26} + X_{15\_36} + X_{15\_43} +$   
 $X_{15\_52} +$   
 $X_{15\_59} + X_{15\_72} + X_{15\_73} + X_{15\_86} + X_{15\_95} + X_{15\_102} + X_{15\_110}$   
 $+ X_{15\_120} +$   
 $X_{15\_128} + X_{15\_131} + X_{15\_140} + X_{15\_146} + X_{15\_156} + X_{15\_163} +$   
 $X_{15\_172} +$   
 $X_{15\_179} + X_{15\_192} + X_{15\_193} + X_{15\_206} + X_{15\_215} + X_{15\_222} +$   
 $X_{15\_230} +$   
 $X_{15\_240} \leq 3;$   
 [\_1621]  $X_{15\_5} + X_{15\_14} + X_{15\_21} + X_{15\_25} + X_{15\_40} + X_{15\_45} +$   
 $X_{15\_52} +$   
 $X_{15\_57} + X_{15\_68} + X_{15\_80} + X_{15\_87} + X_{15\_96} + X_{15\_104} + X_{15\_107}$   
 $+ X_{15\_113} +$   
 $X_{15\_125} + X_{15\_134} + X_{15\_141} + X_{15\_145} + X_{15\_160} + X_{15\_165} +$   
 $X_{15\_172} +$   
 $X_{15\_177} + X_{15\_188} + X_{15\_200} + X_{15\_207} + X_{15\_216} + X_{15\_224} +$   
 $X_{15\_227} +$   
 $X_{15\_233} \leq 3;$   
 [\_1622]  $X_{15\_2} + X_{15\_13} + X_{15\_22} + X_{15\_30} + X_{15\_35} + X_{15\_48} +$   
 $X_{15\_55} +$   
 $X_{15\_61} + X_{15\_72} + X_{15\_74} + X_{15\_84} + X_{15\_96} + X_{15\_103} + X_{15\_106}$   
 $+ X_{15\_115} +$   
 $X_{15\_122} + X_{15\_133} + X_{15\_142} + X_{15\_150} + X_{15\_155} + X_{15\_168} +$   
 $X_{15\_175} +$   
 $X_{15\_181} + X_{15\_192} + X_{15\_194} + X_{15\_204} + X_{15\_216} + X_{15\_223} +$   
 $X_{15\_226} +$   
 $X_{15\_235} \leq 3;$   
 [\_1623]  $X_{15\_4} + X_{15\_14} + X_{15\_19} + X_{15\_30} + X_{15\_34} + X_{15\_46} +$   
 $X_{15\_49} +$   
 $X_{15\_58} + X_{15\_67} + X_{15\_78} + X_{15\_81} + X_{15\_95} + X_{15\_98} + X_{15\_109}$   
 $+ X_{15\_119} +$   
 $X_{15\_124} + X_{15\_134} + X_{15\_139} + X_{15\_150} + X_{15\_154} + X_{15\_166} +$   
 $X_{15\_169} +$   
 $X_{15\_178} + X_{15\_187} + X_{15\_198} + X_{15\_201} + X_{15\_215} + X_{15\_218} +$   
 $X_{15\_229} +$   
 $X_{15\_239} \leq 3;$   
 [\_1624]  $X_{15\_5} + X_{15\_10} + X_{15\_22} + X_{15\_28} + X_{15\_39} + X_{15\_42} +$   
 $X_{15\_49} +$   
 $X_{15\_63} + X_{15\_70} + X_{15\_77} + X_{15\_86} + X_{15\_90} + X_{15\_99} + X_{15\_108}$   
 $+ X_{15\_114} +$   
 $X_{15\_125} + X_{15\_130} + X_{15\_142} + X_{15\_148} + X_{15\_159} + X_{15\_162} +$   
 $X_{15\_169} +$

$X_{15\_183} + X_{15\_190} + X_{15\_197} + X_{15\_206} + X_{15\_210} + X_{15\_219} + X_{15\_228} + X_{15\_234} \leq 3;$   
 [\_1625]  $X_{15\_1} + X_{15\_9} + X_{15\_21} + X_{15\_31} + X_{15\_35} + X_{15\_47} + X_{15\_53} + X_{15\_63} + X_{15\_67} + X_{15\_79} + X_{15\_88} + X_{15\_93} + X_{15\_102} + X_{15\_111} + X_{15\_117} + X_{15\_121} + X_{15\_129} + X_{15\_141} + X_{15\_151} + X_{15\_155} + X_{15\_167} + X_{15\_173} + X_{15\_183} + X_{15\_187} + X_{15\_199} + X_{15\_208} + X_{15\_213} + X_{15\_222} + X_{15\_231} + X_{15\_237} \leq 3;$   
 [\_1626]  $X_{15\_6} + X_{15\_16} + X_{15\_18} + X_{15\_26} + X_{15\_37} + X_{15\_42} + X_{15\_54} + X_{15\_60} + X_{15\_68} + X_{15\_75} + X_{15\_84} + X_{15\_91} + X_{15\_101} + X_{15\_109} + X_{15\_117} + X_{15\_126} + X_{15\_136} + X_{15\_138} + X_{15\_146} + X_{15\_157} + X_{15\_162} + X_{15\_174} + X_{15\_180} + X_{15\_188} + X_{15\_195} + X_{15\_204} + X_{15\_211} + X_{15\_221} + X_{15\_229} + X_{15\_237} \leq 3;$   
 [\_1627]  $X_{15\_1} + X_{15\_15} + X_{15\_24} + X_{15\_27} + X_{15\_36} + X_{15\_44} + X_{15\_54} + X_{15\_61} + X_{15\_65} + X_{15\_80} + X_{15\_85} + X_{15\_92} + X_{15\_97} + X_{15\_108} + X_{15\_119} + X_{15\_121} + X_{15\_135} + X_{15\_144} + X_{15\_147} + X_{15\_156} + X_{15\_164} + X_{15\_174} + X_{15\_181} + X_{15\_185} + X_{15\_200} + X_{15\_205} + X_{15\_212} + X_{15\_217} + X_{15\_228} + X_{15\_239} \leq 3;$   
 [\_1628]  $X_{15\_6} + X_{15\_15} + X_{15\_23} + X_{15\_25} + X_{15\_38} + X_{15\_48} + X_{15\_56} + X_{15\_62} + X_{15\_70} + X_{15\_78} + X_{15\_88} + X_{15\_89} + X_{15\_100} + X_{15\_110} + X_{15\_118} + X_{15\_126} + X_{15\_135} + X_{15\_143} + X_{15\_145} + X_{15\_158} + X_{15\_168} + X_{15\_176} + X_{15\_182} + X_{15\_190} + X_{15\_198} + X_{15\_208} + X_{15\_209} + X_{15\_220} + X_{15\_230} + X_{15\_238} \leq 3;$   
 [\_1629]  $X_{15\_8} + X_{15\_12} + X_{15\_18} + X_{15\_27} + X_{15\_33} + X_{15\_45} + X_{15\_50} + X_{15\_58} + X_{15\_69} + X_{15\_77} + X_{15\_82} + X_{15\_93} + X_{15\_100} + X_{15\_112} + X_{15\_115} + X_{15\_128} + X_{15\_132} + X_{15\_138} + X_{15\_147} + X_{15\_153} + X_{15\_165} + X_{15\_170} + X_{15\_178} + X_{15\_189} + X_{15\_197} + X_{15\_202} + X_{15\_213} + X_{15\_220} + X_{15\_232} + X_{15\_235} \leq 3;$   
 [\_1630]  $X_{15\_7} + X_{15\_16} + X_{15\_24} + X_{15\_32} + X_{15\_40} + X_{15\_41} + X_{15\_55} + X_{15\_64} + X_{15\_71} + X_{15\_79} + X_{15\_81} + X_{15\_89} + X_{15\_99} + X_{15\_112} + X_{15\_120} + X_{15\_127} + X_{15\_136} + X_{15\_144} + X_{15\_152} + X_{15\_160} + X_{15\_161} + X_{15\_175} + X_{15\_184} + X_{15\_191} + X_{15\_199} + X_{15\_201} + X_{15\_209} + X_{15\_219} + X_{15\_232} + X_{15\_240} \leq 3;$



[\_1631] X\_15\_3 + X\_15\_13 + X\_15\_17 + X\_15\_29 + X\_15\_39 + X\_15\_46 +  
 X\_15\_53 +  
 X\_15\_62 + X\_15\_71 + X\_15\_73 + X\_15\_82 + X\_15\_92 + X\_15\_101 + X\_15\_105  
 + X\_15\_113 +  
 X\_15\_123 + X\_15\_133 + X\_15\_137 + X\_15\_149 + X\_15\_159 + X\_15\_166 +  
 X\_15\_173 +  
 X\_15\_182 + X\_15\_191 + X\_15\_193 + X\_15\_202 + X\_15\_212 + X\_15\_221 +  
 X\_15\_225 +  
 X\_15\_233 <= 3;  
 [\_1632] X\_16\_3 + X\_16\_10 + X\_16\_19 + X\_16\_31 + X\_16\_38 + X\_16\_41 +  
 X\_16\_50 +  
 X\_16\_59 + X\_16\_66 + X\_16\_75 + X\_16\_85 + X\_16\_94 + X\_16\_104 + X\_16\_106  
 + X\_16\_116 +  
 X\_16\_123 + X\_16\_130 + X\_16\_139 + X\_16\_151 + X\_16\_158 + X\_16\_161 +  
 X\_16\_170 +  
 X\_16\_179 + X\_16\_186 + X\_16\_195 + X\_16\_205 + X\_16\_214 + X\_16\_224 +  
 X\_16\_226 +  
 X\_16\_236 <= 3;  
 [\_1633] X\_16\_7 + X\_16\_12 + X\_16\_20 + X\_16\_29 + X\_16\_37 + X\_16\_44 +  
 X\_16\_51 +  
 X\_16\_57 + X\_16\_66 + X\_16\_74 + X\_16\_83 + X\_16\_90 + X\_16\_98 + X\_16\_111  
 + X\_16\_118 +  
 X\_16\_127 + X\_16\_132 + X\_16\_140 + X\_16\_149 + X\_16\_157 + X\_16\_164 +  
 X\_16\_171 +  
 X\_16\_177 + X\_16\_186 + X\_16\_194 + X\_16\_203 + X\_16\_210 + X\_16\_218 +  
 X\_16\_231 +  
 X\_16\_238 <= 3;  
 [\_1634] X\_16\_4 + X\_16\_9 + X\_16\_23 + X\_16\_32 + X\_16\_33 + X\_16\_43 +  
 X\_16\_51 + X\_16\_60  
 + X\_16\_65 + X\_16\_76 + X\_16\_87 + X\_16\_94 + X\_16\_103 + X\_16\_105 +  
 X\_16\_114 +  
 X\_16\_124 + X\_16\_129 + X\_16\_143 + X\_16\_152 + X\_16\_153 + X\_16\_163 +  
 X\_16\_171 +  
 X\_16\_180 + X\_16\_185 + X\_16\_196 + X\_16\_207 + X\_16\_214 + X\_16\_223 +  
 X\_16\_225 +  
 X\_16\_234 <= 3;  
 [\_1635] X\_16\_2 + X\_16\_11 + X\_16\_17 + X\_16\_28 + X\_16\_34 + X\_16\_47 +  
 X\_16\_56 +  
 X\_16\_64 + X\_16\_69 + X\_16\_76 + X\_16\_83 + X\_16\_91 + X\_16\_97 + X\_16\_107  
 + X\_16\_116 +  
 X\_16\_122 + X\_16\_131 + X\_16\_137 + X\_16\_148 + X\_16\_154 + X\_16\_167 +  
 X\_16\_176 +  
 X\_16\_184 + X\_16\_189 + X\_16\_196 + X\_16\_203 + X\_16\_211 + X\_16\_217 +  
 X\_16\_227 +  
 X\_16\_236 <= 3;  
 [\_1636] X\_16\_8 + X\_16\_11 + X\_16\_20 + X\_16\_26 + X\_16\_36 + X\_16\_43 +  
 X\_16\_52 +  
 X\_16\_59 + X\_16\_72 + X\_16\_73 + X\_16\_86 + X\_16\_95 + X\_16\_102 + X\_16\_110  
 + X\_16\_120 +  
 X\_16\_128 + X\_16\_131 + X\_16\_140 + X\_16\_146 + X\_16\_156 + X\_16\_163 +  
 X\_16\_172 +  
 X\_16\_179 + X\_16\_192 + X\_16\_193 + X\_16\_206 + X\_16\_215 + X\_16\_222 +  
 X\_16\_230 +  
 X\_16\_240 <= 3;  
 [\_1637] X\_16\_5 + X\_16\_14 + X\_16\_21 + X\_16\_25 + X\_16\_40 + X\_16\_45 +  
 X\_16\_52 +

$X_{16\_57} + X_{16\_68} + X_{16\_80} + X_{16\_87} + X_{16\_96} + X_{16\_104} + X_{16\_107}$   
 $+ X_{16\_113} +$   
 $X_{16\_125} + X_{16\_134} + X_{16\_141} + X_{16\_145} + X_{16\_160} + X_{16\_165} +$   
 $X_{16\_172} +$   
 $X_{16\_177} + X_{16\_188} + X_{16\_200} + X_{16\_207} + X_{16\_216} + X_{16\_224} +$   
 $X_{16\_227} +$   
 $X_{16\_233} \leq 3;$   
 [\_1638]  $X_{16\_2} + X_{16\_13} + X_{16\_22} + X_{16\_30} + X_{16\_35} + X_{16\_48} +$   
 $X_{16\_55} +$   
 $X_{16\_61} + X_{16\_72} + X_{16\_74} + X_{16\_84} + X_{16\_96} + X_{16\_103} + X_{16\_106}$   
 $+ X_{16\_115} +$   
 $X_{16\_122} + X_{16\_133} + X_{16\_142} + X_{16\_150} + X_{16\_155} + X_{16\_168} +$   
 $X_{16\_175} +$   
 $X_{16\_181} + X_{16\_192} + X_{16\_194} + X_{16\_204} + X_{16\_216} + X_{16\_223} +$   
 $X_{16\_226} +$   
 $X_{16\_235} \leq 3;$   
 [\_1639]  $X_{16\_4} + X_{16\_14} + X_{16\_19} + X_{16\_30} + X_{16\_34} + X_{16\_46} +$   
 $X_{16\_49} +$   
 $X_{16\_58} + X_{16\_67} + X_{16\_78} + X_{16\_81} + X_{16\_95} + X_{16\_98} + X_{16\_109}$   
 $+ X_{16\_119} +$   
 $X_{16\_124} + X_{16\_134} + X_{16\_139} + X_{16\_150} + X_{16\_154} + X_{16\_166} +$   
 $X_{16\_169} +$   
 $X_{16\_178} + X_{16\_187} + X_{16\_198} + X_{16\_201} + X_{16\_215} + X_{16\_218} +$   
 $X_{16\_229} +$   
 $X_{16\_239} \leq 3;$   
 [\_1640]  $X_{16\_5} + X_{16\_10} + X_{16\_22} + X_{16\_28} + X_{16\_39} + X_{16\_42} +$   
 $X_{16\_49} +$   
 $X_{16\_63} + X_{16\_70} + X_{16\_77} + X_{16\_86} + X_{16\_90} + X_{16\_99} + X_{16\_108}$   
 $+ X_{16\_114} +$   
 $X_{16\_125} + X_{16\_130} + X_{16\_142} + X_{16\_148} + X_{16\_159} + X_{16\_162} +$   
 $X_{16\_169} +$   
 $X_{16\_183} + X_{16\_190} + X_{16\_197} + X_{16\_206} + X_{16\_210} + X_{16\_219} +$   
 $X_{16\_228} +$   
 $X_{16\_234} \leq 3;$   
 [\_1641]  $X_{16\_1} + X_{16\_9} + X_{16\_21} + X_{16\_31} + X_{16\_35} + X_{16\_47} +$   
 $X_{16\_53} + X_{16\_63}$   
 $+ X_{16\_67} + X_{16\_79} + X_{16\_88} + X_{16\_93} + X_{16\_102} + X_{16\_111} +$   
 $X_{16\_117} +$   
 $X_{16\_121} + X_{16\_129} + X_{16\_141} + X_{16\_151} + X_{16\_155} + X_{16\_167} +$   
 $X_{16\_173} +$   
 $X_{16\_183} + X_{16\_187} + X_{16\_199} + X_{16\_208} + X_{16\_213} + X_{16\_222} +$   
 $X_{16\_231} +$   
 $X_{16\_237} \leq 3;$   
 [\_1642]  $X_{16\_6} + X_{16\_16} + X_{16\_18} + X_{16\_26} + X_{16\_37} + X_{16\_42} +$   
 $X_{16\_54} +$   
 $X_{16\_60} + X_{16\_68} + X_{16\_75} + X_{16\_84} + X_{16\_91} + X_{16\_101} + X_{16\_109}$   
 $+ X_{16\_117} +$   
 $X_{16\_126} + X_{16\_136} + X_{16\_138} + X_{16\_146} + X_{16\_157} + X_{16\_162} +$   
 $X_{16\_174} +$   
 $X_{16\_180} + X_{16\_188} + X_{16\_195} + X_{16\_204} + X_{16\_211} + X_{16\_221} +$   
 $X_{16\_229} +$   
 $X_{16\_237} \leq 3;$   
 [\_1643]  $X_{16\_1} + X_{16\_15} + X_{16\_24} + X_{16\_27} + X_{16\_36} + X_{16\_44} +$   
 $X_{16\_54} +$   
 $X_{16\_61} + X_{16\_65} + X_{16\_80} + X_{16\_85} + X_{16\_92} + X_{16\_97} + X_{16\_108}$   
 $+ X_{16\_119} +$

$X_{16\_121} + X_{16\_135} + X_{16\_144} + X_{16\_147} + X_{16\_156} + X_{16\_164} + X_{16\_174} +$   
 $X_{16\_181} + X_{16\_185} + X_{16\_200} + X_{16\_205} + X_{16\_212} + X_{16\_217} + X_{16\_228} +$   
 $X_{16\_239} \leq 3;$   
 [\_1644]  $X_{16\_6} + X_{16\_15} + X_{16\_23} + X_{16\_25} + X_{16\_38} + X_{16\_48} + X_{16\_56} +$   
 $X_{16\_62} + X_{16\_70} + X_{16\_78} + X_{16\_88} + X_{16\_89} + X_{16\_100} + X_{16\_110} + X_{16\_118} +$   
 $X_{16\_126} + X_{16\_135} + X_{16\_143} + X_{16\_145} + X_{16\_158} + X_{16\_168} + X_{16\_176} +$   
 $X_{16\_182} + X_{16\_190} + X_{16\_198} + X_{16\_208} + X_{16\_209} + X_{16\_220} + X_{16\_230} +$   
 $X_{16\_238} \leq 3;$   
 [\_1645]  $X_{16\_8} + X_{16\_12} + X_{16\_18} + X_{16\_27} + X_{16\_33} + X_{16\_45} + X_{16\_50} +$   
 $X_{16\_58} + X_{16\_69} + X_{16\_77} + X_{16\_82} + X_{16\_93} + X_{16\_100} + X_{16\_112} + X_{16\_115} +$   
 $X_{16\_128} + X_{16\_132} + X_{16\_138} + X_{16\_147} + X_{16\_153} + X_{16\_165} + X_{16\_170} +$   
 $X_{16\_178} + X_{16\_189} + X_{16\_197} + X_{16\_202} + X_{16\_213} + X_{16\_220} + X_{16\_232} +$   
 $X_{16\_235} \leq 3;$   
 [\_1646]  $X_{16\_7} + X_{16\_16} + X_{16\_24} + X_{16\_32} + X_{16\_40} + X_{16\_41} + X_{16\_55} +$   
 $X_{16\_64} + X_{16\_71} + X_{16\_79} + X_{16\_81} + X_{16\_89} + X_{16\_99} + X_{16\_112} + X_{16\_120} +$   
 $X_{16\_127} + X_{16\_136} + X_{16\_144} + X_{16\_152} + X_{16\_160} + X_{16\_161} + X_{16\_175} +$   
 $X_{16\_184} + X_{16\_191} + X_{16\_199} + X_{16\_201} + X_{16\_209} + X_{16\_219} + X_{16\_232} +$   
 $X_{16\_240} \leq 3;$   
 [\_1647]  $X_{16\_3} + X_{16\_13} + X_{16\_17} + X_{16\_29} + X_{16\_39} + X_{16\_46} + X_{16\_53} +$   
 $X_{16\_62} + X_{16\_71} + X_{16\_73} + X_{16\_82} + X_{16\_92} + X_{16\_101} + X_{16\_105} + X_{16\_113} +$   
 $X_{16\_123} + X_{16\_133} + X_{16\_137} + X_{16\_149} + X_{16\_159} + X_{16\_166} + X_{16\_173} +$   
 $X_{16\_182} + X_{16\_191} + X_{16\_193} + X_{16\_202} + X_{16\_212} + X_{16\_221} + X_{16\_225} +$   
 $X_{16\_233} \leq 3;$   
 [\_1648]  $X_{17\_3} + X_{17\_10} + X_{17\_19} + X_{17\_31} + X_{17\_38} + X_{17\_41} + X_{17\_50} +$   
 $X_{17\_59} + X_{17\_66} + X_{17\_75} + X_{17\_85} + X_{17\_94} + X_{17\_104} + X_{17\_106} + X_{17\_116} +$   
 $X_{17\_123} + X_{17\_130} + X_{17\_139} + X_{17\_151} + X_{17\_158} + X_{17\_161} + X_{17\_170} +$   
 $X_{17\_179} + X_{17\_186} + X_{17\_195} + X_{17\_205} + X_{17\_214} + X_{17\_224} + X_{17\_226} +$   
 $X_{17\_236} \leq 3;$   
 [\_1649]  $X_{17\_7} + X_{17\_12} + X_{17\_20} + X_{17\_29} + X_{17\_37} + X_{17\_44} + X_{17\_51} +$   
 $X_{17\_57} + X_{17\_66} + X_{17\_74} + X_{17\_83} + X_{17\_90} + X_{17\_98} + X_{17\_111} + X_{17\_118} +$   
 $X_{17\_127} + X_{17\_132} + X_{17\_140} + X_{17\_149} + X_{17\_157} + X_{17\_164} + X_{17\_171} +$

$X_{17\_177} + X_{17\_186} + X_{17\_194} + X_{17\_203} + X_{17\_210} + X_{17\_218} + X_{17\_231} + X_{17\_238} \leq 3;$   
 [\_1650]  $X_{17\_4} + X_{17\_9} + X_{17\_23} + X_{17\_32} + X_{17\_33} + X_{17\_43} + X_{17\_51} + X_{17\_60} + X_{17\_65} + X_{17\_76} + X_{17\_87} + X_{17\_94} + X_{17\_103} + X_{17\_105} + X_{17\_114} + X_{17\_124} + X_{17\_129} + X_{17\_143} + X_{17\_152} + X_{17\_153} + X_{17\_163} + X_{17\_171} + X_{17\_180} + X_{17\_185} + X_{17\_196} + X_{17\_207} + X_{17\_214} + X_{17\_223} + X_{17\_225} + X_{17\_234} \leq 3;$   
 [\_1651]  $X_{17\_2} + X_{17\_11} + X_{17\_17} + X_{17\_28} + X_{17\_34} + X_{17\_47} + X_{17\_56} + X_{17\_64} + X_{17\_69} + X_{17\_76} + X_{17\_83} + X_{17\_91} + X_{17\_97} + X_{17\_107} + X_{17\_116} + X_{17\_122} + X_{17\_131} + X_{17\_137} + X_{17\_148} + X_{17\_154} + X_{17\_167} + X_{17\_176} + X_{17\_184} + X_{17\_189} + X_{17\_196} + X_{17\_203} + X_{17\_211} + X_{17\_217} + X_{17\_227} + X_{17\_236} \leq 3;$   
 [\_1652]  $X_{17\_8} + X_{17\_11} + X_{17\_20} + X_{17\_26} + X_{17\_36} + X_{17\_43} + X_{17\_52} + X_{17\_59} + X_{17\_72} + X_{17\_73} + X_{17\_86} + X_{17\_95} + X_{17\_102} + X_{17\_110} + X_{17\_120} + X_{17\_128} + X_{17\_131} + X_{17\_140} + X_{17\_146} + X_{17\_156} + X_{17\_163} + X_{17\_172} + X_{17\_179} + X_{17\_192} + X_{17\_193} + X_{17\_206} + X_{17\_215} + X_{17\_222} + X_{17\_230} + X_{17\_240} \leq 3;$   
 [\_1653]  $X_{17\_5} + X_{17\_14} + X_{17\_21} + X_{17\_25} + X_{17\_40} + X_{17\_45} + X_{17\_52} + X_{17\_57} + X_{17\_68} + X_{17\_80} + X_{17\_87} + X_{17\_96} + X_{17\_104} + X_{17\_107} + X_{17\_113} + X_{17\_125} + X_{17\_134} + X_{17\_141} + X_{17\_145} + X_{17\_160} + X_{17\_165} + X_{17\_172} + X_{17\_177} + X_{17\_188} + X_{17\_200} + X_{17\_207} + X_{17\_216} + X_{17\_224} + X_{17\_227} + X_{17\_233} \leq 3;$   
 [\_1654]  $X_{17\_2} + X_{17\_13} + X_{17\_22} + X_{17\_30} + X_{17\_35} + X_{17\_48} + X_{17\_55} + X_{17\_61} + X_{17\_72} + X_{17\_74} + X_{17\_84} + X_{17\_96} + X_{17\_103} + X_{17\_106} + X_{17\_115} + X_{17\_122} + X_{17\_133} + X_{17\_142} + X_{17\_150} + X_{17\_155} + X_{17\_168} + X_{17\_175} + X_{17\_181} + X_{17\_192} + X_{17\_194} + X_{17\_204} + X_{17\_216} + X_{17\_223} + X_{17\_226} + X_{17\_235} \leq 3;$   
 [\_1655]  $X_{17\_4} + X_{17\_14} + X_{17\_19} + X_{17\_30} + X_{17\_34} + X_{17\_46} + X_{17\_49} + X_{17\_58} + X_{17\_67} + X_{17\_78} + X_{17\_81} + X_{17\_95} + X_{17\_98} + X_{17\_109} + X_{17\_119} + X_{17\_124} + X_{17\_134} + X_{17\_139} + X_{17\_150} + X_{17\_154} + X_{17\_166} + X_{17\_169} + X_{17\_178} + X_{17\_187} + X_{17\_198} + X_{17\_201} + X_{17\_215} + X_{17\_218} + X_{17\_229} + X_{17\_239} \leq 3;$

[\_1656] X\_17\_5 + X\_17\_10 + X\_17\_22 + X\_17\_28 + X\_17\_39 + X\_17\_42 +  
 X\_17\_49 +  
 X\_17\_63 + X\_17\_70 + X\_17\_77 + X\_17\_86 + X\_17\_90 + X\_17\_99 + X\_17\_108  
 + X\_17\_114 +  
 X\_17\_125 + X\_17\_130 + X\_17\_142 + X\_17\_148 + X\_17\_159 + X\_17\_162 +  
 X\_17\_169 +  
 X\_17\_183 + X\_17\_190 + X\_17\_197 + X\_17\_206 + X\_17\_210 + X\_17\_219 +  
 X\_17\_228 +  
 X\_17\_234 <= 3;  
 [\_1657] X\_17\_1 + X\_17\_9 + X\_17\_21 + X\_17\_31 + X\_17\_35 + X\_17\_47 +  
 X\_17\_53 + X\_17\_63  
 + X\_17\_67 + X\_17\_79 + X\_17\_88 + X\_17\_93 + X\_17\_102 + X\_17\_111 +  
 X\_17\_117 +  
 X\_17\_121 + X\_17\_129 + X\_17\_141 + X\_17\_151 + X\_17\_155 + X\_17\_167 +  
 X\_17\_173 +  
 X\_17\_183 + X\_17\_187 + X\_17\_199 + X\_17\_208 + X\_17\_213 + X\_17\_222 +  
 X\_17\_231 +  
 X\_17\_237 <= 3;  
 [\_1658] X\_17\_6 + X\_17\_16 + X\_17\_18 + X\_17\_26 + X\_17\_37 + X\_17\_42 +  
 X\_17\_54 +  
 X\_17\_60 + X\_17\_68 + X\_17\_75 + X\_17\_84 + X\_17\_91 + X\_17\_101 + X\_17\_109  
 + X\_17\_117 +  
 X\_17\_126 + X\_17\_136 + X\_17\_138 + X\_17\_146 + X\_17\_157 + X\_17\_162 +  
 X\_17\_174 +  
 X\_17\_180 + X\_17\_188 + X\_17\_195 + X\_17\_204 + X\_17\_211 + X\_17\_221 +  
 X\_17\_229 +  
 X\_17\_237 <= 3;  
 [\_1659] X\_17\_1 + X\_17\_15 + X\_17\_24 + X\_17\_27 + X\_17\_36 + X\_17\_44 +  
 X\_17\_54 +  
 X\_17\_61 + X\_17\_65 + X\_17\_80 + X\_17\_85 + X\_17\_92 + X\_17\_97 + X\_17\_108  
 + X\_17\_119 +  
 X\_17\_121 + X\_17\_135 + X\_17\_144 + X\_17\_147 + X\_17\_156 + X\_17\_164 +  
 X\_17\_174 +  
 X\_17\_181 + X\_17\_185 + X\_17\_200 + X\_17\_205 + X\_17\_212 + X\_17\_217 +  
 X\_17\_228 +  
 X\_17\_239 <= 3;  
 [\_1660] X\_17\_6 + X\_17\_15 + X\_17\_23 + X\_17\_25 + X\_17\_38 + X\_17\_48 +  
 X\_17\_56 +  
 X\_17\_62 + X\_17\_70 + X\_17\_78 + X\_17\_88 + X\_17\_89 + X\_17\_100 + X\_17\_110  
 + X\_17\_118 +  
 X\_17\_126 + X\_17\_135 + X\_17\_143 + X\_17\_145 + X\_17\_158 + X\_17\_168 +  
 X\_17\_176 +  
 X\_17\_182 + X\_17\_190 + X\_17\_198 + X\_17\_208 + X\_17\_209 + X\_17\_220 +  
 X\_17\_230 +  
 X\_17\_238 <= 3;  
 [\_1661] X\_17\_8 + X\_17\_12 + X\_17\_18 + X\_17\_27 + X\_17\_33 + X\_17\_45 +  
 X\_17\_50 +  
 X\_17\_58 + X\_17\_69 + X\_17\_77 + X\_17\_82 + X\_17\_93 + X\_17\_100 + X\_17\_112  
 + X\_17\_115 +  
 X\_17\_128 + X\_17\_132 + X\_17\_138 + X\_17\_147 + X\_17\_153 + X\_17\_165 +  
 X\_17\_170 +  
 X\_17\_178 + X\_17\_189 + X\_17\_197 + X\_17\_202 + X\_17\_213 + X\_17\_220 +  
 X\_17\_232 +  
 X\_17\_235 <= 3;  
 [\_1662] X\_17\_7 + X\_17\_16 + X\_17\_24 + X\_17\_32 + X\_17\_40 + X\_17\_41 +  
 X\_17\_55 +

$X_{17\_64} + X_{17\_71} + X_{17\_79} + X_{17\_81} + X_{17\_89} + X_{17\_99} + X_{17\_112}$   
 $+ X_{17\_120} +$   
 $X_{17\_127} + X_{17\_136} + X_{17\_144} + X_{17\_152} + X_{17\_160} + X_{17\_161} +$   
 $X_{17\_175} +$   
 $X_{17\_184} + X_{17\_191} + X_{17\_199} + X_{17\_201} + X_{17\_209} + X_{17\_219} +$   
 $X_{17\_232} +$   
 $X_{17\_240} \leq 3;$   
 $[_{1663}] X_{17\_3} + X_{17\_13} + X_{17\_17} + X_{17\_29} + X_{17\_39} + X_{17\_46} +$   
 $X_{17\_53} +$   
 $X_{17\_62} + X_{17\_71} + X_{17\_73} + X_{17\_82} + X_{17\_92} + X_{17\_101} + X_{17\_105}$   
 $+ X_{17\_113} +$   
 $X_{17\_123} + X_{17\_133} + X_{17\_137} + X_{17\_149} + X_{17\_159} + X_{17\_166} +$   
 $X_{17\_173} +$   
 $X_{17\_182} + X_{17\_191} + X_{17\_193} + X_{17\_202} + X_{17\_212} + X_{17\_221} +$   
 $X_{17\_225} +$   
 $X_{17\_233} \leq 3;$   
 $[_{1664}] X_{18\_3} + X_{18\_10} + X_{18\_19} + X_{18\_31} + X_{18\_38} + X_{18\_41} +$   
 $X_{18\_50} +$   
 $X_{18\_59} + X_{18\_66} + X_{18\_75} + X_{18\_85} + X_{18\_94} + X_{18\_104} + X_{18\_106}$   
 $+ X_{18\_116} +$   
 $X_{18\_123} + X_{18\_130} + X_{18\_139} + X_{18\_151} + X_{18\_158} + X_{18\_161} +$   
 $X_{18\_170} +$   
 $X_{18\_179} + X_{18\_186} + X_{18\_195} + X_{18\_205} + X_{18\_214} + X_{18\_224} +$   
 $X_{18\_226} +$   
 $X_{18\_236} \leq 3;$   
 $[_{1665}] X_{18\_7} + X_{18\_12} + X_{18\_20} + X_{18\_29} + X_{18\_37} + X_{18\_44} +$   
 $X_{18\_51} +$   
 $X_{18\_57} + X_{18\_66} + X_{18\_74} + X_{18\_83} + X_{18\_90} + X_{18\_98} + X_{18\_111}$   
 $+ X_{18\_118} +$   
 $X_{18\_127} + X_{18\_132} + X_{18\_140} + X_{18\_149} + X_{18\_157} + X_{18\_164} +$   
 $X_{18\_171} +$   
 $X_{18\_177} + X_{18\_186} + X_{18\_194} + X_{18\_203} + X_{18\_210} + X_{18\_218} +$   
 $X_{18\_231} +$   
 $X_{18\_238} \leq 3;$   
 $[_{1666}] X_{18\_4} + X_{18\_9} + X_{18\_23} + X_{18\_32} + X_{18\_33} + X_{18\_43} +$   
 $X_{18\_51} + X_{18\_60}$   
 $+ X_{18\_65} + X_{18\_76} + X_{18\_87} + X_{18\_94} + X_{18\_103} + X_{18\_105} +$   
 $X_{18\_114} +$   
 $X_{18\_124} + X_{18\_129} + X_{18\_143} + X_{18\_152} + X_{18\_153} + X_{18\_163} +$   
 $X_{18\_171} +$   
 $X_{18\_180} + X_{18\_185} + X_{18\_196} + X_{18\_207} + X_{18\_214} + X_{18\_223} +$   
 $X_{18\_225} +$   
 $X_{18\_234} \leq 3;$   
 $[_{1667}] X_{18\_2} + X_{18\_11} + X_{18\_17} + X_{18\_28} + X_{18\_34} + X_{18\_47} +$   
 $X_{18\_56} +$   
 $X_{18\_64} + X_{18\_69} + X_{18\_76} + X_{18\_83} + X_{18\_91} + X_{18\_97} + X_{18\_107}$   
 $+ X_{18\_116} +$   
 $X_{18\_122} + X_{18\_131} + X_{18\_137} + X_{18\_148} + X_{18\_154} + X_{18\_167} +$   
 $X_{18\_176} +$   
 $X_{18\_184} + X_{18\_189} + X_{18\_196} + X_{18\_203} + X_{18\_211} + X_{18\_217} +$   
 $X_{18\_227} +$   
 $X_{18\_236} \leq 3;$   
 $[_{1668}] X_{18\_8} + X_{18\_11} + X_{18\_20} + X_{18\_26} + X_{18\_36} + X_{18\_43} +$   
 $X_{18\_52} +$   
 $X_{18\_59} + X_{18\_72} + X_{18\_73} + X_{18\_86} + X_{18\_95} + X_{18\_102} + X_{18\_110}$   
 $+ X_{18\_120} +$

$X_{18\_128} + X_{18\_131} + X_{18\_140} + X_{18\_146} + X_{18\_156} + X_{18\_163} + X_{18\_172} +$   
 $X_{18\_179} + X_{18\_192} + X_{18\_193} + X_{18\_206} + X_{18\_215} + X_{18\_222} + X_{18\_230} +$   
 $X_{18\_240} \leq 3;$   
 [\_1669]  $X_{18\_5} + X_{18\_14} + X_{18\_21} + X_{18\_25} + X_{18\_40} + X_{18\_45} + X_{18\_52} +$   
 $X_{18\_57} + X_{18\_68} + X_{18\_80} + X_{18\_87} + X_{18\_96} + X_{18\_104} + X_{18\_107} + X_{18\_113} +$   
 $X_{18\_125} + X_{18\_134} + X_{18\_141} + X_{18\_145} + X_{18\_160} + X_{18\_165} + X_{18\_172} +$   
 $X_{18\_177} + X_{18\_188} + X_{18\_200} + X_{18\_207} + X_{18\_216} + X_{18\_224} + X_{18\_227} +$   
 $X_{18\_233} \leq 3;$   
 [\_1670]  $X_{18\_2} + X_{18\_13} + X_{18\_22} + X_{18\_30} + X_{18\_35} + X_{18\_48} + X_{18\_55} +$   
 $X_{18\_61} + X_{18\_72} + X_{18\_74} + X_{18\_84} + X_{18\_96} + X_{18\_103} + X_{18\_106} + X_{18\_115} +$   
 $X_{18\_122} + X_{18\_133} + X_{18\_142} + X_{18\_150} + X_{18\_155} + X_{18\_168} + X_{18\_175} +$   
 $X_{18\_181} + X_{18\_192} + X_{18\_194} + X_{18\_204} + X_{18\_216} + X_{18\_223} + X_{18\_226} +$   
 $X_{18\_235} \leq 3;$   
 [\_1671]  $X_{18\_4} + X_{18\_14} + X_{18\_19} + X_{18\_30} + X_{18\_34} + X_{18\_46} + X_{18\_49} +$   
 $X_{18\_58} + X_{18\_67} + X_{18\_78} + X_{18\_81} + X_{18\_95} + X_{18\_98} + X_{18\_109} + X_{18\_119} +$   
 $X_{18\_124} + X_{18\_134} + X_{18\_139} + X_{18\_150} + X_{18\_154} + X_{18\_166} + X_{18\_169} +$   
 $X_{18\_178} + X_{18\_187} + X_{18\_198} + X_{18\_201} + X_{18\_215} + X_{18\_218} + X_{18\_229} +$   
 $X_{18\_239} \leq 3;$   
 [\_1672]  $X_{18\_5} + X_{18\_10} + X_{18\_22} + X_{18\_28} + X_{18\_39} + X_{18\_42} + X_{18\_49} +$   
 $X_{18\_63} + X_{18\_70} + X_{18\_77} + X_{18\_86} + X_{18\_90} + X_{18\_99} + X_{18\_108} + X_{18\_114} +$   
 $X_{18\_125} + X_{18\_130} + X_{18\_142} + X_{18\_148} + X_{18\_159} + X_{18\_162} + X_{18\_169} +$   
 $X_{18\_183} + X_{18\_190} + X_{18\_197} + X_{18\_206} + X_{18\_210} + X_{18\_219} + X_{18\_228} +$   
 $X_{18\_234} \leq 3;$   
 [\_1673]  $X_{18\_1} + X_{18\_9} + X_{18\_21} + X_{18\_31} + X_{18\_35} + X_{18\_47} + X_{18\_53} + X_{18\_63} +$   
 $X_{18\_67} + X_{18\_79} + X_{18\_88} + X_{18\_93} + X_{18\_102} + X_{18\_111} + X_{18\_117} +$   
 $X_{18\_121} + X_{18\_129} + X_{18\_141} + X_{18\_151} + X_{18\_155} + X_{18\_167} + X_{18\_173} +$   
 $X_{18\_183} + X_{18\_187} + X_{18\_199} + X_{18\_208} + X_{18\_213} + X_{18\_222} + X_{18\_231} +$   
 $X_{18\_237} \leq 3;$   
 [\_1674]  $X_{18\_6} + X_{18\_16} + X_{18\_18} + X_{18\_26} + X_{18\_37} + X_{18\_42} + X_{18\_54} +$   
 $X_{18\_60} + X_{18\_68} + X_{18\_75} + X_{18\_84} + X_{18\_91} + X_{18\_101} + X_{18\_109} + X_{18\_117} +$   
 $X_{18\_126} + X_{18\_136} + X_{18\_138} + X_{18\_146} + X_{18\_157} + X_{18\_162} + X_{18\_174} +$

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X_18_180 + X_18_188 + X_18_195 + X_18_204 + X_18_211 + X_18_221 +
X_18_229 +
X_18_237 <= 3;
[_1675] X_18_1 + X_18_15 + X_18_24 + X_18_27 + X_18_36 + X_18_44 +
X_18_54 +
X_18_61 + X_18_65 + X_18_80 + X_18_85 + X_18_92 + X_18_97 + X_18_108
+ X_18_119 +
X_18_121 + X_18_135 + X_18_144 + X_18_147 + X_18_156 + X_18_164 +
X_18_174 +
X_18_181 + X_18_185 + X_18_200 + X_18_205 + X_18_212 + X_18_217 +
X_18_228 +
X_18_239 <= 3;
[_1676] X_18_6 + X_18_15 + X_18_23 + X_18_25 + X_18_38 + X_18_48 +
X_18_56 +
X_18_62 + X_18_70 + X_18_78 + X_18_88 + X_18_89 + X_18_100 + X_18_110
+ X_18_118 +
X_18_126 + X_18_135 + X_18_143 + X_18_145 + X_18_158 + X_18_168 +
X_18_176 +
X_18_182 + X_18_190 + X_18_198 + X_18_208 + X_18_209 + X_18_220 +
X_18_230 +
X_18_238 <= 3;
[_1677] X_18_8 + X_18_12 + X_18_18 + X_18_27 + X_18_33 + X_18_45 +
X_18_50 +
X_18_58 + X_18_69 + X_18_77 + X_18_82 + X_18_93 + X_18_100 + X_18_112
+ X_18_115 +
X_18_128 + X_18_132 + X_18_138 + X_18_147 + X_18_153 + X_18_165 +
X_18_170 +
X_18_178 + X_18_189 + X_18_197 + X_18_202 + X_18_213 + X_18_220 +
X_18_232 +
X_18_235 <= 3;
[_1678] X_18_7 + X_18_16 + X_18_24 + X_18_32 + X_18_40 + X_18_41 +
X_18_55 +
X_18_64 + X_18_71 + X_18_79 + X_18_81 + X_18_89 + X_18_99 + X_18_112
+ X_18_120 +
X_18_127 + X_18_136 + X_18_144 + X_18_152 + X_18_160 + X_18_161 +
X_18_175 +
X_18_184 + X_18_191 + X_18_199 + X_18_201 + X_18_209 + X_18_219 +
X_18_232 +
X_18_240 <= 3;
[_1679] X_18_3 + X_18_13 + X_18_17 + X_18_29 + X_18_39 + X_18_46 +
X_18_53 +
X_18_62 + X_18_71 + X_18_73 + X_18_82 + X_18_92 + X_18_101 + X_18_105
+ X_18_113 +
X_18_123 + X_18_133 + X_18_137 + X_18_149 + X_18_159 + X_18_166 +
X_18_173 +
X_18_182 + X_18_191 + X_18_193 + X_18_202 + X_18_212 + X_18_221 +
X_18_225 +
X_18_233 <= 3;
[_1680] X_19_3 + X_19_10 + X_19_19 + X_19_31 + X_19_38 + X_19_41 +
X_19_50 +
X_19_59 + X_19_66 + X_19_75 + X_19_85 + X_19_94 + X_19_104 + X_19_106
+ X_19_116 +
X_19_123 + X_19_130 + X_19_139 + X_19_151 + X_19_158 + X_19_161 +
X_19_170 +
X_19_179 + X_19_186 + X_19_195 + X_19_205 + X_19_214 + X_19_224 +
X_19_226 +
X_19_236 <= 3;

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[\_1681] X\_19\_7 + X\_19\_12 + X\_19\_20 + X\_19\_29 + X\_19\_37 + X\_19\_44 +  
 X\_19\_51 +  
 X\_19\_57 + X\_19\_66 + X\_19\_74 + X\_19\_83 + X\_19\_90 + X\_19\_98 + X\_19\_111  
 + X\_19\_118 +  
 X\_19\_127 + X\_19\_132 + X\_19\_140 + X\_19\_149 + X\_19\_157 + X\_19\_164 +  
 X\_19\_171 +  
 X\_19\_177 + X\_19\_186 + X\_19\_194 + X\_19\_203 + X\_19\_210 + X\_19\_218 +  
 X\_19\_231 +  
 X\_19\_238 <= 3;  
 [\_1682] X\_19\_4 + X\_19\_9 + X\_19\_23 + X\_19\_32 + X\_19\_33 + X\_19\_43 +  
 X\_19\_51 + X\_19\_60  
 + X\_19\_65 + X\_19\_76 + X\_19\_87 + X\_19\_94 + X\_19\_103 + X\_19\_105 +  
 X\_19\_114 +  
 X\_19\_124 + X\_19\_129 + X\_19\_143 + X\_19\_152 + X\_19\_153 + X\_19\_163 +  
 X\_19\_171 +  
 X\_19\_180 + X\_19\_185 + X\_19\_196 + X\_19\_207 + X\_19\_214 + X\_19\_223 +  
 X\_19\_225 +  
 X\_19\_234 <= 3;  
 [\_1683] X\_19\_2 + X\_19\_11 + X\_19\_17 + X\_19\_28 + X\_19\_34 + X\_19\_47 +  
 X\_19\_56 +  
 X\_19\_64 + X\_19\_69 + X\_19\_76 + X\_19\_83 + X\_19\_91 + X\_19\_97 + X\_19\_107  
 + X\_19\_116 +  
 X\_19\_122 + X\_19\_131 + X\_19\_137 + X\_19\_148 + X\_19\_154 + X\_19\_167 +  
 X\_19\_176 +  
 X\_19\_184 + X\_19\_189 + X\_19\_196 + X\_19\_203 + X\_19\_211 + X\_19\_217 +  
 X\_19\_227 +  
 X\_19\_236 <= 3;  
 [\_1684] X\_19\_8 + X\_19\_11 + X\_19\_20 + X\_19\_26 + X\_19\_36 + X\_19\_43 +  
 X\_19\_52 +  
 X\_19\_59 + X\_19\_72 + X\_19\_73 + X\_19\_86 + X\_19\_95 + X\_19\_102 + X\_19\_110  
 + X\_19\_120 +  
 X\_19\_128 + X\_19\_131 + X\_19\_140 + X\_19\_146 + X\_19\_156 + X\_19\_163 +  
 X\_19\_172 +  
 X\_19\_179 + X\_19\_192 + X\_19\_193 + X\_19\_206 + X\_19\_215 + X\_19\_222 +  
 X\_19\_230 +  
 X\_19\_240 <= 3;  
 [\_1685] X\_19\_5 + X\_19\_14 + X\_19\_21 + X\_19\_25 + X\_19\_40 + X\_19\_45 +  
 X\_19\_52 +  
 X\_19\_57 + X\_19\_68 + X\_19\_80 + X\_19\_87 + X\_19\_96 + X\_19\_104 + X\_19\_107  
 + X\_19\_113 +  
 X\_19\_125 + X\_19\_134 + X\_19\_141 + X\_19\_145 + X\_19\_160 + X\_19\_165 +  
 X\_19\_172 +  
 X\_19\_177 + X\_19\_188 + X\_19\_200 + X\_19\_207 + X\_19\_216 + X\_19\_224 +  
 X\_19\_227 +  
 X\_19\_233 <= 3;  
 [\_1686] X\_19\_2 + X\_19\_13 + X\_19\_22 + X\_19\_30 + X\_19\_35 + X\_19\_48 +  
 X\_19\_55 +  
 X\_19\_61 + X\_19\_72 + X\_19\_74 + X\_19\_84 + X\_19\_96 + X\_19\_103 + X\_19\_106  
 + X\_19\_115 +  
 X\_19\_122 + X\_19\_133 + X\_19\_142 + X\_19\_150 + X\_19\_155 + X\_19\_168 +  
 X\_19\_175 +  
 X\_19\_181 + X\_19\_192 + X\_19\_194 + X\_19\_204 + X\_19\_216 + X\_19\_223 +  
 X\_19\_226 +  
 X\_19\_235 <= 3;  
 [\_1687] X\_19\_4 + X\_19\_14 + X\_19\_19 + X\_19\_30 + X\_19\_34 + X\_19\_46 +  
 X\_19\_49 +

$X_{19\_58} + X_{19\_67} + X_{19\_78} + X_{19\_81} + X_{19\_95} + X_{19\_98} + X_{19\_109}$   
 $+ X_{19\_119} +$   
 $X_{19\_124} + X_{19\_134} + X_{19\_139} + X_{19\_150} + X_{19\_154} + X_{19\_166} +$   
 $X_{19\_169} +$   
 $X_{19\_178} + X_{19\_187} + X_{19\_198} + X_{19\_201} + X_{19\_215} + X_{19\_218} +$   
 $X_{19\_229} +$   
 $X_{19\_239} \leq 3;$   
 [\_1688]  $X_{19\_5} + X_{19\_10} + X_{19\_22} + X_{19\_28} + X_{19\_39} + X_{19\_42} +$   
 $X_{19\_49} +$   
 $X_{19\_63} + X_{19\_70} + X_{19\_77} + X_{19\_86} + X_{19\_90} + X_{19\_99} + X_{19\_108}$   
 $+ X_{19\_114} +$   
 $X_{19\_125} + X_{19\_130} + X_{19\_142} + X_{19\_148} + X_{19\_159} + X_{19\_162} +$   
 $X_{19\_169} +$   
 $X_{19\_183} + X_{19\_190} + X_{19\_197} + X_{19\_206} + X_{19\_210} + X_{19\_219} +$   
 $X_{19\_228} +$   
 $X_{19\_234} \leq 3;$   
 [\_1689]  $X_{19\_1} + X_{19\_9} + X_{19\_21} + X_{19\_31} + X_{19\_35} + X_{19\_47} +$   
 $X_{19\_53} + X_{19\_63}$   
 $+ X_{19\_67} + X_{19\_79} + X_{19\_88} + X_{19\_93} + X_{19\_102} + X_{19\_111} +$   
 $X_{19\_117} +$   
 $X_{19\_121} + X_{19\_129} + X_{19\_141} + X_{19\_151} + X_{19\_155} + X_{19\_167} +$   
 $X_{19\_173} +$   
 $X_{19\_183} + X_{19\_187} + X_{19\_199} + X_{19\_208} + X_{19\_213} + X_{19\_222} +$   
 $X_{19\_231} +$   
 $X_{19\_237} \leq 3;$   
 [\_1690]  $X_{19\_6} + X_{19\_16} + X_{19\_18} + X_{19\_26} + X_{19\_37} + X_{19\_42} +$   
 $X_{19\_54} +$   
 $X_{19\_60} + X_{19\_68} + X_{19\_75} + X_{19\_84} + X_{19\_91} + X_{19\_101} + X_{19\_109}$   
 $+ X_{19\_117} +$   
 $X_{19\_126} + X_{19\_136} + X_{19\_138} + X_{19\_146} + X_{19\_157} + X_{19\_162} +$   
 $X_{19\_174} +$   
 $X_{19\_180} + X_{19\_188} + X_{19\_195} + X_{19\_204} + X_{19\_211} + X_{19\_221} +$   
 $X_{19\_229} +$   
 $X_{19\_237} \leq 3;$   
 [\_1691]  $X_{19\_1} + X_{19\_15} + X_{19\_24} + X_{19\_27} + X_{19\_36} + X_{19\_44} +$   
 $X_{19\_54} +$   
 $X_{19\_61} + X_{19\_65} + X_{19\_80} + X_{19\_85} + X_{19\_92} + X_{19\_97} + X_{19\_108}$   
 $+ X_{19\_119} +$   
 $X_{19\_121} + X_{19\_135} + X_{19\_144} + X_{19\_147} + X_{19\_156} + X_{19\_164} +$   
 $X_{19\_174} +$   
 $X_{19\_181} + X_{19\_185} + X_{19\_200} + X_{19\_205} + X_{19\_212} + X_{19\_217} +$   
 $X_{19\_228} +$   
 $X_{19\_239} \leq 3;$   
 [\_1692]  $X_{19\_6} + X_{19\_15} + X_{19\_23} + X_{19\_25} + X_{19\_38} + X_{19\_48} +$   
 $X_{19\_56} +$   
 $X_{19\_62} + X_{19\_70} + X_{19\_78} + X_{19\_88} + X_{19\_89} + X_{19\_100} + X_{19\_110}$   
 $+ X_{19\_118} +$   
 $X_{19\_126} + X_{19\_135} + X_{19\_143} + X_{19\_145} + X_{19\_158} + X_{19\_168} +$   
 $X_{19\_176} +$   
 $X_{19\_182} + X_{19\_190} + X_{19\_198} + X_{19\_208} + X_{19\_209} + X_{19\_220} +$   
 $X_{19\_230} +$   
 $X_{19\_238} \leq 3;$   
 [\_1693]  $X_{19\_8} + X_{19\_12} + X_{19\_18} + X_{19\_27} + X_{19\_33} + X_{19\_45} +$   
 $X_{19\_50} +$   
 $X_{19\_58} + X_{19\_69} + X_{19\_77} + X_{19\_82} + X_{19\_93} + X_{19\_100} + X_{19\_112}$   
 $+ X_{19\_115} +$

$X_{19\_128} + X_{19\_132} + X_{19\_138} + X_{19\_147} + X_{19\_153} + X_{19\_165} + X_{19\_170} +$   
 $X_{19\_178} + X_{19\_189} + X_{19\_197} + X_{19\_202} + X_{19\_213} + X_{19\_220} + X_{19\_232} +$   
 $X_{19\_235} \leq 3;$   
 [\_1694]  $X_{19\_7} + X_{19\_16} + X_{19\_24} + X_{19\_32} + X_{19\_40} + X_{19\_41} + X_{19\_55} +$   
 $X_{19\_64} + X_{19\_71} + X_{19\_79} + X_{19\_81} + X_{19\_89} + X_{19\_99} + X_{19\_112} + X_{19\_120} +$   
 $X_{19\_127} + X_{19\_136} + X_{19\_144} + X_{19\_152} + X_{19\_160} + X_{19\_161} + X_{19\_175} +$   
 $X_{19\_184} + X_{19\_191} + X_{19\_199} + X_{19\_201} + X_{19\_209} + X_{19\_219} + X_{19\_232} +$   
 $X_{19\_240} \leq 3;$   
 [\_1695]  $X_{19\_3} + X_{19\_13} + X_{19\_17} + X_{19\_29} + X_{19\_39} + X_{19\_46} + X_{19\_53} +$   
 $X_{19\_62} + X_{19\_71} + X_{19\_73} + X_{19\_82} + X_{19\_92} + X_{19\_101} + X_{19\_105} + X_{19\_113} +$   
 $X_{19\_123} + X_{19\_133} + X_{19\_137} + X_{19\_149} + X_{19\_159} + X_{19\_166} + X_{19\_173} +$   
 $X_{19\_182} + X_{19\_191} + X_{19\_193} + X_{19\_202} + X_{19\_212} + X_{19\_221} + X_{19\_225} +$   
 $X_{19\_233} \leq 3;$   
 [\_1696]  $X_{20\_3} + X_{20\_10} + X_{20\_19} + X_{20\_31} + X_{20\_38} + X_{20\_41} + X_{20\_50} +$   
 $X_{20\_59} + X_{20\_66} + X_{20\_75} + X_{20\_85} + X_{20\_94} + X_{20\_104} + X_{20\_106} + X_{20\_116} +$   
 $X_{20\_123} + X_{20\_130} + X_{20\_139} + X_{20\_151} + X_{20\_158} + X_{20\_161} + X_{20\_170} +$   
 $X_{20\_179} + X_{20\_186} + X_{20\_195} + X_{20\_205} + X_{20\_214} + X_{20\_224} + X_{20\_226} +$   
 $X_{20\_236} \leq 3;$   
 [\_1697]  $X_{20\_7} + X_{20\_12} + X_{20\_20} + X_{20\_29} + X_{20\_37} + X_{20\_44} + X_{20\_51} +$   
 $X_{20\_57} + X_{20\_66} + X_{20\_74} + X_{20\_83} + X_{20\_90} + X_{20\_98} + X_{20\_111} + X_{20\_118} +$   
 $X_{20\_127} + X_{20\_132} + X_{20\_140} + X_{20\_149} + X_{20\_157} + X_{20\_164} + X_{20\_171} +$   
 $X_{20\_177} + X_{20\_186} + X_{20\_194} + X_{20\_203} + X_{20\_210} + X_{20\_218} + X_{20\_231} +$   
 $X_{20\_238} \leq 3;$   
 [\_1698]  $X_{20\_4} + X_{20\_9} + X_{20\_23} + X_{20\_32} + X_{20\_33} + X_{20\_43} + X_{20\_51} + X_{20\_60} +$   
 $X_{20\_65} + X_{20\_76} + X_{20\_87} + X_{20\_94} + X_{20\_103} + X_{20\_105} + X_{20\_114} +$   
 $X_{20\_124} + X_{20\_129} + X_{20\_143} + X_{20\_152} + X_{20\_153} + X_{20\_163} + X_{20\_171} +$   
 $X_{20\_180} + X_{20\_185} + X_{20\_196} + X_{20\_207} + X_{20\_214} + X_{20\_223} + X_{20\_225} +$   
 $X_{20\_234} \leq 3;$   
 [\_1699]  $X_{20\_2} + X_{20\_11} + X_{20\_17} + X_{20\_28} + X_{20\_34} + X_{20\_47} + X_{20\_56} +$   
 $X_{20\_64} + X_{20\_69} + X_{20\_76} + X_{20\_83} + X_{20\_91} + X_{20\_97} + X_{20\_107} + X_{20\_116} +$   
 $X_{20\_122} + X_{20\_131} + X_{20\_137} + X_{20\_148} + X_{20\_154} + X_{20\_167} + X_{20\_176} +$

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X_20_184 + X_20_189 + X_20_196 + X_20_203 + X_20_211 + X_20_217 +
X_20_227 +
X_20_236 <= 3;
[_1700] X_20_8 + X_20_11 + X_20_20 + X_20_26 + X_20_36 + X_20_43 +
X_20_52 +
X_20_59 + X_20_72 + X_20_73 + X_20_86 + X_20_95 + X_20_102 + X_20_110
+ X_20_120 +
X_20_128 + X_20_131 + X_20_140 + X_20_146 + X_20_156 + X_20_163 +
X_20_172 +
X_20_179 + X_20_192 + X_20_193 + X_20_206 + X_20_215 + X_20_222 +
X_20_230 +
X_20_240 <= 3;
[_1701] X_20_5 + X_20_14 + X_20_21 + X_20_25 + X_20_40 + X_20_45 +
X_20_52 +
X_20_57 + X_20_68 + X_20_80 + X_20_87 + X_20_96 + X_20_104 + X_20_107
+ X_20_113 +
X_20_125 + X_20_134 + X_20_141 + X_20_145 + X_20_160 + X_20_165 +
X_20_172 +
X_20_177 + X_20_188 + X_20_200 + X_20_207 + X_20_216 + X_20_224 +
X_20_227 +
X_20_233 <= 3;
[_1702] X_20_2 + X_20_13 + X_20_22 + X_20_30 + X_20_35 + X_20_48 +
X_20_55 +
X_20_61 + X_20_72 + X_20_74 + X_20_84 + X_20_96 + X_20_103 + X_20_106
+ X_20_115 +
X_20_122 + X_20_133 + X_20_142 + X_20_150 + X_20_155 + X_20_168 +
X_20_175 +
X_20_181 + X_20_192 + X_20_194 + X_20_204 + X_20_216 + X_20_223 +
X_20_226 +
X_20_235 <= 3;
[_1703] X_20_4 + X_20_14 + X_20_19 + X_20_30 + X_20_34 + X_20_46 +
X_20_49 +
X_20_58 + X_20_67 + X_20_78 + X_20_81 + X_20_95 + X_20_98 + X_20_109
+ X_20_119 +
X_20_124 + X_20_134 + X_20_139 + X_20_150 + X_20_154 + X_20_166 +
X_20_169 +
X_20_178 + X_20_187 + X_20_198 + X_20_201 + X_20_215 + X_20_218 +
X_20_229 +
X_20_239 <= 3;
[_1704] X_20_5 + X_20_10 + X_20_22 + X_20_28 + X_20_39 + X_20_42 +
X_20_49 +
X_20_63 + X_20_70 + X_20_77 + X_20_86 + X_20_90 + X_20_99 + X_20_108
+ X_20_114 +
X_20_125 + X_20_130 + X_20_142 + X_20_148 + X_20_159 + X_20_162 +
X_20_169 +
X_20_183 + X_20_190 + X_20_197 + X_20_206 + X_20_210 + X_20_219 +
X_20_228 +
X_20_234 <= 3;
[_1705] X_20_1 + X_20_9 + X_20_21 + X_20_31 + X_20_35 + X_20_47 +
X_20_53 + X_20_63
+ X_20_67 + X_20_79 + X_20_88 + X_20_93 + X_20_102 + X_20_111 +
X_20_117 +
X_20_121 + X_20_129 + X_20_141 + X_20_151 + X_20_155 + X_20_167 +
X_20_173 +
X_20_183 + X_20_187 + X_20_199 + X_20_208 + X_20_213 + X_20_222 +
X_20_231 +
X_20_237 <= 3;

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[\_1706] X\_20\_6 + X\_20\_16 + X\_20\_18 + X\_20\_26 + X\_20\_37 + X\_20\_42 +  
 X\_20\_54 +  
 X\_20\_60 + X\_20\_68 + X\_20\_75 + X\_20\_84 + X\_20\_91 + X\_20\_101 + X\_20\_109  
 + X\_20\_117 +  
 X\_20\_126 + X\_20\_136 + X\_20\_138 + X\_20\_146 + X\_20\_157 + X\_20\_162 +  
 X\_20\_174 +  
 X\_20\_180 + X\_20\_188 + X\_20\_195 + X\_20\_204 + X\_20\_211 + X\_20\_221 +  
 X\_20\_229 +  
 X\_20\_237 <= 3;  
 [\_1707] X\_20\_1 + X\_20\_15 + X\_20\_24 + X\_20\_27 + X\_20\_36 + X\_20\_44 +  
 X\_20\_54 +  
 X\_20\_61 + X\_20\_65 + X\_20\_80 + X\_20\_85 + X\_20\_92 + X\_20\_97 + X\_20\_108  
 + X\_20\_119 +  
 X\_20\_121 + X\_20\_135 + X\_20\_144 + X\_20\_147 + X\_20\_156 + X\_20\_164 +  
 X\_20\_174 +  
 X\_20\_181 + X\_20\_185 + X\_20\_200 + X\_20\_205 + X\_20\_212 + X\_20\_217 +  
 X\_20\_228 +  
 X\_20\_239 <= 3;  
 [\_1708] X\_20\_6 + X\_20\_15 + X\_20\_23 + X\_20\_25 + X\_20\_38 + X\_20\_48 +  
 X\_20\_56 +  
 X\_20\_62 + X\_20\_70 + X\_20\_78 + X\_20\_88 + X\_20\_89 + X\_20\_100 + X\_20\_110  
 + X\_20\_118 +  
 X\_20\_126 + X\_20\_135 + X\_20\_143 + X\_20\_145 + X\_20\_158 + X\_20\_168 +  
 X\_20\_176 +  
 X\_20\_182 + X\_20\_190 + X\_20\_198 + X\_20\_208 + X\_20\_209 + X\_20\_220 +  
 X\_20\_230 +  
 X\_20\_238 <= 3;  
 [\_1709] X\_20\_8 + X\_20\_12 + X\_20\_18 + X\_20\_27 + X\_20\_33 + X\_20\_45 +  
 X\_20\_50 +  
 X\_20\_58 + X\_20\_69 + X\_20\_77 + X\_20\_82 + X\_20\_93 + X\_20\_100 + X\_20\_112  
 + X\_20\_115 +  
 X\_20\_128 + X\_20\_132 + X\_20\_138 + X\_20\_147 + X\_20\_153 + X\_20\_165 +  
 X\_20\_170 +  
 X\_20\_178 + X\_20\_189 + X\_20\_197 + X\_20\_202 + X\_20\_213 + X\_20\_220 +  
 X\_20\_232 +  
 X\_20\_235 <= 3;  
 [\_1710] X\_20\_7 + X\_20\_16 + X\_20\_24 + X\_20\_32 + X\_20\_40 + X\_20\_41 +  
 X\_20\_55 +  
 X\_20\_64 + X\_20\_71 + X\_20\_79 + X\_20\_81 + X\_20\_89 + X\_20\_99 + X\_20\_112  
 + X\_20\_120 +  
 X\_20\_127 + X\_20\_136 + X\_20\_144 + X\_20\_152 + X\_20\_160 + X\_20\_161 +  
 X\_20\_175 +  
 X\_20\_184 + X\_20\_191 + X\_20\_199 + X\_20\_201 + X\_20\_209 + X\_20\_219 +  
 X\_20\_232 +  
 X\_20\_240 <= 3;  
 [\_1711] X\_20\_3 + X\_20\_13 + X\_20\_17 + X\_20\_29 + X\_20\_39 + X\_20\_46 +  
 X\_20\_53 +  
 X\_20\_62 + X\_20\_71 + X\_20\_73 + X\_20\_82 + X\_20\_92 + X\_20\_101 + X\_20\_105  
 + X\_20\_113 +  
 X\_20\_123 + X\_20\_133 + X\_20\_137 + X\_20\_149 + X\_20\_159 + X\_20\_166 +  
 X\_20\_173 +  
 X\_20\_182 + X\_20\_191 + X\_20\_193 + X\_20\_202 + X\_20\_212 + X\_20\_221 +  
 X\_20\_225 +  
 X\_20\_233 <= 3;  
 [\_1712] X\_21\_3 + X\_21\_10 + X\_21\_19 + X\_21\_31 + X\_21\_38 + X\_21\_41 +  
 X\_21\_50 +

$X_{21\_59} + X_{21\_66} + X_{21\_75} + X_{21\_85} + X_{21\_94} + X_{21\_104} + X_{21\_106}$   
 $+ X_{21\_116} +$   
 $X_{21\_123} + X_{21\_130} + X_{21\_139} + X_{21\_151} + X_{21\_158} + X_{21\_161} +$   
 $X_{21\_170} +$   
 $X_{21\_179} + X_{21\_186} + X_{21\_195} + X_{21\_205} + X_{21\_214} + X_{21\_224} +$   
 $X_{21\_226} +$   
 $X_{21\_236} \leq 3;$   
 $[_{1713}] X_{21\_7} + X_{21\_12} + X_{21\_20} + X_{21\_29} + X_{21\_37} + X_{21\_44} +$   
 $X_{21\_51} +$   
 $X_{21\_57} + X_{21\_66} + X_{21\_74} + X_{21\_83} + X_{21\_90} + X_{21\_98} + X_{21\_111}$   
 $+ X_{21\_118} +$   
 $X_{21\_127} + X_{21\_132} + X_{21\_140} + X_{21\_149} + X_{21\_157} + X_{21\_164} +$   
 $X_{21\_171} +$   
 $X_{21\_177} + X_{21\_186} + X_{21\_194} + X_{21\_203} + X_{21\_210} + X_{21\_218} +$   
 $X_{21\_231} +$   
 $X_{21\_238} \leq 3;$   
 $[_{1714}] X_{21\_4} + X_{21\_9} + X_{21\_23} + X_{21\_32} + X_{21\_33} + X_{21\_43} +$   
 $X_{21\_51} + X_{21\_60}$   
 $+ X_{21\_65} + X_{21\_76} + X_{21\_87} + X_{21\_94} + X_{21\_103} + X_{21\_105} +$   
 $X_{21\_114} +$   
 $X_{21\_124} + X_{21\_129} + X_{21\_143} + X_{21\_152} + X_{21\_153} + X_{21\_163} +$   
 $X_{21\_171} +$   
 $X_{21\_180} + X_{21\_185} + X_{21\_196} + X_{21\_207} + X_{21\_214} + X_{21\_223} +$   
 $X_{21\_225} +$   
 $X_{21\_234} \leq 3;$   
 $[_{1715}] X_{21\_2} + X_{21\_11} + X_{21\_17} + X_{21\_28} + X_{21\_34} + X_{21\_47} +$   
 $X_{21\_56} +$   
 $X_{21\_64} + X_{21\_69} + X_{21\_76} + X_{21\_83} + X_{21\_91} + X_{21\_97} + X_{21\_107}$   
 $+ X_{21\_116} +$   
 $X_{21\_122} + X_{21\_131} + X_{21\_137} + X_{21\_148} + X_{21\_154} + X_{21\_167} +$   
 $X_{21\_176} +$   
 $X_{21\_184} + X_{21\_189} + X_{21\_196} + X_{21\_203} + X_{21\_211} + X_{21\_217} +$   
 $X_{21\_227} +$   
 $X_{21\_236} \leq 3;$   
 $[_{1716}] X_{21\_8} + X_{21\_11} + X_{21\_20} + X_{21\_26} + X_{21\_36} + X_{21\_43} +$   
 $X_{21\_52} +$   
 $X_{21\_59} + X_{21\_72} + X_{21\_73} + X_{21\_86} + X_{21\_95} + X_{21\_102} + X_{21\_110}$   
 $+ X_{21\_120} +$   
 $X_{21\_128} + X_{21\_131} + X_{21\_140} + X_{21\_146} + X_{21\_156} + X_{21\_163} +$   
 $X_{21\_172} +$   
 $X_{21\_179} + X_{21\_192} + X_{21\_193} + X_{21\_206} + X_{21\_215} + X_{21\_222} +$   
 $X_{21\_230} +$   
 $X_{21\_240} \leq 3;$   
 $[_{1717}] X_{21\_5} + X_{21\_14} + X_{21\_21} + X_{21\_25} + X_{21\_40} + X_{21\_45} +$   
 $X_{21\_52} +$   
 $X_{21\_57} + X_{21\_68} + X_{21\_80} + X_{21\_87} + X_{21\_96} + X_{21\_104} + X_{21\_107}$   
 $+ X_{21\_113} +$   
 $X_{21\_125} + X_{21\_134} + X_{21\_141} + X_{21\_145} + X_{21\_160} + X_{21\_165} +$   
 $X_{21\_172} +$   
 $X_{21\_177} + X_{21\_188} + X_{21\_200} + X_{21\_207} + X_{21\_216} + X_{21\_224} +$   
 $X_{21\_227} +$   
 $X_{21\_233} \leq 3;$   
 $[_{1718}] X_{21\_2} + X_{21\_13} + X_{21\_22} + X_{21\_30} + X_{21\_35} + X_{21\_48} +$   
 $X_{21\_55} +$   
 $X_{21\_61} + X_{21\_72} + X_{21\_74} + X_{21\_84} + X_{21\_96} + X_{21\_103} + X_{21\_106}$   
 $+ X_{21\_115} +$

$X_{21\_122} + X_{21\_133} + X_{21\_142} + X_{21\_150} + X_{21\_155} + X_{21\_168} + X_{21\_175} +$   
 $X_{21\_181} + X_{21\_192} + X_{21\_194} + X_{21\_204} + X_{21\_216} + X_{21\_223} + X_{21\_226} +$   
 $X_{21\_235} \leq 3;$   
 [\_1719]  $X_{21\_4} + X_{21\_14} + X_{21\_19} + X_{21\_30} + X_{21\_34} + X_{21\_46} + X_{21\_49} +$   
 $X_{21\_58} + X_{21\_67} + X_{21\_78} + X_{21\_81} + X_{21\_95} + X_{21\_98} + X_{21\_109} + X_{21\_119} +$   
 $X_{21\_124} + X_{21\_134} + X_{21\_139} + X_{21\_150} + X_{21\_154} + X_{21\_166} + X_{21\_169} +$   
 $X_{21\_178} + X_{21\_187} + X_{21\_198} + X_{21\_201} + X_{21\_215} + X_{21\_218} + X_{21\_229} +$   
 $X_{21\_239} \leq 3;$   
 [\_1720]  $X_{21\_5} + X_{21\_10} + X_{21\_22} + X_{21\_28} + X_{21\_39} + X_{21\_42} + X_{21\_49} +$   
 $X_{21\_63} + X_{21\_70} + X_{21\_77} + X_{21\_86} + X_{21\_90} + X_{21\_99} + X_{21\_108} + X_{21\_114} +$   
 $X_{21\_125} + X_{21\_130} + X_{21\_142} + X_{21\_148} + X_{21\_159} + X_{21\_162} + X_{21\_169} +$   
 $X_{21\_183} + X_{21\_190} + X_{21\_197} + X_{21\_206} + X_{21\_210} + X_{21\_219} + X_{21\_228} +$   
 $X_{21\_234} \leq 3;$   
 [\_1721]  $X_{21\_1} + X_{21\_9} + X_{21\_21} + X_{21\_31} + X_{21\_35} + X_{21\_47} + X_{21\_53} + X_{21\_63} +$   
 $X_{21\_67} + X_{21\_79} + X_{21\_88} + X_{21\_93} + X_{21\_102} + X_{21\_111} + X_{21\_117} +$   
 $X_{21\_121} + X_{21\_129} + X_{21\_141} + X_{21\_151} + X_{21\_155} + X_{21\_167} + X_{21\_173} +$   
 $X_{21\_183} + X_{21\_187} + X_{21\_199} + X_{21\_208} + X_{21\_213} + X_{21\_222} + X_{21\_231} +$   
 $X_{21\_237} \leq 3;$   
 [\_1722]  $X_{21\_6} + X_{21\_16} + X_{21\_18} + X_{21\_26} + X_{21\_37} + X_{21\_42} + X_{21\_54} +$   
 $X_{21\_60} + X_{21\_68} + X_{21\_75} + X_{21\_84} + X_{21\_91} + X_{21\_101} + X_{21\_109} + X_{21\_117} +$   
 $X_{21\_126} + X_{21\_136} + X_{21\_138} + X_{21\_146} + X_{21\_157} + X_{21\_162} + X_{21\_174} +$   
 $X_{21\_180} + X_{21\_188} + X_{21\_195} + X_{21\_204} + X_{21\_211} + X_{21\_221} + X_{21\_229} +$   
 $X_{21\_237} \leq 3;$   
 [\_1723]  $X_{21\_1} + X_{21\_15} + X_{21\_24} + X_{21\_27} + X_{21\_36} + X_{21\_44} + X_{21\_54} +$   
 $X_{21\_61} + X_{21\_65} + X_{21\_80} + X_{21\_85} + X_{21\_92} + X_{21\_97} + X_{21\_108} + X_{21\_119} +$   
 $X_{21\_121} + X_{21\_135} + X_{21\_144} + X_{21\_147} + X_{21\_156} + X_{21\_164} + X_{21\_174} +$   
 $X_{21\_181} + X_{21\_185} + X_{21\_200} + X_{21\_205} + X_{21\_212} + X_{21\_217} + X_{21\_228} +$   
 $X_{21\_239} \leq 3;$   
 [\_1724]  $X_{21\_6} + X_{21\_15} + X_{21\_23} + X_{21\_25} + X_{21\_38} + X_{21\_48} + X_{21\_56} +$   
 $X_{21\_62} + X_{21\_70} + X_{21\_78} + X_{21\_88} + X_{21\_89} + X_{21\_100} + X_{21\_110} + X_{21\_118} +$   
 $X_{21\_126} + X_{21\_135} + X_{21\_143} + X_{21\_145} + X_{21\_158} + X_{21\_168} + X_{21\_176} +$

$X_{21\_182} + X_{21\_190} + X_{21\_198} + X_{21\_208} + X_{21\_209} + X_{21\_220} +$   
 $X_{21\_230} +$   
 $X_{21\_238} \leq 3;$   
 [\_1725]  $X_{21\_8} + X_{21\_12} + X_{21\_18} + X_{21\_27} + X_{21\_33} + X_{21\_45} +$   
 $X_{21\_50} +$   
 $X_{21\_58} + X_{21\_69} + X_{21\_77} + X_{21\_82} + X_{21\_93} + X_{21\_100} + X_{21\_112}$   
 $+ X_{21\_115} +$   
 $X_{21\_128} + X_{21\_132} + X_{21\_138} + X_{21\_147} + X_{21\_153} + X_{21\_165} +$   
 $X_{21\_170} +$   
 $X_{21\_178} + X_{21\_189} + X_{21\_197} + X_{21\_202} + X_{21\_213} + X_{21\_220} +$   
 $X_{21\_232} +$   
 $X_{21\_235} \leq 3;$   
 [\_1726]  $X_{21\_7} + X_{21\_16} + X_{21\_24} + X_{21\_32} + X_{21\_40} + X_{21\_41} +$   
 $X_{21\_55} +$   
 $X_{21\_64} + X_{21\_71} + X_{21\_79} + X_{21\_81} + X_{21\_89} + X_{21\_99} + X_{21\_112}$   
 $+ X_{21\_120} +$   
 $X_{21\_127} + X_{21\_136} + X_{21\_144} + X_{21\_152} + X_{21\_160} + X_{21\_161} +$   
 $X_{21\_175} +$   
 $X_{21\_184} + X_{21\_191} + X_{21\_199} + X_{21\_201} + X_{21\_209} + X_{21\_219} +$   
 $X_{21\_232} +$   
 $X_{21\_240} \leq 3;$   
 [\_1727]  $X_{21\_3} + X_{21\_13} + X_{21\_17} + X_{21\_29} + X_{21\_39} + X_{21\_46} +$   
 $X_{21\_53} +$   
 $X_{21\_62} + X_{21\_71} + X_{21\_73} + X_{21\_82} + X_{21\_92} + X_{21\_101} + X_{21\_105}$   
 $+ X_{21\_113} +$   
 $X_{21\_123} + X_{21\_133} + X_{21\_137} + X_{21\_149} + X_{21\_159} + X_{21\_166} +$   
 $X_{21\_173} +$   
 $X_{21\_182} + X_{21\_191} + X_{21\_193} + X_{21\_202} + X_{21\_212} + X_{21\_221} +$   
 $X_{21\_225} +$   
 $X_{21\_233} \leq 3;$   
 [\_1728]  $X_{22\_3} + X_{22\_10} + X_{22\_19} + X_{22\_31} + X_{22\_38} + X_{22\_41} +$   
 $X_{22\_50} +$   
 $X_{22\_59} + X_{22\_66} + X_{22\_75} + X_{22\_85} + X_{22\_94} + X_{22\_104} + X_{22\_106}$   
 $+ X_{22\_116} +$   
 $X_{22\_123} + X_{22\_130} + X_{22\_139} + X_{22\_151} + X_{22\_158} + X_{22\_161} +$   
 $X_{22\_170} +$   
 $X_{22\_179} + X_{22\_186} + X_{22\_195} + X_{22\_205} + X_{22\_214} + X_{22\_224} +$   
 $X_{22\_226} +$   
 $X_{22\_236} \leq 3;$   
 [\_1729]  $X_{22\_7} + X_{22\_12} + X_{22\_20} + X_{22\_29} + X_{22\_37} + X_{22\_44} +$   
 $X_{22\_51} +$   
 $X_{22\_57} + X_{22\_66} + X_{22\_74} + X_{22\_83} + X_{22\_90} + X_{22\_98} + X_{22\_111}$   
 $+ X_{22\_118} +$   
 $X_{22\_127} + X_{22\_132} + X_{22\_140} + X_{22\_149} + X_{22\_157} + X_{22\_164} +$   
 $X_{22\_171} +$   
 $X_{22\_177} + X_{22\_186} + X_{22\_194} + X_{22\_203} + X_{22\_210} + X_{22\_218} +$   
 $X_{22\_231} +$   
 $X_{22\_238} \leq 3;$   
 [\_1730]  $X_{22\_4} + X_{22\_9} + X_{22\_23} + X_{22\_32} + X_{22\_33} + X_{22\_43} +$   
 $X_{22\_51} + X_{22\_60}$   
 $+ X_{22\_65} + X_{22\_76} + X_{22\_87} + X_{22\_94} + X_{22\_103} + X_{22\_105} +$   
 $X_{22\_114} +$   
 $X_{22\_124} + X_{22\_129} + X_{22\_143} + X_{22\_152} + X_{22\_153} + X_{22\_163} +$   
 $X_{22\_171} +$   
 $X_{22\_180} + X_{22\_185} + X_{22\_196} + X_{22\_207} + X_{22\_214} + X_{22\_223} +$   
 $X_{22\_225} +$   
 $X_{22\_234} \leq 3;$



[\_1731] X\_22\_2 + X\_22\_11 + X\_22\_17 + X\_22\_28 + X\_22\_34 + X\_22\_47 +  
 X\_22\_56 +  
 X\_22\_64 + X\_22\_69 + X\_22\_76 + X\_22\_83 + X\_22\_91 + X\_22\_97 + X\_22\_107  
 + X\_22\_116 +  
 X\_22\_122 + X\_22\_131 + X\_22\_137 + X\_22\_148 + X\_22\_154 + X\_22\_167 +  
 X\_22\_176 +  
 X\_22\_184 + X\_22\_189 + X\_22\_196 + X\_22\_203 + X\_22\_211 + X\_22\_217 +  
 X\_22\_227 +  
 X\_22\_236 <= 3;  
 [\_1732] X\_22\_8 + X\_22\_11 + X\_22\_20 + X\_22\_26 + X\_22\_36 + X\_22\_43 +  
 X\_22\_52 +  
 X\_22\_59 + X\_22\_72 + X\_22\_73 + X\_22\_86 + X\_22\_95 + X\_22\_102 + X\_22\_110  
 + X\_22\_120 +  
 X\_22\_128 + X\_22\_131 + X\_22\_140 + X\_22\_146 + X\_22\_156 + X\_22\_163 +  
 X\_22\_172 +  
 X\_22\_179 + X\_22\_192 + X\_22\_193 + X\_22\_206 + X\_22\_215 + X\_22\_222 +  
 X\_22\_230 +  
 X\_22\_240 <= 3;  
 [\_1733] X\_22\_5 + X\_22\_14 + X\_22\_21 + X\_22\_25 + X\_22\_40 + X\_22\_45 +  
 X\_22\_52 +  
 X\_22\_57 + X\_22\_68 + X\_22\_80 + X\_22\_87 + X\_22\_96 + X\_22\_104 + X\_22\_107  
 + X\_22\_113 +  
 X\_22\_125 + X\_22\_134 + X\_22\_141 + X\_22\_145 + X\_22\_160 + X\_22\_165 +  
 X\_22\_172 +  
 X\_22\_177 + X\_22\_188 + X\_22\_200 + X\_22\_207 + X\_22\_216 + X\_22\_224 +  
 X\_22\_227 +  
 X\_22\_233 <= 3;  
 [\_1734] X\_22\_2 + X\_22\_13 + X\_22\_22 + X\_22\_30 + X\_22\_35 + X\_22\_48 +  
 X\_22\_55 +  
 X\_22\_61 + X\_22\_72 + X\_22\_74 + X\_22\_84 + X\_22\_96 + X\_22\_103 + X\_22\_106  
 + X\_22\_115 +  
 X\_22\_122 + X\_22\_133 + X\_22\_142 + X\_22\_150 + X\_22\_155 + X\_22\_168 +  
 X\_22\_175 +  
 X\_22\_181 + X\_22\_192 + X\_22\_194 + X\_22\_204 + X\_22\_216 + X\_22\_223 +  
 X\_22\_226 +  
 X\_22\_235 <= 3;  
 [\_1735] X\_22\_4 + X\_22\_14 + X\_22\_19 + X\_22\_30 + X\_22\_34 + X\_22\_46 +  
 X\_22\_49 +  
 X\_22\_58 + X\_22\_67 + X\_22\_78 + X\_22\_81 + X\_22\_95 + X\_22\_98 + X\_22\_109  
 + X\_22\_119 +  
 X\_22\_124 + X\_22\_134 + X\_22\_139 + X\_22\_150 + X\_22\_154 + X\_22\_166 +  
 X\_22\_169 +  
 X\_22\_178 + X\_22\_187 + X\_22\_198 + X\_22\_201 + X\_22\_215 + X\_22\_218 +  
 X\_22\_229 +  
 X\_22\_239 <= 3;  
 [\_1736] X\_22\_5 + X\_22\_10 + X\_22\_22 + X\_22\_28 + X\_22\_39 + X\_22\_42 +  
 X\_22\_49 +  
 X\_22\_63 + X\_22\_70 + X\_22\_77 + X\_22\_86 + X\_22\_90 + X\_22\_99 + X\_22\_108  
 + X\_22\_114 +  
 X\_22\_125 + X\_22\_130 + X\_22\_142 + X\_22\_148 + X\_22\_159 + X\_22\_162 +  
 X\_22\_169 +  
 X\_22\_183 + X\_22\_190 + X\_22\_197 + X\_22\_206 + X\_22\_210 + X\_22\_219 +  
 X\_22\_228 +  
 X\_22\_234 <= 3;  
 [\_1737] X\_22\_1 + X\_22\_9 + X\_22\_21 + X\_22\_31 + X\_22\_35 + X\_22\_47 +  
 X\_22\_53 + X\_22\_63

+ X\_22\_67 + X\_22\_79 + X\_22\_88 + X\_22\_93 + X\_22\_102 + X\_22\_111 +  
 X\_22\_117 +  
 X\_22\_121 + X\_22\_129 + X\_22\_141 + X\_22\_151 + X\_22\_155 + X\_22\_167 +  
 X\_22\_173 +  
 X\_22\_183 + X\_22\_187 + X\_22\_199 + X\_22\_208 + X\_22\_213 + X\_22\_222 +  
 X\_22\_231 +  
 X\_22\_237 <= 3;  
 [\_1738] X\_22\_6 + X\_22\_16 + X\_22\_18 + X\_22\_26 + X\_22\_37 + X\_22\_42 +  
 X\_22\_54 +  
 X\_22\_60 + X\_22\_68 + X\_22\_75 + X\_22\_84 + X\_22\_91 + X\_22\_101 + X\_22\_109  
 + X\_22\_117 +  
 X\_22\_126 + X\_22\_136 + X\_22\_138 + X\_22\_146 + X\_22\_157 + X\_22\_162 +  
 X\_22\_174 +  
 X\_22\_180 + X\_22\_188 + X\_22\_195 + X\_22\_204 + X\_22\_211 + X\_22\_221 +  
 X\_22\_229 +  
 X\_22\_237 <= 3;  
 [\_1739] X\_22\_1 + X\_22\_15 + X\_22\_24 + X\_22\_27 + X\_22\_36 + X\_22\_44 +  
 X\_22\_54 +  
 X\_22\_61 + X\_22\_65 + X\_22\_80 + X\_22\_85 + X\_22\_92 + X\_22\_97 + X\_22\_108  
 + X\_22\_119 +  
 X\_22\_121 + X\_22\_135 + X\_22\_144 + X\_22\_147 + X\_22\_156 + X\_22\_164 +  
 X\_22\_174 +  
 X\_22\_181 + X\_22\_185 + X\_22\_200 + X\_22\_205 + X\_22\_212 + X\_22\_217 +  
 X\_22\_228 +  
 X\_22\_239 <= 3;  
 [\_1740] X\_22\_6 + X\_22\_15 + X\_22\_23 + X\_22\_25 + X\_22\_38 + X\_22\_48 +  
 X\_22\_56 +  
 X\_22\_62 + X\_22\_70 + X\_22\_78 + X\_22\_88 + X\_22\_89 + X\_22\_100 + X\_22\_110  
 + X\_22\_118 +  
 X\_22\_126 + X\_22\_135 + X\_22\_143 + X\_22\_145 + X\_22\_158 + X\_22\_168 +  
 X\_22\_176 +  
 X\_22\_182 + X\_22\_190 + X\_22\_198 + X\_22\_208 + X\_22\_209 + X\_22\_220 +  
 X\_22\_230 +  
 X\_22\_238 <= 3;  
 [\_1741] X\_22\_8 + X\_22\_12 + X\_22\_18 + X\_22\_27 + X\_22\_33 + X\_22\_45 +  
 X\_22\_50 +  
 X\_22\_58 + X\_22\_69 + X\_22\_77 + X\_22\_82 + X\_22\_93 + X\_22\_100 + X\_22\_112  
 + X\_22\_115 +  
 X\_22\_128 + X\_22\_132 + X\_22\_138 + X\_22\_147 + X\_22\_153 + X\_22\_165 +  
 X\_22\_170 +  
 X\_22\_178 + X\_22\_189 + X\_22\_197 + X\_22\_202 + X\_22\_213 + X\_22\_220 +  
 X\_22\_232 +  
 X\_22\_235 <= 3;  
 [\_1742] X\_22\_7 + X\_22\_16 + X\_22\_24 + X\_22\_32 + X\_22\_40 + X\_22\_41 +  
 X\_22\_55 +  
 X\_22\_64 + X\_22\_71 + X\_22\_79 + X\_22\_81 + X\_22\_89 + X\_22\_99 + X\_22\_112  
 + X\_22\_120 +  
 X\_22\_127 + X\_22\_136 + X\_22\_144 + X\_22\_152 + X\_22\_160 + X\_22\_161 +  
 X\_22\_175 +  
 X\_22\_184 + X\_22\_191 + X\_22\_199 + X\_22\_201 + X\_22\_209 + X\_22\_219 +  
 X\_22\_232 +  
 X\_22\_240 <= 3;  
 [\_1743] X\_22\_3 + X\_22\_13 + X\_22\_17 + X\_22\_29 + X\_22\_39 + X\_22\_46 +  
 X\_22\_53 +  
 X\_22\_62 + X\_22\_71 + X\_22\_73 + X\_22\_82 + X\_22\_92 + X\_22\_101 + X\_22\_105  
 + X\_22\_113 +

$X_{22\_123} + X_{22\_133} + X_{22\_137} + X_{22\_149} + X_{22\_159} + X_{22\_166} + X_{22\_173} +$   
 $X_{22\_182} + X_{22\_191} + X_{22\_193} + X_{22\_202} + X_{22\_212} + X_{22\_221} + X_{22\_225} +$   
 $X_{22\_233} \leq 3;$   
 [\_1744]  $X_{23\_3} + X_{23\_10} + X_{23\_19} + X_{23\_31} + X_{23\_38} + X_{23\_41} + X_{23\_50} +$   
 $X_{23\_59} + X_{23\_66} + X_{23\_75} + X_{23\_85} + X_{23\_94} + X_{23\_104} + X_{23\_106} + X_{23\_116} +$   
 $X_{23\_123} + X_{23\_130} + X_{23\_139} + X_{23\_151} + X_{23\_158} + X_{23\_161} + X_{23\_170} +$   
 $X_{23\_179} + X_{23\_186} + X_{23\_195} + X_{23\_205} + X_{23\_214} + X_{23\_224} + X_{23\_226} +$   
 $X_{23\_236} \leq 3;$   
 [\_1745]  $X_{23\_7} + X_{23\_12} + X_{23\_20} + X_{23\_29} + X_{23\_37} + X_{23\_44} + X_{23\_51} +$   
 $X_{23\_57} + X_{23\_66} + X_{23\_74} + X_{23\_83} + X_{23\_90} + X_{23\_98} + X_{23\_111} + X_{23\_118} +$   
 $X_{23\_127} + X_{23\_132} + X_{23\_140} + X_{23\_149} + X_{23\_157} + X_{23\_164} + X_{23\_171} +$   
 $X_{23\_177} + X_{23\_186} + X_{23\_194} + X_{23\_203} + X_{23\_210} + X_{23\_218} + X_{23\_231} +$   
 $X_{23\_238} \leq 3;$   
 [\_1746]  $X_{23\_4} + X_{23\_9} + X_{23\_23} + X_{23\_32} + X_{23\_33} + X_{23\_43} + X_{23\_51} + X_{23\_60} +$   
 $X_{23\_65} + X_{23\_76} + X_{23\_87} + X_{23\_94} + X_{23\_103} + X_{23\_105} + X_{23\_114} +$   
 $X_{23\_124} + X_{23\_129} + X_{23\_143} + X_{23\_152} + X_{23\_153} + X_{23\_163} + X_{23\_171} +$   
 $X_{23\_180} + X_{23\_185} + X_{23\_196} + X_{23\_207} + X_{23\_214} + X_{23\_223} + X_{23\_225} +$   
 $X_{23\_234} \leq 3;$   
 [\_1747]  $X_{23\_2} + X_{23\_11} + X_{23\_17} + X_{23\_28} + X_{23\_34} + X_{23\_47} + X_{23\_56} +$   
 $X_{23\_64} + X_{23\_69} + X_{23\_76} + X_{23\_83} + X_{23\_91} + X_{23\_97} + X_{23\_107} + X_{23\_116} +$   
 $X_{23\_122} + X_{23\_131} + X_{23\_137} + X_{23\_148} + X_{23\_154} + X_{23\_167} + X_{23\_176} +$   
 $X_{23\_184} + X_{23\_189} + X_{23\_196} + X_{23\_203} + X_{23\_211} + X_{23\_217} + X_{23\_227} +$   
 $X_{23\_236} \leq 3;$   
 [\_1748]  $X_{23\_8} + X_{23\_11} + X_{23\_20} + X_{23\_26} + X_{23\_36} + X_{23\_43} + X_{23\_52} +$   
 $X_{23\_59} + X_{23\_72} + X_{23\_73} + X_{23\_86} + X_{23\_95} + X_{23\_102} + X_{23\_110} + X_{23\_120} +$   
 $X_{23\_128} + X_{23\_131} + X_{23\_140} + X_{23\_146} + X_{23\_156} + X_{23\_163} + X_{23\_172} +$   
 $X_{23\_179} + X_{23\_192} + X_{23\_193} + X_{23\_206} + X_{23\_215} + X_{23\_222} + X_{23\_230} +$   
 $X_{23\_240} \leq 3;$   
 [\_1749]  $X_{23\_5} + X_{23\_14} + X_{23\_21} + X_{23\_25} + X_{23\_40} + X_{23\_45} + X_{23\_52} +$   
 $X_{23\_57} + X_{23\_68} + X_{23\_80} + X_{23\_87} + X_{23\_96} + X_{23\_104} + X_{23\_107} + X_{23\_113} +$   
 $X_{23\_125} + X_{23\_134} + X_{23\_141} + X_{23\_145} + X_{23\_160} + X_{23\_165} + X_{23\_172} +$

$X_{23\_177} + X_{23\_188} + X_{23\_200} + X_{23\_207} + X_{23\_216} + X_{23\_224} + X_{23\_227} +$   
 $X_{23\_233} \leq 3;$   
 [\_1750]  $X_{23\_2} + X_{23\_13} + X_{23\_22} + X_{23\_30} + X_{23\_35} + X_{23\_48} + X_{23\_55} +$   
 $X_{23\_61} + X_{23\_72} + X_{23\_74} + X_{23\_84} + X_{23\_96} + X_{23\_103} + X_{23\_106} + X_{23\_115} +$   
 $X_{23\_122} + X_{23\_133} + X_{23\_142} + X_{23\_150} + X_{23\_155} + X_{23\_168} + X_{23\_175} +$   
 $X_{23\_181} + X_{23\_192} + X_{23\_194} + X_{23\_204} + X_{23\_216} + X_{23\_223} + X_{23\_226} +$   
 $X_{23\_235} \leq 3;$   
 [\_1751]  $X_{23\_4} + X_{23\_14} + X_{23\_19} + X_{23\_30} + X_{23\_34} + X_{23\_46} + X_{23\_49} +$   
 $X_{23\_58} + X_{23\_67} + X_{23\_78} + X_{23\_81} + X_{23\_95} + X_{23\_98} + X_{23\_109} + X_{23\_119} +$   
 $X_{23\_124} + X_{23\_134} + X_{23\_139} + X_{23\_150} + X_{23\_154} + X_{23\_166} + X_{23\_169} +$   
 $X_{23\_178} + X_{23\_187} + X_{23\_198} + X_{23\_201} + X_{23\_215} + X_{23\_218} + X_{23\_229} +$   
 $X_{23\_239} \leq 3;$   
 [\_1752]  $X_{23\_5} + X_{23\_10} + X_{23\_22} + X_{23\_28} + X_{23\_39} + X_{23\_42} + X_{23\_49} +$   
 $X_{23\_63} + X_{23\_70} + X_{23\_77} + X_{23\_86} + X_{23\_90} + X_{23\_99} + X_{23\_108} + X_{23\_114} +$   
 $X_{23\_125} + X_{23\_130} + X_{23\_142} + X_{23\_148} + X_{23\_159} + X_{23\_162} + X_{23\_169} +$   
 $X_{23\_183} + X_{23\_190} + X_{23\_197} + X_{23\_206} + X_{23\_210} + X_{23\_219} + X_{23\_228} +$   
 $X_{23\_234} \leq 3;$   
 [\_1753]  $X_{23\_1} + X_{23\_9} + X_{23\_21} + X_{23\_31} + X_{23\_35} + X_{23\_47} + X_{23\_53} + X_{23\_63} +$   
 $X_{23\_67} + X_{23\_79} + X_{23\_88} + X_{23\_93} + X_{23\_102} + X_{23\_111} + X_{23\_117} +$   
 $X_{23\_121} + X_{23\_129} + X_{23\_141} + X_{23\_151} + X_{23\_155} + X_{23\_167} + X_{23\_173} +$   
 $X_{23\_183} + X_{23\_187} + X_{23\_199} + X_{23\_208} + X_{23\_213} + X_{23\_222} + X_{23\_231} +$   
 $X_{23\_237} \leq 3;$   
 [\_1754]  $X_{23\_6} + X_{23\_16} + X_{23\_18} + X_{23\_26} + X_{23\_37} + X_{23\_42} + X_{23\_54} +$   
 $X_{23\_60} + X_{23\_68} + X_{23\_75} + X_{23\_84} + X_{23\_91} + X_{23\_101} + X_{23\_109} + X_{23\_117} +$   
 $X_{23\_126} + X_{23\_136} + X_{23\_138} + X_{23\_146} + X_{23\_157} + X_{23\_162} + X_{23\_174} +$   
 $X_{23\_180} + X_{23\_188} + X_{23\_195} + X_{23\_204} + X_{23\_211} + X_{23\_221} + X_{23\_229} +$   
 $X_{23\_237} \leq 3;$   
 [\_1755]  $X_{23\_1} + X_{23\_15} + X_{23\_24} + X_{23\_27} + X_{23\_36} + X_{23\_44} + X_{23\_54} +$   
 $X_{23\_61} + X_{23\_65} + X_{23\_80} + X_{23\_85} + X_{23\_92} + X_{23\_97} + X_{23\_108} + X_{23\_119} +$   
 $X_{23\_121} + X_{23\_135} + X_{23\_144} + X_{23\_147} + X_{23\_156} + X_{23\_164} + X_{23\_174} +$   
 $X_{23\_181} + X_{23\_185} + X_{23\_200} + X_{23\_205} + X_{23\_212} + X_{23\_217} + X_{23\_228} +$   
 $X_{23\_239} \leq 3;$

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[_1756] X_23_6 + X_23_15 + X_23_23 + X_23_25 + X_23_38 + X_23_48 +
X_23_56 +
  X_23_62 + X_23_70 + X_23_78 + X_23_88 + X_23_89 + X_23_100 + X_23_110
+ X_23_118 +
  X_23_126 + X_23_135 + X_23_143 + X_23_145 + X_23_158 + X_23_168 +
X_23_176 +
  X_23_182 + X_23_190 + X_23_198 + X_23_208 + X_23_209 + X_23_220 +
X_23_230 +
  X_23_238 <= 3;
[_1757] X_23_8 + X_23_12 + X_23_18 + X_23_27 + X_23_33 + X_23_45 +
X_23_50 +
  X_23_58 + X_23_69 + X_23_77 + X_23_82 + X_23_93 + X_23_100 + X_23_112
+ X_23_115 +
  X_23_128 + X_23_132 + X_23_138 + X_23_147 + X_23_153 + X_23_165 +
X_23_170 +
  X_23_178 + X_23_189 + X_23_197 + X_23_202 + X_23_213 + X_23_220 +
X_23_232 +
  X_23_235 <= 3;
[_1758] X_23_7 + X_23_16 + X_23_24 + X_23_32 + X_23_40 + X_23_41 +
X_23_55 +
  X_23_64 + X_23_71 + X_23_79 + X_23_81 + X_23_89 + X_23_99 + X_23_112
+ X_23_120 +
  X_23_127 + X_23_136 + X_23_144 + X_23_152 + X_23_160 + X_23_161 +
X_23_175 +
  X_23_184 + X_23_191 + X_23_199 + X_23_201 + X_23_209 + X_23_219 +
X_23_232 +
  X_23_240 <= 3;
[_1759] X_23_3 + X_23_13 + X_23_17 + X_23_29 + X_23_39 + X_23_46 +
X_23_53 +
  X_23_62 + X_23_71 + X_23_73 + X_23_82 + X_23_92 + X_23_101 + X_23_105
+ X_23_113 +
  X_23_123 + X_23_133 + X_23_137 + X_23_149 + X_23_159 + X_23_166 +
X_23_173 +
  X_23_182 + X_23_191 + X_23_193 + X_23_202 + X_23_212 + X_23_221 +
X_23_225 +
  X_23_233 <= 3;
[_1760] 7000 * X_1_1 + 7000 * X_1_2 + 7000 * X_1_3 + 7000 * X_1_4 +
4300 * X_1_5 +
  4300 * X_1_6 + 4300 * X_1_7 + 7000 * X_1_8 + 7000 * X_1_9 + 4300 *
X_1_10 + 7000 *
  X_1_11 + 7000 * X_1_12 + 7000 * X_1_13 + 7000 * X_1_14 + 7000 *
X_1_15 + 4300 *
  X_1_16 + 7000 * X_1_17 + 7000 * X_1_18 + 7000 * X_1_19 + 7000 *
X_1_20 + 7000 *
  X_1_21 + 4300 * X_1_22 + 4300 * X_1_23 + 4300 * X_1_24 + 7000 *
X_1_25 + 4300 *
  X_1_26 + 7000 * X_1_27 + 7000 * X_1_28 + 7000 * X_1_29 + 7000 *
X_1_30 + 4300 *
  X_1_31 + 7000 * X_1_32 + 7000 * X_1_33 + 7000 * X_1_34 + 7000 *
X_1_35 + 7000 *
  X_1_36 + 7000 * X_1_37 + 4300 * X_1_38 + 4300 * X_1_39 + 4300 *
X_1_40 + 4300 *
  X_1_41 + 4300 * X_1_42 + 7000 * X_1_43 + 7000 * X_1_44 + 7000 *
X_1_45 + 7000 *
  X_1_46 + 7000 * X_1_47 + 7000 * X_1_48 + 7000 * X_1_49 + 7000 *
X_1_50 + 7000 *

```

$X_{1_51} + 7000 * X_{1_52} + 7000 * X_{1_53} + 4300 * X_{1_54} + 4300 * X_{1_55} + 4300 *$   
 $X_{1_56} + 7000 * X_{1_57} + 7000 * X_{1_58} + 4300 * X_{1_59} + 7000 * X_{1_60} + 7000 *$   
 $X_{1_61} + 7000 * X_{1_62} + 4300 * X_{1_63} + 7000 * X_{1_64} + 7000 * X_{1_65} + 7000 *$   
 $X_{1_66} + 7000 * X_{1_67} + 4300 * X_{1_68} + 7000 * X_{1_69} + 4300 * X_{1_70} + 4300 *$   
 $X_{1_71} + 7000 * X_{1_72} + 7000 * X_{1_73} + 7000 * X_{1_74} + 4300 * X_{1_75} + 7000 *$   
 $X_{1_76} + 4300 * X_{1_77} + 7000 * X_{1_78} + 7000 * X_{1_79} + 7000 * X_{1_80} + 4300 *$   
 $X_{1_81} + 7000 * X_{1_82} + 7000 * X_{1_83} + 4300 * X_{1_84} + 7000 * X_{1_85} + 7000 *$   
 $X_{1_86} + 7000 * X_{1_87} + 4300 * X_{1_88} + 4300 * X_{1_89} + 4300 * X_{1_90} + 7000 *$   
 $X_{1_91} + 7000 * X_{1_92} + 7000 * X_{1_93} + 4300 * X_{1_94} + 7000 * X_{1_95} + 7000 *$   
 $X_{1_96} + 7000 * X_{1_97} + 7000 * X_{1_98} + 4300 * X_{1_99} + 7000 * X_{1_100} + 4300 *$   
 $X_{1_101} + 7000 * X_{1_102} + 7000 * X_{1_103} + 7000 * X_{1_104} + 7000 * X_{1_105} + 7000$   
 $* X_{1_106} + 7000 * X_{1_107} + 4300 * X_{1_108} + 7000 * X_{1_109} + 4300 * X_{1_110} +$   
 $7000 * X_{1_111} + 4300 * X_{1_112} + 7000 * X_{1_113} + 7000 * X_{1_114} + 7000 * X_{1_115}$   
 $+ 4300 * X_{1_116} + 4300 * X_{1_117} + 7000 * X_{1_118} + 7000 * X_{1_119} + 7000 *$   
 $X_{1_120} + 7000 * X_{1_121} + 7000 * X_{1_122} + 4300 * X_{1_123} + 7000 * X_{1_124} + 7000$   
 $* X_{1_125} + 4300 * X_{1_126} + 7000 * X_{1_127} + 7000 * X_{1_128} + 7000 * X_{1_129} +$   
 $4300 * X_{1_130} + 7000 * X_{1_131} + 7000 * X_{1_132} + 7000 * X_{1_133} + 7000 * X_{1_134}$   
 $+ 4300 * X_{1_135} + 4300 * X_{1_136} + 7000 * X_{1_137} + 4300 * X_{1_138} + 4300 *$   
 $X_{1_139} + 7000 * X_{1_140} + 7000 * X_{1_141} + 7000 * X_{1_142} + 7000 * X_{1_143} + 7000$   
 $* X_{1_144} + 4300 * X_{1_145} + 7000 * X_{1_146} + 7000 * X_{1_147} + 4300 * X_{1_148} +$   
 $7000 * X_{1_149} + 7000 * X_{1_150} + 7000 * X_{1_151} + 4300 * X_{1_152} + 7000 * X_{1_153}$   
 $+ 7000 * X_{1_154} + 7000 * X_{1_155} + 7000 * X_{1_156} + 4300 * X_{1_157} + 4300 *$   
 $X_{1_158} + 7000 * X_{1_159} + 7000 * X_{1_160} + 4300 * X_{1_161} + 4300 * X_{1_162} + 7000$   
 $* X_{1_163} + 7000 * X_{1_164} + 7000 * X_{1_165} + 7000 * X_{1_166} + 7000 * X_{1_167} +$   
 $4300 * X_{1_168} + 4300 * X_{1_169} + 4300 * X_{1_170} + 7000 * X_{1_171} + 7000 * X_{1_172}$   
 $+ 7000 * X_{1_173} + 7000 * X_{1_174} + 7000 * X_{1_175} + 7000 * X_{1_176} + 7000 *$   
 $X_{1_177} + 7000 * X_{1_178} + 7000 * X_{1_179} + 4300 * X_{1_180} + 7000 * X_{1_181} + 4300$   
 $* X_{1_182} + 7000 * X_{1_183} + 4300 * X_{1_184} + 7000 * X_{1_185} + 4300 * X_{1_186} +$

7000 \* X\_1\_187 + 7000 \* X\_1\_188 + 7000 \* X\_1\_189 + 4300 \* X\_1\_190 +  
 7000 \* X\_1\_191  
 + 7000 \* X\_1\_192 + 7000 \* X\_1\_193 + 7000 \* X\_1\_194 + 4300 \* X\_1\_195 +  
 7000 \*  
 X\_1\_196 + 7000 \* X\_1\_197 + 4300 \* X\_1\_198 + 4300 \* X\_1\_199 + 7000 \*  
 X\_1\_200 + 7000  
 \* X\_1\_201 + 7000 \* X\_1\_202 + 7000 \* X\_1\_203 + 7000 \* X\_1\_204 + 4300 \*  
 X\_1\_205 +  
 4300 \* X\_1\_206 + 7000 \* X\_1\_207 + 7000 \* X\_1\_208 + 4300 \* X\_1\_209 +  
 7000 \* X\_1\_210  
 + 4300 \* X\_1\_211 + 7000 \* X\_1\_212 + 7000 \* X\_1\_213 + 7000 \* X\_1\_214 +  
 7000 \*  
 X\_1\_215 + 7000 \* X\_1\_216 + 7000 \* X\_1\_217 + 7000 \* X\_1\_218 + 4300 \*  
 X\_1\_219 + 4300  
 \* X\_1\_220 + 7000 \* X\_1\_221 + 7000 \* X\_1\_222 + 7000 \* X\_1\_223 + 4300 \*  
 X\_1\_224 +  
 7000 \* X\_1\_225 + 4300 \* X\_1\_226 + 7000 \* X\_1\_227 + 7000 \* X\_1\_228 +  
 4300 \* X\_1\_229  
 + 7000 \* X\_1\_230 + 7000 \* X\_1\_231 + 7000 \* X\_1\_232 + 7000 \* X\_1\_233 +  
 4300 \*  
 X\_1\_234 + 7000 \* X\_1\_235 + 7000 \* X\_1\_236 + 7000 \* X\_1\_237 + 4300 \*  
 X\_1\_238 + 7000  
 \* X\_1\_239 + 4300 \* X\_1\_240 - PAGATOTAL\_1 = 0;  
 [-1761] 7300 \* X\_2\_1 + 7300 \* X\_2\_2 + 7300 \* X\_2\_3 + 7300 \* X\_2\_4 +  
 4600 \* X\_2\_5 +  
 4600 \* X\_2\_6 + 4600 \* X\_2\_7 + 7300 \* X\_2\_8 + 7300 \* X\_2\_9 + 4600 \*  
 X\_2\_10 + 7300 \*  
 X\_2\_11 + 7300 \* X\_2\_12 + 7300 \* X\_2\_13 + 7300 \* X\_2\_14 + 7300 \*  
 X\_2\_15 + 4600 \*  
 X\_2\_16 + 7300 \* X\_2\_17 + 7300 \* X\_2\_18 + 7300 \* X\_2\_19 + 7300 \*  
 X\_2\_20 + 7300 \*  
 X\_2\_21 + 4600 \* X\_2\_22 + 4600 \* X\_2\_23 + 4600 \* X\_2\_24 + 7300 \*  
 X\_2\_25 + 4600 \*  
 X\_2\_26 + 7300 \* X\_2\_27 + 7300 \* X\_2\_28 + 7300 \* X\_2\_29 + 7300 \*  
 X\_2\_30 + 4600 \*  
 X\_2\_31 + 7300 \* X\_2\_32 + 7300 \* X\_2\_33 + 7300 \* X\_2\_34 + 7300 \*  
 X\_2\_35 + 7300 \*  
 X\_2\_36 + 7300 \* X\_2\_37 + 4600 \* X\_2\_38 + 4600 \* X\_2\_39 + 4600 \*  
 X\_2\_40 + 4600 \*  
 X\_2\_41 + 4600 \* X\_2\_42 + 7300 \* X\_2\_43 + 7300 \* X\_2\_44 + 7300 \*  
 X\_2\_45 + 7300 \*  
 X\_2\_46 + 7300 \* X\_2\_47 + 7300 \* X\_2\_48 + 7300 \* X\_2\_49 + 7300 \*  
 X\_2\_50 + 7300 \*  
 X\_2\_51 + 7300 \* X\_2\_52 + 7300 \* X\_2\_53 + 4600 \* X\_2\_54 + 4600 \*  
 X\_2\_55 + 4600 \*  
 X\_2\_56 + 7300 \* X\_2\_57 + 7300 \* X\_2\_58 + 4600 \* X\_2\_59 + 7300 \*  
 X\_2\_60 + 7300 \*  
 X\_2\_61 + 7300 \* X\_2\_62 + 4600 \* X\_2\_63 + 7300 \* X\_2\_64 + 7300 \*  
 X\_2\_65 + 7300 \*  
 X\_2\_66 + 7300 \* X\_2\_67 + 4600 \* X\_2\_68 + 7300 \* X\_2\_69 + 4600 \*  
 X\_2\_70 + 4600 \*  
 X\_2\_71 + 7300 \* X\_2\_72 + 7300 \* X\_2\_73 + 7300 \* X\_2\_74 + 4600 \*  
 X\_2\_75 + 7300 \*  
 X\_2\_76 + 4600 \* X\_2\_77 + 7300 \* X\_2\_78 + 7300 \* X\_2\_79 + 7300 \*  
 X\_2\_80 + 4600 \*  
 X\_2\_81 + 7300 \* X\_2\_82 + 7300 \* X\_2\_83 + 4600 \* X\_2\_84 + 7300 \*  
 X\_2\_85 + 7300 \*

$X_{2\_86} + 7300 * X_{2\_87} + 4600 * X_{2\_88} + 4600 * X_{2\_89} + 4600 * X_{2\_90} + 7300 * X_{2\_91} + 7300 * X_{2\_92} + 7300 * X_{2\_93} + 4600 * X_{2\_94} + 7300 * X_{2\_95} + 7300 * X_{2\_96} + 7300 * X_{2\_97} + 7300 * X_{2\_98} + 4600 * X_{2\_99} + 7300 * X_{2\_100} + 4600 * X_{2\_101} + 7300 * X_{2\_102} + 7300 * X_{2\_103} + 7300 * X_{2\_104} + 7300 * X_{2\_105} + 7300 * X_{2\_106} + 7300 * X_{2\_107} + 4600 * X_{2\_108} + 7300 * X_{2\_109} + 4600 * X_{2\_110} + 7300 * X_{2\_111} + 4600 * X_{2\_112} + 7300 * X_{2\_113} + 7300 * X_{2\_114} + 7300 * X_{2\_115} + 4600 * X_{2\_116} + 4600 * X_{2\_117} + 7300 * X_{2\_118} + 7300 * X_{2\_119} + 7300 * X_{2\_120} + 7300 * X_{2\_121} + 7300 * X_{2\_122} + 4600 * X_{2\_123} + 7300 * X_{2\_124} + 7300 * X_{2\_125} + 4600 * X_{2\_126} + 7300 * X_{2\_127} + 7300 * X_{2\_128} + 7300 * X_{2\_129} + 4600 * X_{2\_130} + 7300 * X_{2\_131} + 7300 * X_{2\_132} + 7300 * X_{2\_133} + 7300 * X_{2\_134} + 4600 * X_{2\_135} + 4600 * X_{2\_136} + 7300 * X_{2\_137} + 4600 * X_{2\_138} + 4600 * X_{2\_139} + 7300 * X_{2\_140} + 7300 * X_{2\_141} + 7300 * X_{2\_142} + 7300 * X_{2\_143} + 7300 * X_{2\_144} + 4600 * X_{2\_145} + 7300 * X_{2\_146} + 7300 * X_{2\_147} + 4600 * X_{2\_148} + 7300 * X_{2\_149} + 7300 * X_{2\_150} + 7300 * X_{2\_151} + 4600 * X_{2\_152} + 7300 * X_{2\_153} + 7300 * X_{2\_154} + 7300 * X_{2\_155} + 7300 * X_{2\_156} + 4600 * X_{2\_157} + 4600 * X_{2\_158} + 7300 * X_{2\_159} + 7300 * X_{2\_160} + 4600 * X_{2\_161} + 4600 * X_{2\_162} + 7300 * X_{2\_163} + 7300 * X_{2\_164} + 7300 * X_{2\_165} + 7300 * X_{2\_166} + 7300 * X_{2\_167} + 4600 * X_{2\_168} + 4600 * X_{2\_169} + 4600 * X_{2\_170} + 7300 * X_{2\_171} + 7300 * X_{2\_172} + 7300 * X_{2\_173} + 7300 * X_{2\_174} + 7300 * X_{2\_175} + 7300 * X_{2\_176} + 7300 * X_{2\_177} + 7300 * X_{2\_178} + 7300 * X_{2\_179} + 4600 * X_{2\_180} + 7300 * X_{2\_181} + 4600 * X_{2\_182} + 7300 * X_{2\_183} + 4600 * X_{2\_184} + 7300 * X_{2\_185} + 4600 * X_{2\_186} + 7300 * X_{2\_187} + 7300 * X_{2\_188} + 7300 * X_{2\_189} + 4600 * X_{2\_190} + 7300 * X_{2\_191} + 7300 * X_{2\_192} + 7300 * X_{2\_193} + 7300 * X_{2\_194} + 4600 * X_{2\_195} + 7300 * X_{2\_196} + 7300 * X_{2\_197} + 4600 * X_{2\_198} + 4600 * X_{2\_199} + 7300 * X_{2\_200} + 7300 * X_{2\_201} + 7300 * X_{2\_202} + 7300 * X_{2\_203} + 7300 * X_{2\_204} + 4600 * X_{2\_205} + 4600 * X_{2\_206} + 7300 * X_{2\_207} + 7300 * X_{2\_208} + 4600 * X_{2\_209} + 7300 * X_{2\_210} + 4600 * X_{2\_211} + 7300 * X_{2\_212} + 7300 * X_{2\_213} + 7300 * X_{2\_214} + 7300 * X_{2\_215} + 7300 * X_{2\_216} + 7300 * X_{2\_217} + 7300 * X_{2\_218} + 4600 * X_{2\_219} + 4600$



\* X\_2\_220 + 7300 \* X\_2\_221 + 7300 \* X\_2\_222 + 7300 \* X\_2\_223 + 4600 \*  
 X\_2\_224 +  
 7300 \* X\_2\_225 + 4600 \* X\_2\_226 + 7300 \* X\_2\_227 + 7300 \* X\_2\_228 +  
 4600 \* X\_2\_229  
 + 7300 \* X\_2\_230 + 7300 \* X\_2\_231 + 7300 \* X\_2\_232 + 7300 \* X\_2\_233 +  
 4600 \*  
 X\_2\_234 + 7300 \* X\_2\_235 + 7300 \* X\_2\_236 + 7300 \* X\_2\_237 + 4600 \*  
 X\_2\_238 + 7300  
 \* X\_2\_239 + 4600 \* X\_2\_240 - PAGATOTAL\_2 = 0;  
 [\_1762] 7000 \* X\_3\_1 + 7000 \* X\_3\_2 + 7000 \* X\_3\_3 + 7000 \* X\_3\_4 +  
 4300 \* X\_3\_5 +  
 4300 \* X\_3\_6 + 4300 \* X\_3\_7 + 7000 \* X\_3\_8 + 7000 \* X\_3\_9 + 4300 \*  
 X\_3\_10 + 7000 \*  
 X\_3\_11 + 7000 \* X\_3\_12 + 7000 \* X\_3\_13 + 7000 \* X\_3\_14 + 7000 \*  
 X\_3\_15 + 4300 \*  
 X\_3\_16 + 7000 \* X\_3\_17 + 7000 \* X\_3\_18 + 7000 \* X\_3\_19 + 7000 \*  
 X\_3\_20 + 7000 \*  
 X\_3\_21 + 4300 \* X\_3\_22 + 4300 \* X\_3\_23 + 4300 \* X\_3\_24 + 7000 \*  
 X\_3\_25 + 4300 \*  
 X\_3\_26 + 7000 \* X\_3\_27 + 7000 \* X\_3\_28 + 7000 \* X\_3\_29 + 7000 \*  
 X\_3\_30 + 4300 \*  
 X\_3\_31 + 7000 \* X\_3\_32 + 7000 \* X\_3\_33 + 7000 \* X\_3\_34 + 7000 \*  
 X\_3\_35 + 7000 \*  
 X\_3\_36 + 7000 \* X\_3\_37 + 4300 \* X\_3\_38 + 4300 \* X\_3\_39 + 4300 \*  
 X\_3\_40 + 4300 \*  
 X\_3\_41 + 4300 \* X\_3\_42 + 7000 \* X\_3\_43 + 7000 \* X\_3\_44 + 7000 \*  
 X\_3\_45 + 7000 \*  
 X\_3\_46 + 7000 \* X\_3\_47 + 7000 \* X\_3\_48 + 7000 \* X\_3\_49 + 7000 \*  
 X\_3\_50 + 7000 \*  
 X\_3\_51 + 7000 \* X\_3\_52 + 7000 \* X\_3\_53 + 4300 \* X\_3\_54 + 4300 \*  
 X\_3\_55 + 4300 \*  
 X\_3\_56 + 7000 \* X\_3\_57 + 7000 \* X\_3\_58 + 4300 \* X\_3\_59 + 7000 \*  
 X\_3\_60 + 7000 \*  
 X\_3\_61 + 7000 \* X\_3\_62 + 4300 \* X\_3\_63 + 7000 \* X\_3\_64 + 7000 \*  
 X\_3\_65 + 7000 \*  
 X\_3\_66 + 7000 \* X\_3\_67 + 4300 \* X\_3\_68 + 7000 \* X\_3\_69 + 4300 \*  
 X\_3\_70 + 4300 \*  
 X\_3\_71 + 7000 \* X\_3\_72 + 7000 \* X\_3\_73 + 7000 \* X\_3\_74 + 4300 \*  
 X\_3\_75 + 7000 \*  
 X\_3\_76 + 4300 \* X\_3\_77 + 7000 \* X\_3\_78 + 7000 \* X\_3\_79 + 7000 \*  
 X\_3\_80 + 4300 \*  
 X\_3\_81 + 7000 \* X\_3\_82 + 7000 \* X\_3\_83 + 4300 \* X\_3\_84 + 7000 \*  
 X\_3\_85 + 7000 \*  
 X\_3\_86 + 7000 \* X\_3\_87 + 4300 \* X\_3\_88 + 4300 \* X\_3\_89 + 4300 \*  
 X\_3\_90 + 7000 \*  
 X\_3\_91 + 7000 \* X\_3\_92 + 7000 \* X\_3\_93 + 4300 \* X\_3\_94 + 7000 \*  
 X\_3\_95 + 7000 \*  
 X\_3\_96 + 7000 \* X\_3\_97 + 7000 \* X\_3\_98 + 4300 \* X\_3\_99 + 7000 \*  
 X\_3\_100 + 4300 \*  
 X\_3\_101 + 7000 \* X\_3\_102 + 7000 \* X\_3\_103 + 7000 \* X\_3\_104 + 7000 \*  
 X\_3\_105 + 7000  
 \* X\_3\_106 + 7000 \* X\_3\_107 + 4300 \* X\_3\_108 + 7000 \* X\_3\_109 + 4300 \*  
 X\_3\_110 +  
 7000 \* X\_3\_111 + 4300 \* X\_3\_112 + 7000 \* X\_3\_113 + 7000 \* X\_3\_114 +  
 7000 \* X\_3\_115  
 + 4300 \* X\_3\_116 + 4300 \* X\_3\_117 + 7000 \* X\_3\_118 + 7000 \* X\_3\_119 +  
 7000 \*

$X_{3\_120} + 7000 * X_{3\_121} + 7000 * X_{3\_122} + 4300 * X_{3\_123} + 7000 * X_{3\_124} + 7000$   
 $* X_{3\_125} + 4300 * X_{3\_126} + 7000 * X_{3\_127} + 7000 * X_{3\_128} + 7000 * X_{3\_129} +$   
 $4300 * X_{3\_130} + 7000 * X_{3\_131} + 7000 * X_{3\_132} + 7000 * X_{3\_133} + 7000 * X_{3\_134}$   
 $+ 4300 * X_{3\_135} + 4300 * X_{3\_136} + 7000 * X_{3\_137} + 4300 * X_{3\_138} + 4300 *$   
 $X_{3\_139} + 7000 * X_{3\_140} + 7000 * X_{3\_141} + 7000 * X_{3\_142} + 7000 * X_{3\_143} + 7000$   
 $* X_{3\_144} + 4300 * X_{3\_145} + 7000 * X_{3\_146} + 7000 * X_{3\_147} + 4300 * X_{3\_148} +$   
 $7000 * X_{3\_149} + 7000 * X_{3\_150} + 7000 * X_{3\_151} + 4300 * X_{3\_152} + 7000 * X_{3\_153}$   
 $+ 7000 * X_{3\_154} + 7000 * X_{3\_155} + 7000 * X_{3\_156} + 4300 * X_{3\_157} + 4300 *$   
 $X_{3\_158} + 7000 * X_{3\_159} + 7000 * X_{3\_160} + 4300 * X_{3\_161} + 4300 * X_{3\_162} + 7000$   
 $* X_{3\_163} + 7000 * X_{3\_164} + 7000 * X_{3\_165} + 7000 * X_{3\_166} + 7000 * X_{3\_167} +$   
 $4300 * X_{3\_168} + 4300 * X_{3\_169} + 4300 * X_{3\_170} + 7000 * X_{3\_171} + 7000 * X_{3\_172}$   
 $+ 7000 * X_{3\_173} + 7000 * X_{3\_174} + 7000 * X_{3\_175} + 7000 * X_{3\_176} + 7000 *$   
 $X_{3\_177} + 7000 * X_{3\_178} + 7000 * X_{3\_179} + 4300 * X_{3\_180} + 7000 * X_{3\_181} + 4300$   
 $* X_{3\_182} + 7000 * X_{3\_183} + 4300 * X_{3\_184} + 7000 * X_{3\_185} + 4300 * X_{3\_186} +$   
 $7000 * X_{3\_187} + 7000 * X_{3\_188} + 7000 * X_{3\_189} + 4300 * X_{3\_190} + 7000 * X_{3\_191}$   
 $+ 7000 * X_{3\_192} + 7000 * X_{3\_193} + 7000 * X_{3\_194} + 4300 * X_{3\_195} + 7000 *$   
 $X_{3\_196} + 7000 * X_{3\_197} + 4300 * X_{3\_198} + 4300 * X_{3\_199} + 7000 * X_{3\_200} + 7000$   
 $* X_{3\_201} + 7000 * X_{3\_202} + 7000 * X_{3\_203} + 7000 * X_{3\_204} + 4300 * X_{3\_205} +$   
 $4300 * X_{3\_206} + 7000 * X_{3\_207} + 7000 * X_{3\_208} + 4300 * X_{3\_209} + 7000 * X_{3\_210}$   
 $+ 4300 * X_{3\_211} + 7000 * X_{3\_212} + 7000 * X_{3\_213} + 7000 * X_{3\_214} + 7000 *$   
 $X_{3\_215} + 7000 * X_{3\_216} + 7000 * X_{3\_217} + 7000 * X_{3\_218} + 4300 * X_{3\_219} + 4300$   
 $* X_{3\_220} + 7000 * X_{3\_221} + 7000 * X_{3\_222} + 7000 * X_{3\_223} + 4300 * X_{3\_224} +$   
 $7000 * X_{3\_225} + 4300 * X_{3\_226} + 7000 * X_{3\_227} + 7000 * X_{3\_228} + 4300 * X_{3\_229}$   
 $+ 7000 * X_{3\_230} + 7000 * X_{3\_231} + 7000 * X_{3\_232} + 7000 * X_{3\_233} + 4300 *$   
 $X_{3\_234} + 7000 * X_{3\_235} + 7000 * X_{3\_236} + 7000 * X_{3\_237} + 4300 * X_{3\_238} + 7000$   
 $* X_{3\_239} + 4300 * X_{3\_240} - \text{PAGATOTAL}_3 = 0;$   
 $[_{1763}] 7000 * X_{4\_1} + 7000 * X_{4\_2} + 7000 * X_{4\_3} + 7000 * X_{4\_4} + 4300 * X_{4\_5} +$   
 $4300 * X_{4\_6} + 4300 * X_{4\_7} + 7000 * X_{4\_8} + 7000 * X_{4\_9} + 4300 * X_{4\_10} + 7000 *$   
 $X_{4\_11} + 7000 * X_{4\_12} + 7000 * X_{4\_13} + 7000 * X_{4\_14} + 7000 * X_{4\_15} + 4300 *$

$X_{4\_16} + 7000 * X_{4\_17} + 7000 * X_{4\_18} + 7000 * X_{4\_19} + 7000 * X_{4\_20} + 7000 *$   
 $X_{4\_21} + 4300 * X_{4\_22} + 4300 * X_{4\_23} + 4300 * X_{4\_24} + 7000 * X_{4\_25} + 4300 *$   
 $X_{4\_26} + 7000 * X_{4\_27} + 7000 * X_{4\_28} + 7000 * X_{4\_29} + 7000 * X_{4\_30} + 4300 *$   
 $X_{4\_31} + 7000 * X_{4\_32} + 7000 * X_{4\_33} + 7000 * X_{4\_34} + 7000 * X_{4\_35} + 7000 *$   
 $X_{4\_36} + 7000 * X_{4\_37} + 4300 * X_{4\_38} + 4300 * X_{4\_39} + 4300 * X_{4\_40} + 4300 *$   
 $X_{4\_41} + 4300 * X_{4\_42} + 7000 * X_{4\_43} + 7000 * X_{4\_44} + 7000 * X_{4\_45} + 7000 *$   
 $X_{4\_46} + 7000 * X_{4\_47} + 7000 * X_{4\_48} + 7000 * X_{4\_49} + 7000 * X_{4\_50} + 7000 *$   
 $X_{4\_51} + 7000 * X_{4\_52} + 7000 * X_{4\_53} + 4300 * X_{4\_54} + 4300 * X_{4\_55} + 4300 *$   
 $X_{4\_56} + 7000 * X_{4\_57} + 7000 * X_{4\_58} + 4300 * X_{4\_59} + 7000 * X_{4\_60} + 7000 *$   
 $X_{4\_61} + 7000 * X_{4\_62} + 4300 * X_{4\_63} + 7000 * X_{4\_64} + 7000 * X_{4\_65} + 7000 *$   
 $X_{4\_66} + 7000 * X_{4\_67} + 4300 * X_{4\_68} + 7000 * X_{4\_69} + 4300 * X_{4\_70} + 4300 *$   
 $X_{4\_71} + 7000 * X_{4\_72} + 7000 * X_{4\_73} + 7000 * X_{4\_74} + 4300 * X_{4\_75} + 7000 *$   
 $X_{4\_76} + 4300 * X_{4\_77} + 7000 * X_{4\_78} + 7000 * X_{4\_79} + 7000 * X_{4\_80} + 4300 *$   
 $X_{4\_81} + 7000 * X_{4\_82} + 7000 * X_{4\_83} + 4300 * X_{4\_84} + 7000 * X_{4\_85} + 7000 *$   
 $X_{4\_86} + 7000 * X_{4\_87} + 4300 * X_{4\_88} + 4300 * X_{4\_89} + 4300 * X_{4\_90} + 7000 *$   
 $X_{4\_91} + 7000 * X_{4\_92} + 7000 * X_{4\_93} + 4300 * X_{4\_94} + 7000 * X_{4\_95} + 7000 *$   
 $X_{4\_96} + 7000 * X_{4\_97} + 7000 * X_{4\_98} + 4300 * X_{4\_99} + 7000 * X_{4\_100} + 4300 *$   
 $X_{4\_101} + 7000 * X_{4\_102} + 7000 * X_{4\_103} + 7000 * X_{4\_104} + 7000 * X_{4\_105} + 7000$   
 $* X_{4\_106} + 7000 * X_{4\_107} + 4300 * X_{4\_108} + 7000 * X_{4\_109} + 4300 * X_{4\_110} +$   
 $7000 * X_{4\_111} + 4300 * X_{4\_112} + 7000 * X_{4\_113} + 7000 * X_{4\_114} + 7000 * X_{4\_115}$   
 $+ 4300 * X_{4\_116} + 4300 * X_{4\_117} + 7000 * X_{4\_118} + 7000 * X_{4\_119} + 7000 *$   
 $X_{4\_120} + 7000 * X_{4\_121} + 7000 * X_{4\_122} + 4300 * X_{4\_123} + 7000 * X_{4\_124} + 7000$   
 $* X_{4\_125} + 4300 * X_{4\_126} + 7000 * X_{4\_127} + 7000 * X_{4\_128} + 7000 * X_{4\_129} +$   
 $4300 * X_{4\_130} + 7000 * X_{4\_131} + 7000 * X_{4\_132} + 7000 * X_{4\_133} + 7000 * X_{4\_134}$   
 $+ 4300 * X_{4\_135} + 4300 * X_{4\_136} + 7000 * X_{4\_137} + 4300 * X_{4\_138} + 4300 *$   
 $X_{4\_139} + 7000 * X_{4\_140} + 7000 * X_{4\_141} + 7000 * X_{4\_142} + 7000 * X_{4\_143} + 7000$   
 $* X_{4\_144} + 4300 * X_{4\_145} + 7000 * X_{4\_146} + 7000 * X_{4\_147} + 4300 * X_{4\_148} +$   
 $7000 * X_{4\_149} + 7000 * X_{4\_150} + 7000 * X_{4\_151} + 4300 * X_{4\_152} + 7000 * X_{4\_153}$

+ 7000 \* X\_4\_154 + 7000 \* X\_4\_155 + 7000 \* X\_4\_156 + 4300 \* X\_4\_157 +  
 4300 \*  
 X\_4\_158 + 7000 \* X\_4\_159 + 7000 \* X\_4\_160 + 4300 \* X\_4\_161 + 4300 \*  
 X\_4\_162 + 7000  
 \* X\_4\_163 + 7000 \* X\_4\_164 + 7000 \* X\_4\_165 + 7000 \* X\_4\_166 + 7000 \*  
 X\_4\_167 +  
 4300 \* X\_4\_168 + 4300 \* X\_4\_169 + 4300 \* X\_4\_170 + 7000 \* X\_4\_171 +  
 7000 \* X\_4\_172  
 + 7000 \* X\_4\_173 + 7000 \* X\_4\_174 + 7000 \* X\_4\_175 + 7000 \* X\_4\_176 +  
 7000 \*  
 X\_4\_177 + 7000 \* X\_4\_178 + 7000 \* X\_4\_179 + 4300 \* X\_4\_180 + 7000 \*  
 X\_4\_181 + 4300  
 \* X\_4\_182 + 7000 \* X\_4\_183 + 4300 \* X\_4\_184 + 7000 \* X\_4\_185 + 4300 \*  
 X\_4\_186 +  
 7000 \* X\_4\_187 + 7000 \* X\_4\_188 + 7000 \* X\_4\_189 + 4300 \* X\_4\_190 +  
 7000 \* X\_4\_191  
 + 7000 \* X\_4\_192 + 7000 \* X\_4\_193 + 7000 \* X\_4\_194 + 4300 \* X\_4\_195 +  
 7000 \*  
 X\_4\_196 + 7000 \* X\_4\_197 + 4300 \* X\_4\_198 + 4300 \* X\_4\_199 + 7000 \*  
 X\_4\_200 + 7000  
 \* X\_4\_201 + 7000 \* X\_4\_202 + 7000 \* X\_4\_203 + 7000 \* X\_4\_204 + 4300 \*  
 X\_4\_205 +  
 4300 \* X\_4\_206 + 7000 \* X\_4\_207 + 7000 \* X\_4\_208 + 4300 \* X\_4\_209 +  
 7000 \* X\_4\_210  
 + 4300 \* X\_4\_211 + 7000 \* X\_4\_212 + 7000 \* X\_4\_213 + 7000 \* X\_4\_214 +  
 7000 \*  
 X\_4\_215 + 7000 \* X\_4\_216 + 7000 \* X\_4\_217 + 7000 \* X\_4\_218 + 4300 \*  
 X\_4\_219 + 4300  
 \* X\_4\_220 + 7000 \* X\_4\_221 + 7000 \* X\_4\_222 + 7000 \* X\_4\_223 + 4300 \*  
 X\_4\_224 +  
 7000 \* X\_4\_225 + 4300 \* X\_4\_226 + 7000 \* X\_4\_227 + 7000 \* X\_4\_228 +  
 4300 \* X\_4\_229  
 + 7000 \* X\_4\_230 + 7000 \* X\_4\_231 + 7000 \* X\_4\_232 + 7000 \* X\_4\_233 +  
 4300 \*  
 X\_4\_234 + 7000 \* X\_4\_235 + 7000 \* X\_4\_236 + 7000 \* X\_4\_237 + 4300 \*  
 X\_4\_238 + 7000  
 \* X\_4\_239 + 4300 \* X\_4\_240 - PAGATOTAL\_4 = 0;  
 [\_1764] 7000 \* X\_5\_1 + 7000 \* X\_5\_2 + 7000 \* X\_5\_3 + 7000 \* X\_5\_4 +  
 4300 \* X\_5\_5 +  
 4300 \* X\_5\_6 + 4300 \* X\_5\_7 + 7000 \* X\_5\_8 + 7000 \* X\_5\_9 + 4300 \*  
 X\_5\_10 + 7000 \*  
 X\_5\_11 + 7000 \* X\_5\_12 + 7000 \* X\_5\_13 + 7000 \* X\_5\_14 + 7000 \*  
 X\_5\_15 + 4300 \*  
 X\_5\_16 + 7000 \* X\_5\_17 + 7000 \* X\_5\_18 + 7000 \* X\_5\_19 + 7000 \*  
 X\_5\_20 + 7000 \*  
 X\_5\_21 + 4300 \* X\_5\_22 + 4300 \* X\_5\_23 + 4300 \* X\_5\_24 + 7000 \*  
 X\_5\_25 + 4300 \*  
 X\_5\_26 + 7000 \* X\_5\_27 + 7000 \* X\_5\_28 + 7000 \* X\_5\_29 + 7000 \*  
 X\_5\_30 + 4300 \*  
 X\_5\_31 + 7000 \* X\_5\_32 + 7000 \* X\_5\_33 + 7000 \* X\_5\_34 + 7000 \*  
 X\_5\_35 + 7000 \*  
 X\_5\_36 + 7000 \* X\_5\_37 + 4300 \* X\_5\_38 + 4300 \* X\_5\_39 + 4300 \*  
 X\_5\_40 + 4300 \*  
 X\_5\_41 + 4300 \* X\_5\_42 + 7000 \* X\_5\_43 + 7000 \* X\_5\_44 + 7000 \*  
 X\_5\_45 + 7000 \*  
 X\_5\_46 + 7000 \* X\_5\_47 + 7000 \* X\_5\_48 + 7000 \* X\_5\_49 + 7000 \*  
 X\_5\_50 + 7000 \*

$X_{5\_51} + 7000 * X_{5\_52} + 7000 * X_{5\_53} + 4300 * X_{5\_54} + 4300 * X_{5\_55} + 4300 * X_{5\_56} + 7000 * X_{5\_57} + 7000 * X_{5\_58} + 4300 * X_{5\_59} + 7000 * X_{5\_60} + 7000 * X_{5\_61} + 7000 * X_{5\_62} + 4300 * X_{5\_63} + 7000 * X_{5\_64} + 7000 * X_{5\_65} + 7000 * X_{5\_66} + 7000 * X_{5\_67} + 4300 * X_{5\_68} + 7000 * X_{5\_69} + 4300 * X_{5\_70} + 4300 * X_{5\_71} + 7000 * X_{5\_72} + 7000 * X_{5\_73} + 7000 * X_{5\_74} + 4300 * X_{5\_75} + 7000 * X_{5\_76} + 4300 * X_{5\_77} + 7000 * X_{5\_78} + 7000 * X_{5\_79} + 7000 * X_{5\_80} + 4300 * X_{5\_81} + 7000 * X_{5\_82} + 7000 * X_{5\_83} + 4300 * X_{5\_84} + 7000 * X_{5\_85} + 7000 * X_{5\_86} + 7000 * X_{5\_87} + 4300 * X_{5\_88} + 4300 * X_{5\_89} + 4300 * X_{5\_90} + 7000 * X_{5\_91} + 7000 * X_{5\_92} + 7000 * X_{5\_93} + 4300 * X_{5\_94} + 7000 * X_{5\_95} + 7000 * X_{5\_96} + 7000 * X_{5\_97} + 7000 * X_{5\_98} + 4300 * X_{5\_99} + 7000 * X_{5\_100} + 4300 * X_{5\_101} + 7000 * X_{5\_102} + 7000 * X_{5\_103} + 7000 * X_{5\_104} + 7000 * X_{5\_105} + 7000 * X_{5\_106} + 7000 * X_{5\_107} + 4300 * X_{5\_108} + 7000 * X_{5\_109} + 4300 * X_{5\_110} + 7000 * X_{5\_111} + 4300 * X_{5\_112} + 7000 * X_{5\_113} + 7000 * X_{5\_114} + 7000 * X_{5\_115} + 4300 * X_{5\_116} + 4300 * X_{5\_117} + 7000 * X_{5\_118} + 7000 * X_{5\_119} + 7000 * X_{5\_120} + 7000 * X_{5\_121} + 7000 * X_{5\_122} + 4300 * X_{5\_123} + 7000 * X_{5\_124} + 7000 * X_{5\_125} + 4300 * X_{5\_126} + 7000 * X_{5\_127} + 7000 * X_{5\_128} + 7000 * X_{5\_129} + 4300 * X_{5\_130} + 7000 * X_{5\_131} + 7000 * X_{5\_132} + 7000 * X_{5\_133} + 7000 * X_{5\_134} + 4300 * X_{5\_135} + 4300 * X_{5\_136} + 7000 * X_{5\_137} + 4300 * X_{5\_138} + 4300 * X_{5\_139} + 7000 * X_{5\_140} + 7000 * X_{5\_141} + 7000 * X_{5\_142} + 7000 * X_{5\_143} + 7000 * X_{5\_144} + 4300 * X_{5\_145} + 7000 * X_{5\_146} + 7000 * X_{5\_147} + 4300 * X_{5\_148} + 7000 * X_{5\_149} + 7000 * X_{5\_150} + 7000 * X_{5\_151} + 4300 * X_{5\_152} + 7000 * X_{5\_153} + 7000 * X_{5\_154} + 7000 * X_{5\_155} + 7000 * X_{5\_156} + 4300 * X_{5\_157} + 4300 * X_{5\_158} + 7000 * X_{5\_159} + 7000 * X_{5\_160} + 4300 * X_{5\_161} + 4300 * X_{5\_162} + 7000 * X_{5\_163} + 7000 * X_{5\_164} + 7000 * X_{5\_165} + 7000 * X_{5\_166} + 7000 * X_{5\_167} + 4300 * X_{5\_168} + 4300 * X_{5\_169} + 4300 * X_{5\_170} + 7000 * X_{5\_171} + 7000 * X_{5\_172} + 7000 * X_{5\_173} + 7000 * X_{5\_174} + 7000 * X_{5\_175} + 7000 * X_{5\_176} + 7000 * X_{5\_177} + 7000 * X_{5\_178} + 7000 * X_{5\_179} + 4300 * X_{5\_180} + 7000 * X_{5\_181} + 4300 * X_{5\_182} + 7000 * X_{5\_183} + 4300 * X_{5\_184} + 7000 * X_{5\_185} + 4300 * X_{5\_186} +$

7000 \* X\_5\_187 + 7000 \* X\_5\_188 + 7000 \* X\_5\_189 + 4300 \* X\_5\_190 +  
 7000 \* X\_5\_191  
 + 7000 \* X\_5\_192 + 7000 \* X\_5\_193 + 7000 \* X\_5\_194 + 4300 \* X\_5\_195 +  
 7000 \*  
 X\_5\_196 + 7000 \* X\_5\_197 + 4300 \* X\_5\_198 + 4300 \* X\_5\_199 + 7000 \*  
 X\_5\_200 + 7000  
 \* X\_5\_201 + 7000 \* X\_5\_202 + 7000 \* X\_5\_203 + 7000 \* X\_5\_204 + 4300 \*  
 X\_5\_205 +  
 4300 \* X\_5\_206 + 7000 \* X\_5\_207 + 7000 \* X\_5\_208 + 4300 \* X\_5\_209 +  
 7000 \* X\_5\_210  
 + 4300 \* X\_5\_211 + 7000 \* X\_5\_212 + 7000 \* X\_5\_213 + 7000 \* X\_5\_214 +  
 7000 \*  
 X\_5\_215 + 7000 \* X\_5\_216 + 7000 \* X\_5\_217 + 7000 \* X\_5\_218 + 4300 \*  
 X\_5\_219 + 4300  
 \* X\_5\_220 + 7000 \* X\_5\_221 + 7000 \* X\_5\_222 + 7000 \* X\_5\_223 + 4300 \*  
 X\_5\_224 +  
 7000 \* X\_5\_225 + 4300 \* X\_5\_226 + 7000 \* X\_5\_227 + 7000 \* X\_5\_228 +  
 4300 \* X\_5\_229  
 + 7000 \* X\_5\_230 + 7000 \* X\_5\_231 + 7000 \* X\_5\_232 + 7000 \* X\_5\_233 +  
 4300 \*  
 X\_5\_234 + 7000 \* X\_5\_235 + 7000 \* X\_5\_236 + 7000 \* X\_5\_237 + 4300 \*  
 X\_5\_238 + 7000  
 \* X\_5\_239 + 4300 \* X\_5\_240 - PAGATOTAL\_5 = 0;  
 [\_1765] 7000 \* X\_6\_1 + 7000 \* X\_6\_2 + 7000 \* X\_6\_3 + 7000 \* X\_6\_4 +  
 4300 \* X\_6\_5 +  
 4300 \* X\_6\_6 + 4300 \* X\_6\_7 + 7000 \* X\_6\_8 + 7000 \* X\_6\_9 + 4300 \*  
 X\_6\_10 + 7000 \*  
 X\_6\_11 + 7000 \* X\_6\_12 + 7000 \* X\_6\_13 + 7000 \* X\_6\_14 + 7000 \*  
 X\_6\_15 + 4300 \*  
 X\_6\_16 + 7000 \* X\_6\_17 + 7000 \* X\_6\_18 + 7000 \* X\_6\_19 + 7000 \*  
 X\_6\_20 + 7000 \*  
 X\_6\_21 + 4300 \* X\_6\_22 + 4300 \* X\_6\_23 + 4300 \* X\_6\_24 + 7000 \*  
 X\_6\_25 + 4300 \*  
 X\_6\_26 + 7000 \* X\_6\_27 + 7000 \* X\_6\_28 + 7000 \* X\_6\_29 + 7000 \*  
 X\_6\_30 + 4300 \*  
 X\_6\_31 + 7000 \* X\_6\_32 + 7000 \* X\_6\_33 + 7000 \* X\_6\_34 + 7000 \*  
 X\_6\_35 + 7000 \*  
 X\_6\_36 + 7000 \* X\_6\_37 + 4300 \* X\_6\_38 + 4300 \* X\_6\_39 + 4300 \*  
 X\_6\_40 + 4300 \*  
 X\_6\_41 + 4300 \* X\_6\_42 + 7000 \* X\_6\_43 + 7000 \* X\_6\_44 + 7000 \*  
 X\_6\_45 + 7000 \*  
 X\_6\_46 + 7000 \* X\_6\_47 + 7000 \* X\_6\_48 + 7000 \* X\_6\_49 + 7000 \*  
 X\_6\_50 + 7000 \*  
 X\_6\_51 + 7000 \* X\_6\_52 + 7000 \* X\_6\_53 + 4300 \* X\_6\_54 + 4300 \*  
 X\_6\_55 + 4300 \*  
 X\_6\_56 + 7000 \* X\_6\_57 + 7000 \* X\_6\_58 + 4300 \* X\_6\_59 + 7000 \*  
 X\_6\_60 + 7000 \*  
 X\_6\_61 + 7000 \* X\_6\_62 + 4300 \* X\_6\_63 + 7000 \* X\_6\_64 + 7000 \*  
 X\_6\_65 + 7000 \*  
 X\_6\_66 + 7000 \* X\_6\_67 + 4300 \* X\_6\_68 + 7000 \* X\_6\_69 + 4300 \*  
 X\_6\_70 + 4300 \*  
 X\_6\_71 + 7000 \* X\_6\_72 + 7000 \* X\_6\_73 + 7000 \* X\_6\_74 + 4300 \*  
 X\_6\_75 + 7000 \*  
 X\_6\_76 + 4300 \* X\_6\_77 + 7000 \* X\_6\_78 + 7000 \* X\_6\_79 + 7000 \*  
 X\_6\_80 + 4300 \*  
 X\_6\_81 + 7000 \* X\_6\_82 + 7000 \* X\_6\_83 + 4300 \* X\_6\_84 + 7000 \*  
 X\_6\_85 + 7000 \*

$X_{6\_86} + 7000 * X_{6\_87} + 4300 * X_{6\_88} + 4300 * X_{6\_89} + 4300 * X_{6\_90} + 7000 * X_{6\_91} + 7000 * X_{6\_92} + 7000 * X_{6\_93} + 4300 * X_{6\_94} + 7000 * X_{6\_95} + 7000 * X_{6\_96} + 7000 * X_{6\_97} + 7000 * X_{6\_98} + 4300 * X_{6\_99} + 7000 * X_{6\_100} + 4300 * X_{6\_101} + 7000 * X_{6\_102} + 7000 * X_{6\_103} + 7000 * X_{6\_104} + 7000 * X_{6\_105} + 7000 * X_{6\_106} + 7000 * X_{6\_107} + 4300 * X_{6\_108} + 7000 * X_{6\_109} + 4300 * X_{6\_110} + 7000 * X_{6\_111} + 4300 * X_{6\_112} + 7000 * X_{6\_113} + 7000 * X_{6\_114} + 7000 * X_{6\_115} + 4300 * X_{6\_116} + 4300 * X_{6\_117} + 7000 * X_{6\_118} + 7000 * X_{6\_119} + 7000 * X_{6\_120} + 7000 * X_{6\_121} + 7000 * X_{6\_122} + 4300 * X_{6\_123} + 7000 * X_{6\_124} + 7000 * X_{6\_125} + 4300 * X_{6\_126} + 7000 * X_{6\_127} + 7000 * X_{6\_128} + 7000 * X_{6\_129} + 4300 * X_{6\_130} + 7000 * X_{6\_131} + 7000 * X_{6\_132} + 7000 * X_{6\_133} + 7000 * X_{6\_134} + 4300 * X_{6\_135} + 4300 * X_{6\_136} + 7000 * X_{6\_137} + 4300 * X_{6\_138} + 4300 * X_{6\_139} + 7000 * X_{6\_140} + 7000 * X_{6\_141} + 7000 * X_{6\_142} + 7000 * X_{6\_143} + 7000 * X_{6\_144} + 4300 * X_{6\_145} + 7000 * X_{6\_146} + 7000 * X_{6\_147} + 4300 * X_{6\_148} + 7000 * X_{6\_149} + 7000 * X_{6\_150} + 7000 * X_{6\_151} + 4300 * X_{6\_152} + 7000 * X_{6\_153} + 7000 * X_{6\_154} + 7000 * X_{6\_155} + 7000 * X_{6\_156} + 4300 * X_{6\_157} + 4300 * X_{6\_158} + 7000 * X_{6\_159} + 7000 * X_{6\_160} + 4300 * X_{6\_161} + 4300 * X_{6\_162} + 7000 * X_{6\_163} + 7000 * X_{6\_164} + 7000 * X_{6\_165} + 7000 * X_{6\_166} + 7000 * X_{6\_167} + 4300 * X_{6\_168} + 4300 * X_{6\_169} + 4300 * X_{6\_170} + 7000 * X_{6\_171} + 7000 * X_{6\_172} + 7000 * X_{6\_173} + 7000 * X_{6\_174} + 7000 * X_{6\_175} + 7000 * X_{6\_176} + 7000 * X_{6\_177} + 7000 * X_{6\_178} + 7000 * X_{6\_179} + 4300 * X_{6\_180} + 7000 * X_{6\_181} + 4300 * X_{6\_182} + 7000 * X_{6\_183} + 4300 * X_{6\_184} + 7000 * X_{6\_185} + 4300 * X_{6\_186} + 7000 * X_{6\_187} + 7000 * X_{6\_188} + 7000 * X_{6\_189} + 4300 * X_{6\_190} + 7000 * X_{6\_191} + 7000 * X_{6\_192} + 7000 * X_{6\_193} + 7000 * X_{6\_194} + 4300 * X_{6\_195} + 7000 * X_{6\_196} + 7000 * X_{6\_197} + 4300 * X_{6\_198} + 4300 * X_{6\_199} + 7000 * X_{6\_200} + 7000 * X_{6\_201} + 7000 * X_{6\_202} + 7000 * X_{6\_203} + 7000 * X_{6\_204} + 4300 * X_{6\_205} + 4300 * X_{6\_206} + 7000 * X_{6\_207} + 7000 * X_{6\_208} + 4300 * X_{6\_209} + 7000 * X_{6\_210} + 4300 * X_{6\_211} + 7000 * X_{6\_212} + 7000 * X_{6\_213} + 7000 * X_{6\_214} + 7000 * X_{6\_215} + 7000 * X_{6\_216} + 7000 * X_{6\_217} + 7000 * X_{6\_218} + 4300 * X_{6\_219} + 4300$

\* X\_6\_220 + 7000 \* X\_6\_221 + 7000 \* X\_6\_222 + 7000 \* X\_6\_223 + 4300 \*  
 X\_6\_224 +  
 7000 \* X\_6\_225 + 4300 \* X\_6\_226 + 7000 \* X\_6\_227 + 7000 \* X\_6\_228 +  
 4300 \* X\_6\_229  
 + 7000 \* X\_6\_230 + 7000 \* X\_6\_231 + 7000 \* X\_6\_232 + 7000 \* X\_6\_233 +  
 4300 \*  
 X\_6\_234 + 7000 \* X\_6\_235 + 7000 \* X\_6\_236 + 7000 \* X\_6\_237 + 4300 \*  
 X\_6\_238 + 7000  
 \* X\_6\_239 + 4300 \* X\_6\_240 - PAGATOTAL\_6 = 0;  
 [-1766] 8500 \* X\_7\_1 + 8500 \* X\_7\_2 + 8500 \* X\_7\_3 + 8500 \* X\_7\_4 +  
 5800 \* X\_7\_5 +  
 5800 \* X\_7\_6 + 5800 \* X\_7\_7 + 8500 \* X\_7\_8 + 8500 \* X\_7\_9 + 5800 \*  
 X\_7\_10 + 8500 \*  
 X\_7\_11 + 8500 \* X\_7\_12 + 8500 \* X\_7\_13 + 8500 \* X\_7\_14 + 8500 \*  
 X\_7\_15 + 5800 \*  
 X\_7\_16 + 8500 \* X\_7\_17 + 8500 \* X\_7\_18 + 8500 \* X\_7\_19 + 8500 \*  
 X\_7\_20 + 8500 \*  
 X\_7\_21 + 5800 \* X\_7\_22 + 5800 \* X\_7\_23 + 5800 \* X\_7\_24 + 8500 \*  
 X\_7\_25 + 5800 \*  
 X\_7\_26 + 8500 \* X\_7\_27 + 8500 \* X\_7\_28 + 8500 \* X\_7\_29 + 8500 \*  
 X\_7\_30 + 5800 \*  
 X\_7\_31 + 8500 \* X\_7\_32 + 8500 \* X\_7\_33 + 8500 \* X\_7\_34 + 8500 \*  
 X\_7\_35 + 8500 \*  
 X\_7\_36 + 8500 \* X\_7\_37 + 5800 \* X\_7\_38 + 5800 \* X\_7\_39 + 5800 \*  
 X\_7\_40 + 5800 \*  
 X\_7\_41 + 5800 \* X\_7\_42 + 8500 \* X\_7\_43 + 8500 \* X\_7\_44 + 8500 \*  
 X\_7\_45 + 8500 \*  
 X\_7\_46 + 8500 \* X\_7\_47 + 8500 \* X\_7\_48 + 8500 \* X\_7\_49 + 8500 \*  
 X\_7\_50 + 8500 \*  
 X\_7\_51 + 8500 \* X\_7\_52 + 8500 \* X\_7\_53 + 5800 \* X\_7\_54 + 5800 \*  
 X\_7\_55 + 5800 \*  
 X\_7\_56 + 8500 \* X\_7\_57 + 8500 \* X\_7\_58 + 5800 \* X\_7\_59 + 8500 \*  
 X\_7\_60 + 8500 \*  
 X\_7\_61 + 8500 \* X\_7\_62 + 5800 \* X\_7\_63 + 8500 \* X\_7\_64 + 8500 \*  
 X\_7\_65 + 8500 \*  
 X\_7\_66 + 8500 \* X\_7\_67 + 5800 \* X\_7\_68 + 8500 \* X\_7\_69 + 5800 \*  
 X\_7\_70 + 5800 \*  
 X\_7\_71 + 8500 \* X\_7\_72 + 8500 \* X\_7\_73 + 8500 \* X\_7\_74 + 5800 \*  
 X\_7\_75 + 8500 \*  
 X\_7\_76 + 5800 \* X\_7\_77 + 8500 \* X\_7\_78 + 8500 \* X\_7\_79 + 8500 \*  
 X\_7\_80 + 5800 \*  
 X\_7\_81 + 8500 \* X\_7\_82 + 8500 \* X\_7\_83 + 5800 \* X\_7\_84 + 8500 \*  
 X\_7\_85 + 8500 \*  
 X\_7\_86 + 8500 \* X\_7\_87 + 5800 \* X\_7\_88 + 5800 \* X\_7\_89 + 5800 \*  
 X\_7\_90 + 8500 \*  
 X\_7\_91 + 8500 \* X\_7\_92 + 8500 \* X\_7\_93 + 5800 \* X\_7\_94 + 8500 \*  
 X\_7\_95 + 8500 \*  
 X\_7\_96 + 8500 \* X\_7\_97 + 8500 \* X\_7\_98 + 5800 \* X\_7\_99 + 8500 \*  
 X\_7\_100 + 5800 \*  
 X\_7\_101 + 8500 \* X\_7\_102 + 8500 \* X\_7\_103 + 8500 \* X\_7\_104 + 8500 \*  
 X\_7\_105 + 8500  
 \* X\_7\_106 + 8500 \* X\_7\_107 + 5800 \* X\_7\_108 + 8500 \* X\_7\_109 + 5800 \*  
 X\_7\_110 +  
 8500 \* X\_7\_111 + 5800 \* X\_7\_112 + 8500 \* X\_7\_113 + 8500 \* X\_7\_114 +  
 8500 \* X\_7\_115  
 + 5800 \* X\_7\_116 + 5800 \* X\_7\_117 + 8500 \* X\_7\_118 + 8500 \* X\_7\_119 +  
 8500 \*



$X_7_{120} + 8500 * X_7_{121} + 8500 * X_7_{122} + 5800 * X_7_{123} + 8500 * X_7_{124} + 8500$   
 $* X_7_{125} + 5800 * X_7_{126} + 8500 * X_7_{127} + 8500 * X_7_{128} + 8500 * X_7_{129} +$   
 $5800 * X_7_{130} + 8500 * X_7_{131} + 8500 * X_7_{132} + 8500 * X_7_{133} + 8500 * X_7_{134}$   
 $+ 5800 * X_7_{135} + 5800 * X_7_{136} + 8500 * X_7_{137} + 5800 * X_7_{138} + 5800 *$   
 $X_7_{139} + 8500 * X_7_{140} + 8500 * X_7_{141} + 8500 * X_7_{142} + 8500 * X_7_{143} + 8500$   
 $* X_7_{144} + 5800 * X_7_{145} + 8500 * X_7_{146} + 8500 * X_7_{147} + 5800 * X_7_{148} +$   
 $8500 * X_7_{149} + 8500 * X_7_{150} + 8500 * X_7_{151} + 5800 * X_7_{152} + 8500 * X_7_{153}$   
 $+ 8500 * X_7_{154} + 8500 * X_7_{155} + 8500 * X_7_{156} + 5800 * X_7_{157} + 5800 *$   
 $X_7_{158} + 8500 * X_7_{159} + 8500 * X_7_{160} + 5800 * X_7_{161} + 5800 * X_7_{162} + 8500$   
 $* X_7_{163} + 8500 * X_7_{164} + 8500 * X_7_{165} + 8500 * X_7_{166} + 8500 * X_7_{167} +$   
 $5800 * X_7_{168} + 5800 * X_7_{169} + 5800 * X_7_{170} + 8500 * X_7_{171} + 8500 * X_7_{172}$   
 $+ 8500 * X_7_{173} + 8500 * X_7_{174} + 8500 * X_7_{175} + 8500 * X_7_{176} + 8500 *$   
 $X_7_{177} + 8500 * X_7_{178} + 8500 * X_7_{179} + 5800 * X_7_{180} + 8500 * X_7_{181} + 5800$   
 $* X_7_{182} + 8500 * X_7_{183} + 5800 * X_7_{184} + 8500 * X_7_{185} + 5800 * X_7_{186} +$   
 $8500 * X_7_{187} + 8500 * X_7_{188} + 8500 * X_7_{189} + 5800 * X_7_{190} + 8500 * X_7_{191}$   
 $+ 8500 * X_7_{192} + 8500 * X_7_{193} + 8500 * X_7_{194} + 5800 * X_7_{195} + 8500 *$   
 $X_7_{196} + 8500 * X_7_{197} + 5800 * X_7_{198} + 5800 * X_7_{199} + 8500 * X_7_{200} + 8500$   
 $* X_7_{201} + 8500 * X_7_{202} + 8500 * X_7_{203} + 8500 * X_7_{204} + 5800 * X_7_{205} +$   
 $5800 * X_7_{206} + 8500 * X_7_{207} + 8500 * X_7_{208} + 5800 * X_7_{209} + 8500 * X_7_{210}$   
 $+ 5800 * X_7_{211} + 8500 * X_7_{212} + 8500 * X_7_{213} + 8500 * X_7_{214} + 8500 *$   
 $X_7_{215} + 8500 * X_7_{216} + 8500 * X_7_{217} + 8500 * X_7_{218} + 5800 * X_7_{219} + 5800$   
 $* X_7_{220} + 8500 * X_7_{221} + 8500 * X_7_{222} + 8500 * X_7_{223} + 5800 * X_7_{224} +$   
 $8500 * X_7_{225} + 5800 * X_7_{226} + 8500 * X_7_{227} + 8500 * X_7_{228} + 5800 * X_7_{229}$   
 $+ 8500 * X_7_{230} + 8500 * X_7_{231} + 8500 * X_7_{232} + 8500 * X_7_{233} + 5800 *$   
 $X_7_{234} + 8500 * X_7_{235} + 8500 * X_7_{236} + 8500 * X_7_{237} + 5800 * X_7_{238} + 8500$   
 $* X_7_{239} + 5800 * X_7_{240} - \text{PAGATOTAL}_7 = 0;$   
 $[_{1767}] 7000 * X_8_1 + 7000 * X_8_2 + 7000 * X_8_3 + 7000 * X_8_4 + 4300 * X_8_5 +$   
 $4300 * X_8_6 + 4300 * X_8_7 + 7000 * X_8_8 + 7000 * X_8_9 + 4300 * X_8_{10} + 7000 *$   
 $X_8_{11} + 7000 * X_8_{12} + 7000 * X_8_{13} + 7000 * X_8_{14} + 7000 * X_8_{15} + 4300 *$

$X_{8\_16} + 7000 * X_{8\_17} + 7000 * X_{8\_18} + 7000 * X_{8\_19} + 7000 * X_{8\_20} + 7000 *$   
 $X_{8\_21} + 4300 * X_{8\_22} + 4300 * X_{8\_23} + 4300 * X_{8\_24} + 7000 * X_{8\_25} + 4300 *$   
 $X_{8\_26} + 7000 * X_{8\_27} + 7000 * X_{8\_28} + 7000 * X_{8\_29} + 7000 * X_{8\_30} + 4300 *$   
 $X_{8\_31} + 7000 * X_{8\_32} + 7000 * X_{8\_33} + 7000 * X_{8\_34} + 7000 * X_{8\_35} + 7000 *$   
 $X_{8\_36} + 7000 * X_{8\_37} + 4300 * X_{8\_38} + 4300 * X_{8\_39} + 4300 * X_{8\_40} + 4300 *$   
 $X_{8\_41} + 4300 * X_{8\_42} + 7000 * X_{8\_43} + 7000 * X_{8\_44} + 7000 * X_{8\_45} + 7000 *$   
 $X_{8\_46} + 7000 * X_{8\_47} + 7000 * X_{8\_48} + 7000 * X_{8\_49} + 7000 * X_{8\_50} + 7000 *$   
 $X_{8\_51} + 7000 * X_{8\_52} + 7000 * X_{8\_53} + 4300 * X_{8\_54} + 4300 * X_{8\_55} + 4300 *$   
 $X_{8\_56} + 7000 * X_{8\_57} + 7000 * X_{8\_58} + 4300 * X_{8\_59} + 7000 * X_{8\_60} + 7000 *$   
 $X_{8\_61} + 7000 * X_{8\_62} + 4300 * X_{8\_63} + 7000 * X_{8\_64} + 7000 * X_{8\_65} + 7000 *$   
 $X_{8\_66} + 7000 * X_{8\_67} + 4300 * X_{8\_68} + 7000 * X_{8\_69} + 4300 * X_{8\_70} + 4300 *$   
 $X_{8\_71} + 7000 * X_{8\_72} + 7000 * X_{8\_73} + 7000 * X_{8\_74} + 4300 * X_{8\_75} + 7000 *$   
 $X_{8\_76} + 4300 * X_{8\_77} + 7000 * X_{8\_78} + 7000 * X_{8\_79} + 7000 * X_{8\_80} + 4300 *$   
 $X_{8\_81} + 7000 * X_{8\_82} + 7000 * X_{8\_83} + 4300 * X_{8\_84} + 7000 * X_{8\_85} + 7000 *$   
 $X_{8\_86} + 7000 * X_{8\_87} + 4300 * X_{8\_88} + 4300 * X_{8\_89} + 4300 * X_{8\_90} + 7000 *$   
 $X_{8\_91} + 7000 * X_{8\_92} + 7000 * X_{8\_93} + 4300 * X_{8\_94} + 7000 * X_{8\_95} + 7000 *$   
 $X_{8\_96} + 7000 * X_{8\_97} + 7000 * X_{8\_98} + 4300 * X_{8\_99} + 7000 * X_{8\_100} + 4300 *$   
 $X_{8\_101} + 7000 * X_{8\_102} + 7000 * X_{8\_103} + 7000 * X_{8\_104} + 7000 * X_{8\_105} + 7000$   
 $* X_{8\_106} + 7000 * X_{8\_107} + 4300 * X_{8\_108} + 7000 * X_{8\_109} + 4300 * X_{8\_110} +$   
 $7000 * X_{8\_111} + 4300 * X_{8\_112} + 7000 * X_{8\_113} + 7000 * X_{8\_114} + 7000 * X_{8\_115}$   
 $+ 4300 * X_{8\_116} + 4300 * X_{8\_117} + 7000 * X_{8\_118} + 7000 * X_{8\_119} + 7000 *$   
 $X_{8\_120} + 7000 * X_{8\_121} + 7000 * X_{8\_122} + 4300 * X_{8\_123} + 7000 * X_{8\_124} + 7000$   
 $* X_{8\_125} + 4300 * X_{8\_126} + 7000 * X_{8\_127} + 7000 * X_{8\_128} + 7000 * X_{8\_129} +$   
 $4300 * X_{8\_130} + 7000 * X_{8\_131} + 7000 * X_{8\_132} + 7000 * X_{8\_133} + 7000 * X_{8\_134}$   
 $+ 4300 * X_{8\_135} + 4300 * X_{8\_136} + 7000 * X_{8\_137} + 4300 * X_{8\_138} + 4300 *$   
 $X_{8\_139} + 7000 * X_{8\_140} + 7000 * X_{8\_141} + 7000 * X_{8\_142} + 7000 * X_{8\_143} + 7000$   
 $* X_{8\_144} + 4300 * X_{8\_145} + 7000 * X_{8\_146} + 7000 * X_{8\_147} + 4300 * X_{8\_148} +$   
 $7000 * X_{8\_149} + 7000 * X_{8\_150} + 7000 * X_{8\_151} + 4300 * X_{8\_152} + 7000 * X_{8\_153}$

+ 7000 \* X\_8\_154 + 7000 \* X\_8\_155 + 7000 \* X\_8\_156 + 4300 \* X\_8\_157 +  
 4300 \*  
 X\_8\_158 + 7000 \* X\_8\_159 + 7000 \* X\_8\_160 + 4300 \* X\_8\_161 + 4300 \*  
 X\_8\_162 + 7000  
 \* X\_8\_163 + 7000 \* X\_8\_164 + 7000 \* X\_8\_165 + 7000 \* X\_8\_166 + 7000 \*  
 X\_8\_167 +  
 4300 \* X\_8\_168 + 4300 \* X\_8\_169 + 4300 \* X\_8\_170 + 7000 \* X\_8\_171 +  
 7000 \* X\_8\_172  
 + 7000 \* X\_8\_173 + 7000 \* X\_8\_174 + 7000 \* X\_8\_175 + 7000 \* X\_8\_176 +  
 7000 \*  
 X\_8\_177 + 7000 \* X\_8\_178 + 7000 \* X\_8\_179 + 4300 \* X\_8\_180 + 7000 \*  
 X\_8\_181 + 4300  
 \* X\_8\_182 + 7000 \* X\_8\_183 + 4300 \* X\_8\_184 + 7000 \* X\_8\_185 + 4300 \*  
 X\_8\_186 +  
 7000 \* X\_8\_187 + 7000 \* X\_8\_188 + 7000 \* X\_8\_189 + 4300 \* X\_8\_190 +  
 7000 \* X\_8\_191  
 + 7000 \* X\_8\_192 + 7000 \* X\_8\_193 + 7000 \* X\_8\_194 + 4300 \* X\_8\_195 +  
 7000 \*  
 X\_8\_196 + 7000 \* X\_8\_197 + 4300 \* X\_8\_198 + 4300 \* X\_8\_199 + 7000 \*  
 X\_8\_200 + 7000  
 \* X\_8\_201 + 7000 \* X\_8\_202 + 7000 \* X\_8\_203 + 7000 \* X\_8\_204 + 4300 \*  
 X\_8\_205 +  
 4300 \* X\_8\_206 + 7000 \* X\_8\_207 + 7000 \* X\_8\_208 + 4300 \* X\_8\_209 +  
 7000 \* X\_8\_210  
 + 4300 \* X\_8\_211 + 7000 \* X\_8\_212 + 7000 \* X\_8\_213 + 7000 \* X\_8\_214 +  
 7000 \*  
 X\_8\_215 + 7000 \* X\_8\_216 + 7000 \* X\_8\_217 + 7000 \* X\_8\_218 + 4300 \*  
 X\_8\_219 + 4300  
 \* X\_8\_220 + 7000 \* X\_8\_221 + 7000 \* X\_8\_222 + 7000 \* X\_8\_223 + 4300 \*  
 X\_8\_224 +  
 7000 \* X\_8\_225 + 4300 \* X\_8\_226 + 7000 \* X\_8\_227 + 7000 \* X\_8\_228 +  
 4300 \* X\_8\_229  
 + 7000 \* X\_8\_230 + 7000 \* X\_8\_231 + 7000 \* X\_8\_232 + 7000 \* X\_8\_233 +  
 4300 \*  
 X\_8\_234 + 7000 \* X\_8\_235 + 7000 \* X\_8\_236 + 7000 \* X\_8\_237 + 4300 \*  
 X\_8\_238 + 7000  
 \* X\_8\_239 + 4300 \* X\_8\_240 - PAGATOTAL\_8 = 0;  
 [\_1768] 7000 \* X\_9\_1 + 7000 \* X\_9\_2 + 7000 \* X\_9\_3 + 7000 \* X\_9\_4 +  
 4300 \* X\_9\_5 +  
 4300 \* X\_9\_6 + 4300 \* X\_9\_7 + 7000 \* X\_9\_8 + 7000 \* X\_9\_9 + 4300 \*  
 X\_9\_10 + 7000 \*  
 X\_9\_11 + 7000 \* X\_9\_12 + 7000 \* X\_9\_13 + 7000 \* X\_9\_14 + 7000 \*  
 X\_9\_15 + 4300 \*  
 X\_9\_16 + 7000 \* X\_9\_17 + 7000 \* X\_9\_18 + 7000 \* X\_9\_19 + 7000 \*  
 X\_9\_20 + 7000 \*  
 X\_9\_21 + 4300 \* X\_9\_22 + 4300 \* X\_9\_23 + 4300 \* X\_9\_24 + 7000 \*  
 X\_9\_25 + 4300 \*  
 X\_9\_26 + 7000 \* X\_9\_27 + 7000 \* X\_9\_28 + 7000 \* X\_9\_29 + 7000 \*  
 X\_9\_30 + 4300 \*  
 X\_9\_31 + 7000 \* X\_9\_32 + 7000 \* X\_9\_33 + 7000 \* X\_9\_34 + 7000 \*  
 X\_9\_35 + 7000 \*  
 X\_9\_36 + 7000 \* X\_9\_37 + 4300 \* X\_9\_38 + 4300 \* X\_9\_39 + 4300 \*  
 X\_9\_40 + 4300 \*  
 X\_9\_41 + 4300 \* X\_9\_42 + 7000 \* X\_9\_43 + 7000 \* X\_9\_44 + 7000 \*  
 X\_9\_45 + 7000 \*  
 X\_9\_46 + 7000 \* X\_9\_47 + 7000 \* X\_9\_48 + 7000 \* X\_9\_49 + 7000 \*  
 X\_9\_50 + 7000 \*

$X_{9\_51} + 7000 * X_{9\_52} + 7000 * X_{9\_53} + 4300 * X_{9\_54} + 4300 * X_{9\_55} + 4300 * X_{9\_56} + 7000 * X_{9\_57} + 7000 * X_{9\_58} + 4300 * X_{9\_59} + 7000 * X_{9\_60} + 7000 * X_{9\_61} + 7000 * X_{9\_62} + 4300 * X_{9\_63} + 7000 * X_{9\_64} + 7000 * X_{9\_65} + 7000 * X_{9\_66} + 7000 * X_{9\_67} + 4300 * X_{9\_68} + 7000 * X_{9\_69} + 4300 * X_{9\_70} + 4300 * X_{9\_71} + 7000 * X_{9\_72} + 7000 * X_{9\_73} + 7000 * X_{9\_74} + 4300 * X_{9\_75} + 7000 * X_{9\_76} + 4300 * X_{9\_77} + 7000 * X_{9\_78} + 7000 * X_{9\_79} + 7000 * X_{9\_80} + 4300 * X_{9\_81} + 7000 * X_{9\_82} + 7000 * X_{9\_83} + 4300 * X_{9\_84} + 7000 * X_{9\_85} + 7000 * X_{9\_86} + 7000 * X_{9\_87} + 4300 * X_{9\_88} + 4300 * X_{9\_89} + 4300 * X_{9\_90} + 7000 * X_{9\_91} + 7000 * X_{9\_92} + 7000 * X_{9\_93} + 4300 * X_{9\_94} + 7000 * X_{9\_95} + 7000 * X_{9\_96} + 7000 * X_{9\_97} + 7000 * X_{9\_98} + 4300 * X_{9\_99} + 7000 * X_{9\_100} + 4300 * X_{9\_101} + 7000 * X_{9\_102} + 7000 * X_{9\_103} + 7000 * X_{9\_104} + 7000 * X_{9\_105} + 7000 * X_{9\_106} + 7000 * X_{9\_107} + 4300 * X_{9\_108} + 7000 * X_{9\_109} + 4300 * X_{9\_110} + 7000 * X_{9\_111} + 4300 * X_{9\_112} + 7000 * X_{9\_113} + 7000 * X_{9\_114} + 7000 * X_{9\_115} + 4300 * X_{9\_116} + 4300 * X_{9\_117} + 7000 * X_{9\_118} + 7000 * X_{9\_119} + 7000 * X_{9\_120} + 7000 * X_{9\_121} + 7000 * X_{9\_122} + 4300 * X_{9\_123} + 7000 * X_{9\_124} + 7000 * X_{9\_125} + 4300 * X_{9\_126} + 7000 * X_{9\_127} + 7000 * X_{9\_128} + 7000 * X_{9\_129} + 4300 * X_{9\_130} + 7000 * X_{9\_131} + 7000 * X_{9\_132} + 7000 * X_{9\_133} + 7000 * X_{9\_134} + 4300 * X_{9\_135} + 4300 * X_{9\_136} + 7000 * X_{9\_137} + 4300 * X_{9\_138} + 4300 * X_{9\_139} + 7000 * X_{9\_140} + 7000 * X_{9\_141} + 7000 * X_{9\_142} + 7000 * X_{9\_143} + 7000 * X_{9\_144} + 4300 * X_{9\_145} + 7000 * X_{9\_146} + 7000 * X_{9\_147} + 4300 * X_{9\_148} + 7000 * X_{9\_149} + 7000 * X_{9\_150} + 7000 * X_{9\_151} + 4300 * X_{9\_152} + 7000 * X_{9\_153} + 7000 * X_{9\_154} + 7000 * X_{9\_155} + 7000 * X_{9\_156} + 4300 * X_{9\_157} + 4300 * X_{9\_158} + 7000 * X_{9\_159} + 7000 * X_{9\_160} + 4300 * X_{9\_161} + 4300 * X_{9\_162} + 7000 * X_{9\_163} + 7000 * X_{9\_164} + 7000 * X_{9\_165} + 7000 * X_{9\_166} + 7000 * X_{9\_167} + 4300 * X_{9\_168} + 4300 * X_{9\_169} + 4300 * X_{9\_170} + 7000 * X_{9\_171} + 7000 * X_{9\_172} + 7000 * X_{9\_173} + 7000 * X_{9\_174} + 7000 * X_{9\_175} + 7000 * X_{9\_176} + 7000 * X_{9\_177} + 7000 * X_{9\_178} + 7000 * X_{9\_179} + 4300 * X_{9\_180} + 7000 * X_{9\_181} + 4300 * X_{9\_182} + 7000 * X_{9\_183} + 4300 * X_{9\_184} + 7000 * X_{9\_185} + 4300 * X_{9\_186} +$

7000 \* X\_9\_187 + 7000 \* X\_9\_188 + 7000 \* X\_9\_189 + 4300 \* X\_9\_190 +  
 7000 \* X\_9\_191  
 + 7000 \* X\_9\_192 + 7000 \* X\_9\_193 + 7000 \* X\_9\_194 + 4300 \* X\_9\_195 +  
 7000 \*  
 X\_9\_196 + 7000 \* X\_9\_197 + 4300 \* X\_9\_198 + 4300 \* X\_9\_199 + 7000 \*  
 X\_9\_200 + 7000  
 \* X\_9\_201 + 7000 \* X\_9\_202 + 7000 \* X\_9\_203 + 7000 \* X\_9\_204 + 4300 \*  
 X\_9\_205 +  
 4300 \* X\_9\_206 + 7000 \* X\_9\_207 + 7000 \* X\_9\_208 + 4300 \* X\_9\_209 +  
 7000 \* X\_9\_210  
 + 4300 \* X\_9\_211 + 7000 \* X\_9\_212 + 7000 \* X\_9\_213 + 7000 \* X\_9\_214 +  
 7000 \*  
 X\_9\_215 + 7000 \* X\_9\_216 + 7000 \* X\_9\_217 + 7000 \* X\_9\_218 + 4300 \*  
 X\_9\_219 + 4300  
 \* X\_9\_220 + 7000 \* X\_9\_221 + 7000 \* X\_9\_222 + 7000 \* X\_9\_223 + 4300 \*  
 X\_9\_224 +  
 7000 \* X\_9\_225 + 4300 \* X\_9\_226 + 7000 \* X\_9\_227 + 7000 \* X\_9\_228 +  
 4300 \* X\_9\_229  
 + 7000 \* X\_9\_230 + 7000 \* X\_9\_231 + 7000 \* X\_9\_232 + 7000 \* X\_9\_233 +  
 4300 \*  
 X\_9\_234 + 7000 \* X\_9\_235 + 7000 \* X\_9\_236 + 7000 \* X\_9\_237 + 4300 \*  
 X\_9\_238 + 7000  
 \* X\_9\_239 + 4300 \* X\_9\_240 - PAGATOTAL\_9 = 0;  
 [\_1769] 7000 \* X\_10\_1 + 7000 \* X\_10\_2 + 7000 \* X\_10\_3 + 7000 \* X\_10\_4  
 + 4300 \*  
 X\_10\_5 + 4300 \* X\_10\_6 + 4300 \* X\_10\_7 + 7000 \* X\_10\_8 + 7000 \*  
 X\_10\_9 + 4300 \*  
 X\_10\_10 + 7000 \* X\_10\_11 + 7000 \* X\_10\_12 + 7000 \* X\_10\_13 + 7000 \*  
 X\_10\_14 + 7000  
 \* X\_10\_15 + 4300 \* X\_10\_16 + 7000 \* X\_10\_17 + 7000 \* X\_10\_18 + 7000 \*  
 X\_10\_19 +  
 7000 \* X\_10\_20 + 7000 \* X\_10\_21 + 4300 \* X\_10\_22 + 4300 \* X\_10\_23 +  
 4300 \* X\_10\_24  
 + 7000 \* X\_10\_25 + 4300 \* X\_10\_26 + 7000 \* X\_10\_27 + 7000 \* X\_10\_28 +  
 7000 \*  
 X\_10\_29 + 7000 \* X\_10\_30 + 4300 \* X\_10\_31 + 7000 \* X\_10\_32 + 7000 \*  
 X\_10\_33 + 7000  
 \* X\_10\_34 + 7000 \* X\_10\_35 + 7000 \* X\_10\_36 + 7000 \* X\_10\_37 + 4300 \*  
 X\_10\_38 +  
 4300 \* X\_10\_39 + 4300 \* X\_10\_40 + 4300 \* X\_10\_41 + 4300 \* X\_10\_42 +  
 7000 \* X\_10\_43  
 + 7000 \* X\_10\_44 + 7000 \* X\_10\_45 + 7000 \* X\_10\_46 + 7000 \* X\_10\_47 +  
 7000 \*  
 X\_10\_48 + 7000 \* X\_10\_49 + 7000 \* X\_10\_50 + 7000 \* X\_10\_51 + 7000 \*  
 X\_10\_52 + 7000  
 \* X\_10\_53 + 4300 \* X\_10\_54 + 4300 \* X\_10\_55 + 4300 \* X\_10\_56 + 7000 \*  
 X\_10\_57 +  
 7000 \* X\_10\_58 + 4300 \* X\_10\_59 + 7000 \* X\_10\_60 + 7000 \* X\_10\_61 +  
 7000 \* X\_10\_62  
 + 4300 \* X\_10\_63 + 7000 \* X\_10\_64 + 7000 \* X\_10\_65 + 7000 \* X\_10\_66 +  
 7000 \*  
 X\_10\_67 + 4300 \* X\_10\_68 + 7000 \* X\_10\_69 + 4300 \* X\_10\_70 + 4300 \*  
 X\_10\_71 + 7000  
 \* X\_10\_72 + 7000 \* X\_10\_73 + 7000 \* X\_10\_74 + 4300 \* X\_10\_75 + 7000 \*  
 X\_10\_76 +  
 4300 \* X\_10\_77 + 7000 \* X\_10\_78 + 7000 \* X\_10\_79 + 7000 \* X\_10\_80 +  
 4300 \* X\_10\_81

+ 7000 \* X\_10\_82 + 7000 \* X\_10\_83 + 4300 \* X\_10\_84 + 7000 \* X\_10\_85 +  
 7000 \*  
 X\_10\_86 + 7000 \* X\_10\_87 + 4300 \* X\_10\_88 + 4300 \* X\_10\_89 + 4300 \*  
 X\_10\_90 + 7000  
 \* X\_10\_91 + 7000 \* X\_10\_92 + 7000 \* X\_10\_93 + 4300 \* X\_10\_94 + 7000 \*  
 X\_10\_95 +  
 7000 \* X\_10\_96 + 7000 \* X\_10\_97 + 7000 \* X\_10\_98 + 4300 \* X\_10\_99 +  
 7000 \*  
 X\_10\_100 + 4300 \* X\_10\_101 + 7000 \* X\_10\_102 + 7000 \* X\_10\_103 + 7000  
 \* X\_10\_104 +  
 7000 \* X\_10\_105 + 7000 \* X\_10\_106 + 7000 \* X\_10\_107 + 4300 \* X\_10\_108  
 + 7000 \*  
 X\_10\_109 + 4300 \* X\_10\_110 + 7000 \* X\_10\_111 + 4300 \* X\_10\_112 + 7000  
 \* X\_10\_113 +  
 7000 \* X\_10\_114 + 7000 \* X\_10\_115 + 4300 \* X\_10\_116 + 4300 \* X\_10\_117  
 + 7000 \*  
 X\_10\_118 + 7000 \* X\_10\_119 + 7000 \* X\_10\_120 + 7000 \* X\_10\_121 + 7000  
 \* X\_10\_122 +  
 4300 \* X\_10\_123 + 7000 \* X\_10\_124 + 7000 \* X\_10\_125 + 4300 \* X\_10\_126  
 + 7000 \*  
 X\_10\_127 + 7000 \* X\_10\_128 + 7000 \* X\_10\_129 + 4300 \* X\_10\_130 + 7000  
 \* X\_10\_131 +  
 7000 \* X\_10\_132 + 7000 \* X\_10\_133 + 7000 \* X\_10\_134 + 4300 \* X\_10\_135  
 + 4300 \*  
 X\_10\_136 + 7000 \* X\_10\_137 + 4300 \* X\_10\_138 + 4300 \* X\_10\_139 + 7000  
 \* X\_10\_140 +  
 7000 \* X\_10\_141 + 7000 \* X\_10\_142 + 7000 \* X\_10\_143 + 7000 \* X\_10\_144  
 + 4300 \*  
 X\_10\_145 + 7000 \* X\_10\_146 + 7000 \* X\_10\_147 + 4300 \* X\_10\_148 + 7000  
 \* X\_10\_149 +  
 7000 \* X\_10\_150 + 7000 \* X\_10\_151 + 4300 \* X\_10\_152 + 7000 \* X\_10\_153  
 + 7000 \*  
 X\_10\_154 + 7000 \* X\_10\_155 + 7000 \* X\_10\_156 + 4300 \* X\_10\_157 + 4300  
 \* X\_10\_158 +  
 7000 \* X\_10\_159 + 7000 \* X\_10\_160 + 4300 \* X\_10\_161 + 4300 \* X\_10\_162  
 + 7000 \*  
 X\_10\_163 + 7000 \* X\_10\_164 + 7000 \* X\_10\_165 + 7000 \* X\_10\_166 + 7000  
 \* X\_10\_167 +  
 4300 \* X\_10\_168 + 4300 \* X\_10\_169 + 4300 \* X\_10\_170 + 7000 \* X\_10\_171  
 + 7000 \*  
 X\_10\_172 + 7000 \* X\_10\_173 + 7000 \* X\_10\_174 + 7000 \* X\_10\_175 + 7000  
 \* X\_10\_176 +  
 7000 \* X\_10\_177 + 7000 \* X\_10\_178 + 7000 \* X\_10\_179 + 4300 \* X\_10\_180  
 + 7000 \*  
 X\_10\_181 + 4300 \* X\_10\_182 + 7000 \* X\_10\_183 + 4300 \* X\_10\_184 + 7000  
 \* X\_10\_185 +  
 4300 \* X\_10\_186 + 7000 \* X\_10\_187 + 7000 \* X\_10\_188 + 7000 \* X\_10\_189  
 + 4300 \*  
 X\_10\_190 + 7000 \* X\_10\_191 + 7000 \* X\_10\_192 + 7000 \* X\_10\_193 + 7000  
 \* X\_10\_194 +  
 4300 \* X\_10\_195 + 7000 \* X\_10\_196 + 7000 \* X\_10\_197 + 4300 \* X\_10\_198  
 + 4300 \*  
 X\_10\_199 + 7000 \* X\_10\_200 + 7000 \* X\_10\_201 + 7000 \* X\_10\_202 + 7000  
 \* X\_10\_203 +  
 7000 \* X\_10\_204 + 4300 \* X\_10\_205 + 4300 \* X\_10\_206 + 7000 \* X\_10\_207  
 + 7000 \*

$X_{10\_208} + 4300 * X_{10\_209} + 7000 * X_{10\_210} + 4300 * X_{10\_211} + 7000$   
 $* X_{10\_212} +$   
 $7000 * X_{10\_213} + 7000 * X_{10\_214} + 7000 * X_{10\_215} + 7000 * X_{10\_216$   
 $+ 7000 * X_{10\_217} + 7000 * X_{10\_218} + 4300 * X_{10\_219} + 4300 * X_{10\_220} + 7000$   
 $* X_{10\_221} +$   
 $7000 * X_{10\_222} + 7000 * X_{10\_223} + 4300 * X_{10\_224} + 7000 * X_{10\_225$   
 $+ 4300 * X_{10\_226} + 7000 * X_{10\_227} + 7000 * X_{10\_228} + 4300 * X_{10\_229} + 7000$   
 $* X_{10\_230} +$   
 $7000 * X_{10\_231} + 7000 * X_{10\_232} + 7000 * X_{10\_233} + 4300 * X_{10\_234$   
 $+ 7000 * X_{10\_235} + 7000 * X_{10\_236} + 7000 * X_{10\_237} + 4300 * X_{10\_238} + 7000$   
 $* X_{10\_239} +$   
 $4300 * X_{10\_240} - \text{PAGATOTAL}_{10} = 0;$   
 $[_{1770}] 7000 * X_{11\_1} + 7000 * X_{11\_2} + 7000 * X_{11\_3} + 7000 * X_{11\_4}$   
 $+ 4300 * X_{11\_5} + 4300 * X_{11\_6} + 4300 * X_{11\_7} + 7000 * X_{11\_8} + 7000 * X_{11\_9} + 4300 * X_{11\_10} + 7000 * X_{11\_11} + 7000 * X_{11\_12} + 7000 * X_{11\_13} + 7000 * X_{11\_14} + 7000 * X_{11\_15} + 4300 * X_{11\_16} + 7000 * X_{11\_17} + 7000 * X_{11\_18} + 7000 * X_{11\_19} + 7000 * X_{11\_20} + 7000 * X_{11\_21} + 4300 * X_{11\_22} + 4300 * X_{11\_23} + 4300 * X_{11\_24} + 7000 * X_{11\_25} + 4300 * X_{11\_26} + 7000 * X_{11\_27} + 7000 * X_{11\_28} + 7000 * X_{11\_29} + 7000 * X_{11\_30} + 4300 * X_{11\_31} + 7000 * X_{11\_32} + 7000 * X_{11\_33} + 7000 * X_{11\_34} + 7000 * X_{11\_35} + 7000 * X_{11\_36} + 7000 * X_{11\_37} + 4300 * X_{11\_38} + 4300 * X_{11\_39} + 4300 * X_{11\_40} + 4300 * X_{11\_41} + 4300 * X_{11\_42} + 7000 * X_{11\_43} + 7000 * X_{11\_44} + 7000 * X_{11\_45} + 7000 * X_{11\_46} + 7000 * X_{11\_47} + 7000 * X_{11\_48} + 7000 * X_{11\_49} + 7000 * X_{11\_50} + 7000 * X_{11\_51} + 7000 * X_{11\_52} + 7000 * X_{11\_53} + 4300 * X_{11\_54} + 4300 * X_{11\_55} + 4300 * X_{11\_56} + 7000 * X_{11\_57} + 7000 * X_{11\_58} + 4300 * X_{11\_59} + 7000 * X_{11\_60} + 7000 * X_{11\_61} + 7000 * X_{11\_62} + 4300 * X_{11\_63} + 7000 * X_{11\_64} + 7000 * X_{11\_65} + 7000 * X_{11\_66} + 7000 * X_{11\_67} + 4300 * X_{11\_68} + 7000 * X_{11\_69} + 4300 * X_{11\_70} + 4300 * X_{11\_71} + 7000 * X_{11\_72} + 7000 * X_{11\_73} + 7000 * X_{11\_74} + 4300 * X_{11\_75} + 7000 * X_{11\_76} + 4300 * X_{11\_77} + 7000 * X_{11\_78} + 7000 * X_{11\_79} + 7000 * X_{11\_80} + 4300 * X_{11\_81} + 7000 * X_{11\_82} + 7000 * X_{11\_83} + 4300 * X_{11\_84} + 7000 * X_{11\_85} + 7000 * X_{11\_86} + 7000 * X_{11\_87} + 4300 * X_{11\_88} + 4300 * X_{11\_89} + 4300 * X_{11\_90} + 7000 * X_{11\_91} + 7000 * X_{11\_92} + 7000 * X_{11\_93} + 4300 * X_{11\_94} + 7000 * X_{11\_95} + 7000 * X_{11\_96} + 7000 * X_{11\_97} + 7000 * X_{11\_98} + 4300 * X_{11\_99} + 7000 *$

$X_{11\_100} + 4300 * X_{11\_101} + 7000 * X_{11\_102} + 7000 * X_{11\_103} + 7000$   
 $* X_{11\_104} +$   
 $7000 * X_{11\_105} + 7000 * X_{11\_106} + 7000 * X_{11\_107} + 4300 * X_{11\_108}$   
 $+ 7000 *$   
 $X_{11\_109} + 4300 * X_{11\_110} + 7000 * X_{11\_111} + 4300 * X_{11\_112} + 7000$   
 $* X_{11\_113} +$   
 $7000 * X_{11\_114} + 7000 * X_{11\_115} + 4300 * X_{11\_116} + 4300 * X_{11\_117}$   
 $+ 7000 *$   
 $X_{11\_118} + 7000 * X_{11\_119} + 7000 * X_{11\_120} + 7000 * X_{11\_121} + 7000$   
 $* X_{11\_122} +$   
 $4300 * X_{11\_123} + 7000 * X_{11\_124} + 7000 * X_{11\_125} + 4300 * X_{11\_126}$   
 $+ 7000 *$   
 $X_{11\_127} + 7000 * X_{11\_128} + 7000 * X_{11\_129} + 4300 * X_{11\_130} + 7000$   
 $* X_{11\_131} +$   
 $7000 * X_{11\_132} + 7000 * X_{11\_133} + 7000 * X_{11\_134} + 4300 * X_{11\_135}$   
 $+ 4300 *$   
 $X_{11\_136} + 7000 * X_{11\_137} + 4300 * X_{11\_138} + 4300 * X_{11\_139} + 7000$   
 $* X_{11\_140} +$   
 $7000 * X_{11\_141} + 7000 * X_{11\_142} + 7000 * X_{11\_143} + 7000 * X_{11\_144}$   
 $+ 4300 *$   
 $X_{11\_145} + 7000 * X_{11\_146} + 7000 * X_{11\_147} + 4300 * X_{11\_148} + 7000$   
 $* X_{11\_149} +$   
 $7000 * X_{11\_150} + 7000 * X_{11\_151} + 4300 * X_{11\_152} + 7000 * X_{11\_153}$   
 $+ 7000 *$   
 $X_{11\_154} + 7000 * X_{11\_155} + 7000 * X_{11\_156} + 4300 * X_{11\_157} + 4300$   
 $* X_{11\_158} +$   
 $7000 * X_{11\_159} + 7000 * X_{11\_160} + 4300 * X_{11\_161} + 4300 * X_{11\_162}$   
 $+ 7000 *$   
 $X_{11\_163} + 7000 * X_{11\_164} + 7000 * X_{11\_165} + 7000 * X_{11\_166} + 7000$   
 $* X_{11\_167} +$   
 $4300 * X_{11\_168} + 4300 * X_{11\_169} + 4300 * X_{11\_170} + 7000 * X_{11\_171}$   
 $+ 7000 *$   
 $X_{11\_172} + 7000 * X_{11\_173} + 7000 * X_{11\_174} + 7000 * X_{11\_175} + 7000$   
 $* X_{11\_176} +$   
 $7000 * X_{11\_177} + 7000 * X_{11\_178} + 7000 * X_{11\_179} + 4300 * X_{11\_180}$   
 $+ 7000 *$   
 $X_{11\_181} + 4300 * X_{11\_182} + 7000 * X_{11\_183} + 4300 * X_{11\_184} + 7000$   
 $* X_{11\_185} +$   
 $4300 * X_{11\_186} + 7000 * X_{11\_187} + 7000 * X_{11\_188} + 7000 * X_{11\_189}$   
 $+ 4300 *$   
 $X_{11\_190} + 7000 * X_{11\_191} + 7000 * X_{11\_192} + 7000 * X_{11\_193} + 7000$   
 $* X_{11\_194} +$   
 $4300 * X_{11\_195} + 7000 * X_{11\_196} + 7000 * X_{11\_197} + 4300 * X_{11\_198}$   
 $+ 4300 *$   
 $X_{11\_199} + 7000 * X_{11\_200} + 7000 * X_{11\_201} + 7000 * X_{11\_202} + 7000$   
 $* X_{11\_203} +$   
 $7000 * X_{11\_204} + 4300 * X_{11\_205} + 4300 * X_{11\_206} + 7000 * X_{11\_207}$   
 $+ 7000 *$   
 $X_{11\_208} + 4300 * X_{11\_209} + 7000 * X_{11\_210} + 4300 * X_{11\_211} + 7000$   
 $* X_{11\_212} +$   
 $7000 * X_{11\_213} + 7000 * X_{11\_214} + 7000 * X_{11\_215} + 7000 * X_{11\_216}$   
 $+ 7000 *$   
 $X_{11\_217} + 7000 * X_{11\_218} + 4300 * X_{11\_219} + 4300 * X_{11\_220} + 7000$   
 $* X_{11\_221} +$   
 $7000 * X_{11\_222} + 7000 * X_{11\_223} + 4300 * X_{11\_224} + 7000 * X_{11\_225}$   
 $+ 4300 *$



$X_{11\_226} + 7000 * X_{11\_227} + 7000 * X_{11\_228} + 4300 * X_{11\_229} + 7000$   
 $* X_{11\_230} +$   
 $7000 * X_{11\_231} + 7000 * X_{11\_232} + 7000 * X_{11\_233} + 4300 * X_{11\_234}$   
 $+ 7000 *$   
 $X_{11\_235} + 7000 * X_{11\_236} + 7000 * X_{11\_237} + 4300 * X_{11\_238} + 7000$   
 $* X_{11\_239} +$   
 $4300 * X_{11\_240} - \text{PAGATOTAL}_{11} = 0;$   
 $[_{1771}] 7300 * X_{12\_1} + 7300 * X_{12\_2} + 7300 * X_{12\_3} + 7300 * X_{12\_4}$   
 $+ 4600 *$   
 $X_{12\_5} + 4600 * X_{12\_6} + 4600 * X_{12\_7} + 7300 * X_{12\_8} + 7300 *$   
 $X_{12\_9} + 4600 *$   
 $X_{12\_10} + 7300 * X_{12\_11} + 7300 * X_{12\_12} + 7300 * X_{12\_13} + 7300 *$   
 $X_{12\_14} + 7300$   
 $* X_{12\_15} + 4600 * X_{12\_16} + 7300 * X_{12\_17} + 7300 * X_{12\_18} + 7300 *$   
 $X_{12\_19} +$   
 $7300 * X_{12\_20} + 7300 * X_{12\_21} + 4600 * X_{12\_22} + 4600 * X_{12\_23} +$   
 $4600 * X_{12\_24}$   
 $+ 7300 * X_{12\_25} + 4600 * X_{12\_26} + 7300 * X_{12\_27} + 7300 * X_{12\_28} +$   
 $7300 *$   
 $X_{12\_29} + 7300 * X_{12\_30} + 4600 * X_{12\_31} + 7300 * X_{12\_32} + 7300 *$   
 $X_{12\_33} + 7300$   
 $* X_{12\_34} + 7300 * X_{12\_35} + 7300 * X_{12\_36} + 7300 * X_{12\_37} + 4600 *$   
 $X_{12\_38} +$   
 $4600 * X_{12\_39} + 4600 * X_{12\_40} + 4600 * X_{12\_41} + 4600 * X_{12\_42} +$   
 $7300 * X_{12\_43}$   
 $+ 7300 * X_{12\_44} + 7300 * X_{12\_45} + 7300 * X_{12\_46} + 7300 * X_{12\_47} +$   
 $7300 *$   
 $X_{12\_48} + 7300 * X_{12\_49} + 7300 * X_{12\_50} + 7300 * X_{12\_51} + 7300 *$   
 $X_{12\_52} + 7300$   
 $* X_{12\_53} + 4600 * X_{12\_54} + 4600 * X_{12\_55} + 4600 * X_{12\_56} + 7300 *$   
 $X_{12\_57} +$   
 $7300 * X_{12\_58} + 4600 * X_{12\_59} + 7300 * X_{12\_60} + 7300 * X_{12\_61} +$   
 $7300 * X_{12\_62}$   
 $+ 4600 * X_{12\_63} + 7300 * X_{12\_64} + 7300 * X_{12\_65} + 7300 * X_{12\_66} +$   
 $7300 *$   
 $X_{12\_67} + 4600 * X_{12\_68} + 7300 * X_{12\_69} + 4600 * X_{12\_70} + 4600 *$   
 $X_{12\_71} + 7300$   
 $* X_{12\_72} + 7300 * X_{12\_73} + 7300 * X_{12\_74} + 4600 * X_{12\_75} + 7300 *$   
 $X_{12\_76} +$   
 $4600 * X_{12\_77} + 7300 * X_{12\_78} + 7300 * X_{12\_79} + 7300 * X_{12\_80} +$   
 $4600 * X_{12\_81}$   
 $+ 7300 * X_{12\_82} + 7300 * X_{12\_83} + 4600 * X_{12\_84} + 7300 * X_{12\_85} +$   
 $7300 *$   
 $X_{12\_86} + 7300 * X_{12\_87} + 4600 * X_{12\_88} + 4600 * X_{12\_89} + 4600 *$   
 $X_{12\_90} + 7300$   
 $* X_{12\_91} + 7300 * X_{12\_92} + 7300 * X_{12\_93} + 4600 * X_{12\_94} + 7300 *$   
 $X_{12\_95} +$   
 $7300 * X_{12\_96} + 7300 * X_{12\_97} + 7300 * X_{12\_98} + 4600 * X_{12\_99} +$   
 $7300 *$   
 $X_{12\_100} + 4600 * X_{12\_101} + 7300 * X_{12\_102} + 7300 * X_{12\_103} + 7300$   
 $* X_{12\_104} +$   
 $7300 * X_{12\_105} + 7300 * X_{12\_106} + 7300 * X_{12\_107} + 4600 * X_{12\_108}$   
 $+ 7300 *$   
 $X_{12\_109} + 4600 * X_{12\_110} + 7300 * X_{12\_111} + 4600 * X_{12\_112} + 7300$   
 $* X_{12\_113} +$   
 $7300 * X_{12\_114} + 7300 * X_{12\_115} + 4600 * X_{12\_116} + 4600 * X_{12\_117}$   
 $+ 7300 *$

$X_{12\_118} + 7300 * X_{12\_119} + 7300 * X_{12\_120} + 7300 * X_{12\_121} + 7300$   
 $* X_{12\_122} +$   
 $4600 * X_{12\_123} + 7300 * X_{12\_124} + 7300 * X_{12\_125} + 4600 * X_{12\_126}$   
 $+ 7300 * X_{12\_127} + 7300 * X_{12\_128} + 7300 * X_{12\_129} + 4600 * X_{12\_130} + 7300$   
 $* X_{12\_131} +$   
 $7300 * X_{12\_132} + 7300 * X_{12\_133} + 7300 * X_{12\_134} + 4600 * X_{12\_135}$   
 $+ 4600 * X_{12\_136} + 7300 * X_{12\_137} + 4600 * X_{12\_138} + 4600 * X_{12\_139} + 7300$   
 $* X_{12\_140} +$   
 $7300 * X_{12\_141} + 7300 * X_{12\_142} + 7300 * X_{12\_143} + 7300 * X_{12\_144}$   
 $+ 4600 * X_{12\_145} + 7300 * X_{12\_146} + 7300 * X_{12\_147} + 4600 * X_{12\_148} + 7300$   
 $* X_{12\_149} +$   
 $7300 * X_{12\_150} + 7300 * X_{12\_151} + 4600 * X_{12\_152} + 7300 * X_{12\_153}$   
 $+ 7300 * X_{12\_154} + 7300 * X_{12\_155} + 7300 * X_{12\_156} + 4600 * X_{12\_157} + 4600$   
 $* X_{12\_158} +$   
 $7300 * X_{12\_159} + 7300 * X_{12\_160} + 4600 * X_{12\_161} + 4600 * X_{12\_162}$   
 $+ 7300 * X_{12\_163} + 7300 * X_{12\_164} + 7300 * X_{12\_165} + 7300 * X_{12\_166} + 7300$   
 $* X_{12\_167} +$   
 $4600 * X_{12\_168} + 4600 * X_{12\_169} + 4600 * X_{12\_170} + 7300 * X_{12\_171}$   
 $+ 7300 * X_{12\_172} + 7300 * X_{12\_173} + 7300 * X_{12\_174} + 7300 * X_{12\_175} + 7300$   
 $* X_{12\_176} +$   
 $7300 * X_{12\_177} + 7300 * X_{12\_178} + 7300 * X_{12\_179} + 4600 * X_{12\_180}$   
 $+ 7300 * X_{12\_181} + 4600 * X_{12\_182} + 7300 * X_{12\_183} + 4600 * X_{12\_184} + 7300$   
 $* X_{12\_185} +$   
 $4600 * X_{12\_186} + 7300 * X_{12\_187} + 7300 * X_{12\_188} + 7300 * X_{12\_189}$   
 $+ 4600 * X_{12\_190} + 7300 * X_{12\_191} + 7300 * X_{12\_192} + 7300 * X_{12\_193} + 7300$   
 $* X_{12\_194} +$   
 $4600 * X_{12\_195} + 7300 * X_{12\_196} + 7300 * X_{12\_197} + 4600 * X_{12\_198}$   
 $+ 4600 * X_{12\_199} + 7300 * X_{12\_200} + 7300 * X_{12\_201} + 7300 * X_{12\_202} + 7300$   
 $* X_{12\_203} +$   
 $7300 * X_{12\_204} + 4600 * X_{12\_205} + 4600 * X_{12\_206} + 7300 * X_{12\_207}$   
 $+ 7300 * X_{12\_208} + 4600 * X_{12\_209} + 7300 * X_{12\_210} + 4600 * X_{12\_211} + 7300$   
 $* X_{12\_212} +$   
 $7300 * X_{12\_213} + 7300 * X_{12\_214} + 7300 * X_{12\_215} + 7300 * X_{12\_216}$   
 $+ 7300 * X_{12\_217} + 7300 * X_{12\_218} + 4600 * X_{12\_219} + 4600 * X_{12\_220} + 7300$   
 $* X_{12\_221} +$   
 $7300 * X_{12\_222} + 7300 * X_{12\_223} + 4600 * X_{12\_224} + 7300 * X_{12\_225}$   
 $+ 4600 * X_{12\_226} + 7300 * X_{12\_227} + 7300 * X_{12\_228} + 4600 * X_{12\_229} + 7300$   
 $* X_{12\_230} +$   
 $7300 * X_{12\_231} + 7300 * X_{12\_232} + 7300 * X_{12\_233} + 4600 * X_{12\_234}$   
 $+ 7300 * X_{12\_235} + 7300 * X_{12\_236} + 7300 * X_{12\_237} + 4600 * X_{12\_238} + 7300$   
 $* X_{12\_239} +$   
 $4600 * X_{12\_240} - \text{PAGATOTAL}_{12} = 0;$   
 $[\_1772] 7300 * X_{13\_1} + 7300 * X_{13\_2} + 7300 * X_{13\_3} + 7300 * X_{13\_4}$   
 $+ 4600 *$

$X_{13\_5} + 4600 * X_{13\_6} + 4600 * X_{13\_7} + 7300 * X_{13\_8} + 7300 * X_{13\_9} + 4600 * X_{13\_10} + 7300 * X_{13\_11} + 7300 * X_{13\_12} + 7300 * X_{13\_13} + 7300 * X_{13\_14} + 7300 * X_{13\_15} + 4600 * X_{13\_16} + 7300 * X_{13\_17} + 7300 * X_{13\_18} + 7300 * X_{13\_19} + 7300 * X_{13\_20} + 7300 * X_{13\_21} + 4600 * X_{13\_22} + 4600 * X_{13\_23} + 4600 * X_{13\_24} + 7300 * X_{13\_25} + 4600 * X_{13\_26} + 7300 * X_{13\_27} + 7300 * X_{13\_28} + 7300 * X_{13\_29} + 7300 * X_{13\_30} + 4600 * X_{13\_31} + 7300 * X_{13\_32} + 7300 * X_{13\_33} + 7300 * X_{13\_34} + 7300 * X_{13\_35} + 7300 * X_{13\_36} + 7300 * X_{13\_37} + 4600 * X_{13\_38} + 4600 * X_{13\_39} + 4600 * X_{13\_40} + 4600 * X_{13\_41} + 4600 * X_{13\_42} + 7300 * X_{13\_43} + 7300 * X_{13\_44} + 7300 * X_{13\_45} + 7300 * X_{13\_46} + 7300 * X_{13\_47} + 7300 * X_{13\_48} + 7300 * X_{13\_49} + 7300 * X_{13\_50} + 7300 * X_{13\_51} + 7300 * X_{13\_52} + 7300 * X_{13\_53} + 4600 * X_{13\_54} + 4600 * X_{13\_55} + 4600 * X_{13\_56} + 7300 * X_{13\_57} + 7300 * X_{13\_58} + 4600 * X_{13\_59} + 7300 * X_{13\_60} + 7300 * X_{13\_61} + 7300 * X_{13\_62} + 4600 * X_{13\_63} + 7300 * X_{13\_64} + 7300 * X_{13\_65} + 7300 * X_{13\_66} + 7300 * X_{13\_67} + 4600 * X_{13\_68} + 7300 * X_{13\_69} + 4600 * X_{13\_70} + 4600 * X_{13\_71} + 7300 * X_{13\_72} + 7300 * X_{13\_73} + 7300 * X_{13\_74} + 4600 * X_{13\_75} + 7300 * X_{13\_76} + 4600 * X_{13\_77} + 7300 * X_{13\_78} + 7300 * X_{13\_79} + 7300 * X_{13\_80} + 4600 * X_{13\_81} + 7300 * X_{13\_82} + 7300 * X_{13\_83} + 4600 * X_{13\_84} + 7300 * X_{13\_85} + 7300 * X_{13\_86} + 7300 * X_{13\_87} + 4600 * X_{13\_88} + 4600 * X_{13\_89} + 4600 * X_{13\_90} + 7300 * X_{13\_91} + 7300 * X_{13\_92} + 7300 * X_{13\_93} + 4600 * X_{13\_94} + 7300 * X_{13\_95} + 7300 * X_{13\_96} + 7300 * X_{13\_97} + 7300 * X_{13\_98} + 4600 * X_{13\_99} + 7300 * X_{13\_100} + 4600 * X_{13\_101} + 7300 * X_{13\_102} + 7300 * X_{13\_103} + 7300 * X_{13\_104} + 7300 * X_{13\_105} + 7300 * X_{13\_106} + 7300 * X_{13\_107} + 4600 * X_{13\_108} + 7300 * X_{13\_109} + 4600 * X_{13\_110} + 7300 * X_{13\_111} + 4600 * X_{13\_112} + 7300 * X_{13\_113} + 7300 * X_{13\_114} + 7300 * X_{13\_115} + 4600 * X_{13\_116} + 4600 * X_{13\_117} + 7300 * X_{13\_118} + 7300 * X_{13\_119} + 7300 * X_{13\_120} + 7300 * X_{13\_121} + 7300 * X_{13\_122} + 4600 * X_{13\_123} + 7300 * X_{13\_124} + 7300 * X_{13\_125} + 4600 * X_{13\_126} + 7300 * X_{13\_127} + 7300 * X_{13\_128} + 7300 * X_{13\_129} + 4600 * X_{13\_130} + 7300 * X_{13\_131} + 7300 * X_{13\_132} + 7300 * X_{13\_133} + 7300 * X_{13\_134} + 4600 * X_{13\_135} + 4600 *$

$X_{13\_136} + 7300 * X_{13\_137} + 4600 * X_{13\_138} + 4600 * X_{13\_139} + 7300$   
 $* X_{13\_140} +$   
 $7300 * X_{13\_141} + 7300 * X_{13\_142} + 7300 * X_{13\_143} + 7300 * X_{13\_144}$   
 $+ 4600 * X_{13\_145} + 7300 * X_{13\_146} + 7300 * X_{13\_147} + 4600 * X_{13\_148} + 7300$   
 $* X_{13\_149} +$   
 $7300 * X_{13\_150} + 7300 * X_{13\_151} + 4600 * X_{13\_152} + 7300 * X_{13\_153}$   
 $+ 7300 * X_{13\_154} + 7300 * X_{13\_155} + 7300 * X_{13\_156} + 4600 * X_{13\_157} + 4600$   
 $* X_{13\_158} +$   
 $7300 * X_{13\_159} + 7300 * X_{13\_160} + 4600 * X_{13\_161} + 4600 * X_{13\_162}$   
 $+ 7300 * X_{13\_163} + 7300 * X_{13\_164} + 7300 * X_{13\_165} + 7300 * X_{13\_166} + 7300$   
 $* X_{13\_167} +$   
 $4600 * X_{13\_168} + 4600 * X_{13\_169} + 4600 * X_{13\_170} + 7300 * X_{13\_171}$   
 $+ 7300 * X_{13\_172} + 7300 * X_{13\_173} + 7300 * X_{13\_174} + 7300 * X_{13\_175} + 7300$   
 $* X_{13\_176} +$   
 $7300 * X_{13\_177} + 7300 * X_{13\_178} + 7300 * X_{13\_179} + 4600 * X_{13\_180}$   
 $+ 7300 * X_{13\_181} + 4600 * X_{13\_182} + 7300 * X_{13\_183} + 4600 * X_{13\_184} + 7300$   
 $* X_{13\_185} +$   
 $4600 * X_{13\_186} + 7300 * X_{13\_187} + 7300 * X_{13\_188} + 7300 * X_{13\_189}$   
 $+ 4600 * X_{13\_190} + 7300 * X_{13\_191} + 7300 * X_{13\_192} + 7300 * X_{13\_193} + 7300$   
 $* X_{13\_194} +$   
 $4600 * X_{13\_195} + 7300 * X_{13\_196} + 7300 * X_{13\_197} + 4600 * X_{13\_198}$   
 $+ 4600 * X_{13\_199} + 7300 * X_{13\_200} + 7300 * X_{13\_201} + 7300 * X_{13\_202} + 7300$   
 $* X_{13\_203} +$   
 $7300 * X_{13\_204} + 4600 * X_{13\_205} + 4600 * X_{13\_206} + 7300 * X_{13\_207}$   
 $+ 7300 * X_{13\_208} + 4600 * X_{13\_209} + 7300 * X_{13\_210} + 4600 * X_{13\_211} + 7300$   
 $* X_{13\_212} +$   
 $7300 * X_{13\_213} + 7300 * X_{13\_214} + 7300 * X_{13\_215} + 7300 * X_{13\_216}$   
 $+ 7300 * X_{13\_217} + 7300 * X_{13\_218} + 4600 * X_{13\_219} + 4600 * X_{13\_220} + 7300$   
 $* X_{13\_221} +$   
 $7300 * X_{13\_222} + 7300 * X_{13\_223} + 4600 * X_{13\_224} + 7300 * X_{13\_225}$   
 $+ 4600 * X_{13\_226} + 7300 * X_{13\_227} + 7300 * X_{13\_228} + 4600 * X_{13\_229} + 7300$   
 $* X_{13\_230} +$   
 $7300 * X_{13\_231} + 7300 * X_{13\_232} + 7300 * X_{13\_233} + 4600 * X_{13\_234}$   
 $+ 7300 * X_{13\_235} + 7300 * X_{13\_236} + 7300 * X_{13\_237} + 4600 * X_{13\_238} + 7300$   
 $* X_{13\_239} +$   
 $4600 * X_{13\_240} - \text{PAGATOTAL}_{13} = 0;$   
 $[_{1773}] 7000 * X_{14\_1} + 7000 * X_{14\_2} + 7000 * X_{14\_3} + 7000 * X_{14\_4}$   
 $+ 4300 * X_{14\_5} + 4300 * X_{14\_6} + 4300 * X_{14\_7} + 7000 * X_{14\_8} + 7000 * X_{14\_9} + 4300 * X_{14\_10} + 7000 * X_{14\_11} + 7000 * X_{14\_12} + 7000 * X_{14\_13} + 7000 * X_{14\_14} + 7000 * X_{14\_15} + 4300 * X_{14\_16} + 7000 * X_{14\_17} + 7000 * X_{14\_18} + 7000 * X_{14\_19} + 7000 * X_{14\_20} + 7000 * X_{14\_21} + 4300 * X_{14\_22} + 4300 * X_{14\_23} + 4300 * X_{14\_24}$

+ 7000 \* X\_14\_25 + 4300 \* X\_14\_26 + 7000 \* X\_14\_27 + 7000 \* X\_14\_28 +  
 7000 \*  
 X\_14\_29 + 7000 \* X\_14\_30 + 4300 \* X\_14\_31 + 7000 \* X\_14\_32 + 7000 \*  
 X\_14\_33 + 7000  
 \* X\_14\_34 + 7000 \* X\_14\_35 + 7000 \* X\_14\_36 + 7000 \* X\_14\_37 + 4300 \*  
 X\_14\_38 +  
 4300 \* X\_14\_39 + 4300 \* X\_14\_40 + 4300 \* X\_14\_41 + 4300 \* X\_14\_42 +  
 7000 \* X\_14\_43  
 + 7000 \* X\_14\_44 + 7000 \* X\_14\_45 + 7000 \* X\_14\_46 + 7000 \* X\_14\_47 +  
 7000 \*  
 X\_14\_48 + 7000 \* X\_14\_49 + 7000 \* X\_14\_50 + 7000 \* X\_14\_51 + 7000 \*  
 X\_14\_52 + 7000  
 \* X\_14\_53 + 4300 \* X\_14\_54 + 4300 \* X\_14\_55 + 4300 \* X\_14\_56 + 7000 \*  
 X\_14\_57 +  
 7000 \* X\_14\_58 + 4300 \* X\_14\_59 + 7000 \* X\_14\_60 + 7000 \* X\_14\_61 +  
 7000 \* X\_14\_62  
 + 4300 \* X\_14\_63 + 7000 \* X\_14\_64 + 7000 \* X\_14\_65 + 7000 \* X\_14\_66 +  
 7000 \*  
 X\_14\_67 + 4300 \* X\_14\_68 + 7000 \* X\_14\_69 + 4300 \* X\_14\_70 + 4300 \*  
 X\_14\_71 + 7000  
 \* X\_14\_72 + 7000 \* X\_14\_73 + 7000 \* X\_14\_74 + 4300 \* X\_14\_75 + 7000 \*  
 X\_14\_76 +  
 4300 \* X\_14\_77 + 7000 \* X\_14\_78 + 7000 \* X\_14\_79 + 7000 \* X\_14\_80 +  
 4300 \* X\_14\_81  
 + 7000 \* X\_14\_82 + 7000 \* X\_14\_83 + 4300 \* X\_14\_84 + 7000 \* X\_14\_85 +  
 7000 \*  
 X\_14\_86 + 7000 \* X\_14\_87 + 4300 \* X\_14\_88 + 4300 \* X\_14\_89 + 4300 \*  
 X\_14\_90 + 7000  
 \* X\_14\_91 + 7000 \* X\_14\_92 + 7000 \* X\_14\_93 + 4300 \* X\_14\_94 + 7000 \*  
 X\_14\_95 +  
 7000 \* X\_14\_96 + 7000 \* X\_14\_97 + 7000 \* X\_14\_98 + 4300 \* X\_14\_99 +  
 7000 \*  
 X\_14\_100 + 4300 \* X\_14\_101 + 7000 \* X\_14\_102 + 7000 \* X\_14\_103 + 7000  
 \* X\_14\_104 +  
 7000 \* X\_14\_105 + 7000 \* X\_14\_106 + 7000 \* X\_14\_107 + 4300 \* X\_14\_108  
 + 7000 \*  
 X\_14\_109 + 4300 \* X\_14\_110 + 7000 \* X\_14\_111 + 4300 \* X\_14\_112 + 7000  
 \* X\_14\_113 +  
 7000 \* X\_14\_114 + 7000 \* X\_14\_115 + 4300 \* X\_14\_116 + 4300 \* X\_14\_117  
 + 7000 \*  
 X\_14\_118 + 7000 \* X\_14\_119 + 7000 \* X\_14\_120 + 7000 \* X\_14\_121 + 7000  
 \* X\_14\_122 +  
 4300 \* X\_14\_123 + 7000 \* X\_14\_124 + 7000 \* X\_14\_125 + 4300 \* X\_14\_126  
 + 7000 \*  
 X\_14\_127 + 7000 \* X\_14\_128 + 7000 \* X\_14\_129 + 4300 \* X\_14\_130 + 7000  
 \* X\_14\_131 +  
 7000 \* X\_14\_132 + 7000 \* X\_14\_133 + 7000 \* X\_14\_134 + 4300 \* X\_14\_135  
 + 4300 \*  
 X\_14\_136 + 7000 \* X\_14\_137 + 4300 \* X\_14\_138 + 4300 \* X\_14\_139 + 7000  
 \* X\_14\_140 +  
 7000 \* X\_14\_141 + 7000 \* X\_14\_142 + 7000 \* X\_14\_143 + 7000 \* X\_14\_144  
 + 4300 \*  
 X\_14\_145 + 7000 \* X\_14\_146 + 7000 \* X\_14\_147 + 4300 \* X\_14\_148 + 7000  
 \* X\_14\_149 +  
 7000 \* X\_14\_150 + 7000 \* X\_14\_151 + 4300 \* X\_14\_152 + 7000 \* X\_14\_153  
 + 7000 \*

$X_{14\_154} + 7000 * X_{14\_155} + 7000 * X_{14\_156} + 4300 * X_{14\_157} + 4300$   
 $* X_{14\_158} +$   
 $7000 * X_{14\_159} + 7000 * X_{14\_160} + 4300 * X_{14\_161} + 4300 * X_{14\_162}$   
 $+ 7000 * X_{14\_163} + 7000 * X_{14\_164} + 7000 * X_{14\_165} + 7000 * X_{14\_166} + 7000$   
 $* X_{14\_167} +$   
 $4300 * X_{14\_168} + 4300 * X_{14\_169} + 4300 * X_{14\_170} + 7000 * X_{14\_171}$   
 $+ 7000 * X_{14\_172} + 7000 * X_{14\_173} + 7000 * X_{14\_174} + 7000 * X_{14\_175} + 7000$   
 $* X_{14\_176} +$   
 $7000 * X_{14\_177} + 7000 * X_{14\_178} + 7000 * X_{14\_179} + 4300 * X_{14\_180}$   
 $+ 7000 * X_{14\_181} + 4300 * X_{14\_182} + 7000 * X_{14\_183} + 4300 * X_{14\_184} + 7000$   
 $* X_{14\_185} +$   
 $4300 * X_{14\_186} + 7000 * X_{14\_187} + 7000 * X_{14\_188} + 7000 * X_{14\_189}$   
 $+ 4300 * X_{14\_190} + 7000 * X_{14\_191} + 7000 * X_{14\_192} + 7000 * X_{14\_193} + 7000$   
 $* X_{14\_194} +$   
 $4300 * X_{14\_195} + 7000 * X_{14\_196} + 7000 * X_{14\_197} + 4300 * X_{14\_198}$   
 $+ 4300 * X_{14\_199} + 7000 * X_{14\_200} + 7000 * X_{14\_201} + 7000 * X_{14\_202} + 7000$   
 $* X_{14\_203} +$   
 $7000 * X_{14\_204} + 4300 * X_{14\_205} + 4300 * X_{14\_206} + 7000 * X_{14\_207}$   
 $+ 7000 * X_{14\_208} + 4300 * X_{14\_209} + 7000 * X_{14\_210} + 4300 * X_{14\_211} + 7000$   
 $* X_{14\_212} +$   
 $7000 * X_{14\_213} + 7000 * X_{14\_214} + 7000 * X_{14\_215} + 7000 * X_{14\_216}$   
 $+ 7000 * X_{14\_217} + 7000 * X_{14\_218} + 4300 * X_{14\_219} + 4300 * X_{14\_220} + 7000$   
 $* X_{14\_221} +$   
 $7000 * X_{14\_222} + 7000 * X_{14\_223} + 4300 * X_{14\_224} + 7000 * X_{14\_225}$   
 $+ 4300 * X_{14\_226} + 7000 * X_{14\_227} + 7000 * X_{14\_228} + 4300 * X_{14\_229} + 7000$   
 $* X_{14\_230} +$   
 $7000 * X_{14\_231} + 7000 * X_{14\_232} + 7000 * X_{14\_233} + 4300 * X_{14\_234}$   
 $+ 7000 * X_{14\_235} + 7000 * X_{14\_236} + 7000 * X_{14\_237} + 4300 * X_{14\_238} + 7000$   
 $* X_{14\_239} +$   
 $4300 * X_{14\_240} - \text{PAGATOTAL}_{14} = 0;$   
 $[_{1774}] 8500 * X_{15\_1} + 8500 * X_{15\_2} + 8500 * X_{15\_3} + 8500 * X_{15\_4}$   
 $+ 5800 * X_{15\_5} + 5800 * X_{15\_6} + 5800 * X_{15\_7} + 8500 * X_{15\_8} + 8500 * X_{15\_9} + 5800 * X_{15\_10} + 8500 * X_{15\_11} + 8500 * X_{15\_12} + 8500 * X_{15\_13} + 8500 * X_{15\_14} + 8500 * X_{15\_15} + 5800 * X_{15\_16} + 8500 * X_{15\_17} + 8500 * X_{15\_18} + 8500 * X_{15\_19} + 8500 * X_{15\_20} + 8500 * X_{15\_21} + 5800 * X_{15\_22} + 5800 * X_{15\_23} + 5800 * X_{15\_24} + 8500 * X_{15\_25} + 5800 * X_{15\_26} + 8500 * X_{15\_27} + 8500 * X_{15\_28} + 8500 * X_{15\_29} + 8500 * X_{15\_30} + 5800 * X_{15\_31} + 8500 * X_{15\_32} + 8500 * X_{15\_33} + 8500 * X_{15\_34} + 8500 * X_{15\_35} + 8500 * X_{15\_36} + 8500 * X_{15\_37} + 5800 * X_{15\_38} + 5800 * X_{15\_39} + 5800 * X_{15\_40} + 5800 * X_{15\_41} + 5800 * X_{15\_42} + 8500 * X_{15\_43}$

+ 8500 \* X\_15\_44 + 8500 \* X\_15\_45 + 8500 \* X\_15\_46 + 8500 \* X\_15\_47 +  
 8500 \*  
 X\_15\_48 + 8500 \* X\_15\_49 + 8500 \* X\_15\_50 + 8500 \* X\_15\_51 + 8500 \*  
 X\_15\_52 + 8500  
 \* X\_15\_53 + 5800 \* X\_15\_54 + 5800 \* X\_15\_55 + 5800 \* X\_15\_56 + 8500 \*  
 X\_15\_57 +  
 8500 \* X\_15\_58 + 5800 \* X\_15\_59 + 8500 \* X\_15\_60 + 8500 \* X\_15\_61 +  
 8500 \* X\_15\_62  
 + 5800 \* X\_15\_63 + 8500 \* X\_15\_64 + 8500 \* X\_15\_65 + 8500 \* X\_15\_66 +  
 8500 \*  
 X\_15\_67 + 5800 \* X\_15\_68 + 8500 \* X\_15\_69 + 5800 \* X\_15\_70 + 5800 \*  
 X\_15\_71 + 8500  
 \* X\_15\_72 + 8500 \* X\_15\_73 + 8500 \* X\_15\_74 + 5800 \* X\_15\_75 + 8500 \*  
 X\_15\_76 +  
 5800 \* X\_15\_77 + 8500 \* X\_15\_78 + 8500 \* X\_15\_79 + 8500 \* X\_15\_80 +  
 5800 \* X\_15\_81  
 + 8500 \* X\_15\_82 + 8500 \* X\_15\_83 + 5800 \* X\_15\_84 + 8500 \* X\_15\_85 +  
 8500 \*  
 X\_15\_86 + 8500 \* X\_15\_87 + 5800 \* X\_15\_88 + 5800 \* X\_15\_89 + 5800 \*  
 X\_15\_90 + 8500  
 \* X\_15\_91 + 8500 \* X\_15\_92 + 8500 \* X\_15\_93 + 5800 \* X\_15\_94 + 8500 \*  
 X\_15\_95 +  
 8500 \* X\_15\_96 + 8500 \* X\_15\_97 + 8500 \* X\_15\_98 + 5800 \* X\_15\_99 +  
 8500 \*  
 X\_15\_100 + 5800 \* X\_15\_101 + 8500 \* X\_15\_102 + 8500 \* X\_15\_103 + 8500  
 \* X\_15\_104 +  
 8500 \* X\_15\_105 + 8500 \* X\_15\_106 + 8500 \* X\_15\_107 + 5800 \* X\_15\_108  
 + 8500 \*  
 X\_15\_109 + 5800 \* X\_15\_110 + 8500 \* X\_15\_111 + 5800 \* X\_15\_112 + 8500  
 \* X\_15\_113 +  
 8500 \* X\_15\_114 + 8500 \* X\_15\_115 + 5800 \* X\_15\_116 + 5800 \* X\_15\_117  
 + 8500 \*  
 X\_15\_118 + 8500 \* X\_15\_119 + 8500 \* X\_15\_120 + 8500 \* X\_15\_121 + 8500  
 \* X\_15\_122 +  
 5800 \* X\_15\_123 + 8500 \* X\_15\_124 + 8500 \* X\_15\_125 + 5800 \* X\_15\_126  
 + 8500 \*  
 X\_15\_127 + 8500 \* X\_15\_128 + 8500 \* X\_15\_129 + 5800 \* X\_15\_130 + 8500  
 \* X\_15\_131 +  
 8500 \* X\_15\_132 + 8500 \* X\_15\_133 + 8500 \* X\_15\_134 + 5800 \* X\_15\_135  
 + 5800 \*  
 X\_15\_136 + 8500 \* X\_15\_137 + 5800 \* X\_15\_138 + 5800 \* X\_15\_139 + 8500  
 \* X\_15\_140 +  
 8500 \* X\_15\_141 + 8500 \* X\_15\_142 + 8500 \* X\_15\_143 + 8500 \* X\_15\_144  
 + 5800 \*  
 X\_15\_145 + 8500 \* X\_15\_146 + 8500 \* X\_15\_147 + 5800 \* X\_15\_148 + 8500  
 \* X\_15\_149 +  
 8500 \* X\_15\_150 + 8500 \* X\_15\_151 + 5800 \* X\_15\_152 + 8500 \* X\_15\_153  
 + 8500 \*  
 X\_15\_154 + 8500 \* X\_15\_155 + 8500 \* X\_15\_156 + 5800 \* X\_15\_157 + 5800  
 \* X\_15\_158 +  
 8500 \* X\_15\_159 + 8500 \* X\_15\_160 + 5800 \* X\_15\_161 + 5800 \* X\_15\_162  
 + 8500 \*  
 X\_15\_163 + 8500 \* X\_15\_164 + 8500 \* X\_15\_165 + 8500 \* X\_15\_166 + 8500  
 \* X\_15\_167 +  
 5800 \* X\_15\_168 + 5800 \* X\_15\_169 + 5800 \* X\_15\_170 + 8500 \* X\_15\_171  
 + 8500 \*

$X_{15\_172} + 8500 * X_{15\_173} + 8500 * X_{15\_174} + 8500 * X_{15\_175} + 8500$   
 $* X_{15\_176} +$   
 $8500 * X_{15\_177} + 8500 * X_{15\_178} + 8500 * X_{15\_179} + 5800 * X_{15\_180}$   
 $+ 8500 *$   
 $X_{15\_181} + 5800 * X_{15\_182} + 8500 * X_{15\_183} + 5800 * X_{15\_184} + 8500$   
 $* X_{15\_185} +$   
 $5800 * X_{15\_186} + 8500 * X_{15\_187} + 8500 * X_{15\_188} + 8500 * X_{15\_189}$   
 $+ 5800 *$   
 $X_{15\_190} + 8500 * X_{15\_191} + 8500 * X_{15\_192} + 8500 * X_{15\_193} + 8500$   
 $* X_{15\_194} +$   
 $5800 * X_{15\_195} + 8500 * X_{15\_196} + 8500 * X_{15\_197} + 5800 * X_{15\_198}$   
 $+ 5800 *$   
 $X_{15\_199} + 8500 * X_{15\_200} + 8500 * X_{15\_201} + 8500 * X_{15\_202} + 8500$   
 $* X_{15\_203} +$   
 $8500 * X_{15\_204} + 5800 * X_{15\_205} + 5800 * X_{15\_206} + 8500 * X_{15\_207}$   
 $+ 8500 *$   
 $X_{15\_208} + 5800 * X_{15\_209} + 8500 * X_{15\_210} + 5800 * X_{15\_211} + 8500$   
 $* X_{15\_212} +$   
 $8500 * X_{15\_213} + 8500 * X_{15\_214} + 8500 * X_{15\_215} + 8500 * X_{15\_216}$   
 $+ 8500 *$   
 $X_{15\_217} + 8500 * X_{15\_218} + 5800 * X_{15\_219} + 5800 * X_{15\_220} + 8500$   
 $* X_{15\_221} +$   
 $8500 * X_{15\_222} + 8500 * X_{15\_223} + 5800 * X_{15\_224} + 8500 * X_{15\_225}$   
 $+ 5800 *$   
 $X_{15\_226} + 8500 * X_{15\_227} + 8500 * X_{15\_228} + 5800 * X_{15\_229} + 8500$   
 $* X_{15\_230} +$   
 $8500 * X_{15\_231} + 8500 * X_{15\_232} + 8500 * X_{15\_233} + 5800 * X_{15\_234}$   
 $+ 8500 *$   
 $X_{15\_235} + 8500 * X_{15\_236} + 8500 * X_{15\_237} + 5800 * X_{15\_238} + 8500$   
 $* X_{15\_239} +$   
 $5800 * X_{15\_240} - \text{PAGATOTAL}_{15} = 0;$   
 $[_{1775}] 7000 * X_{16\_1} + 7000 * X_{16\_2} + 7000 * X_{16\_3} + 7000 * X_{16\_4}$   
 $+ 4300 *$   
 $X_{16\_5} + 4300 * X_{16\_6} + 4300 * X_{16\_7} + 7000 * X_{16\_8} + 7000 *$   
 $X_{16\_9} + 4300 *$   
 $X_{16\_10} + 7000 * X_{16\_11} + 7000 * X_{16\_12} + 7000 * X_{16\_13} + 7000 *$   
 $X_{16\_14} + 7000$   
 $* X_{16\_15} + 4300 * X_{16\_16} + 7000 * X_{16\_17} + 7000 * X_{16\_18} + 7000 *$   
 $X_{16\_19} +$   
 $7000 * X_{16\_20} + 7000 * X_{16\_21} + 4300 * X_{16\_22} + 4300 * X_{16\_23} +$   
 $4300 * X_{16\_24}$   
 $+ 7000 * X_{16\_25} + 4300 * X_{16\_26} + 7000 * X_{16\_27} + 7000 * X_{16\_28} +$   
 $7000 *$   
 $X_{16\_29} + 7000 * X_{16\_30} + 4300 * X_{16\_31} + 7000 * X_{16\_32} + 7000 *$   
 $X_{16\_33} + 7000$   
 $* X_{16\_34} + 7000 * X_{16\_35} + 7000 * X_{16\_36} + 7000 * X_{16\_37} + 4300 *$   
 $X_{16\_38} +$   
 $4300 * X_{16\_39} + 4300 * X_{16\_40} + 4300 * X_{16\_41} + 4300 * X_{16\_42} +$   
 $7000 * X_{16\_43}$   
 $+ 7000 * X_{16\_44} + 7000 * X_{16\_45} + 7000 * X_{16\_46} + 7000 * X_{16\_47} +$   
 $7000 *$   
 $X_{16\_48} + 7000 * X_{16\_49} + 7000 * X_{16\_50} + 7000 * X_{16\_51} + 7000 *$   
 $X_{16\_52} + 7000$   
 $* X_{16\_53} + 4300 * X_{16\_54} + 4300 * X_{16\_55} + 4300 * X_{16\_56} + 7000 *$   
 $X_{16\_57} +$   
 $7000 * X_{16\_58} + 4300 * X_{16\_59} + 7000 * X_{16\_60} + 7000 * X_{16\_61} +$   
 $7000 * X_{16\_62}$



+ 4300 \* X\_16\_63 + 7000 \* X\_16\_64 + 7000 \* X\_16\_65 + 7000 \* X\_16\_66 +  
 7000 \*  
 X\_16\_67 + 4300 \* X\_16\_68 + 7000 \* X\_16\_69 + 4300 \* X\_16\_70 + 4300 \*  
 X\_16\_71 + 7000  
 \* X\_16\_72 + 7000 \* X\_16\_73 + 7000 \* X\_16\_74 + 4300 \* X\_16\_75 + 7000 \*  
 X\_16\_76 +  
 4300 \* X\_16\_77 + 7000 \* X\_16\_78 + 7000 \* X\_16\_79 + 7000 \* X\_16\_80 +  
 4300 \* X\_16\_81  
 + 7000 \* X\_16\_82 + 7000 \* X\_16\_83 + 4300 \* X\_16\_84 + 7000 \* X\_16\_85 +  
 7000 \*  
 X\_16\_86 + 7000 \* X\_16\_87 + 4300 \* X\_16\_88 + 4300 \* X\_16\_89 + 4300 \*  
 X\_16\_90 + 7000  
 \* X\_16\_91 + 7000 \* X\_16\_92 + 7000 \* X\_16\_93 + 4300 \* X\_16\_94 + 7000 \*  
 X\_16\_95 +  
 7000 \* X\_16\_96 + 7000 \* X\_16\_97 + 7000 \* X\_16\_98 + 4300 \* X\_16\_99 +  
 7000 \*  
 X\_16\_100 + 4300 \* X\_16\_101 + 7000 \* X\_16\_102 + 7000 \* X\_16\_103 + 7000  
 \* X\_16\_104 +  
 7000 \* X\_16\_105 + 7000 \* X\_16\_106 + 7000 \* X\_16\_107 + 4300 \* X\_16\_108  
 + 7000 \*  
 X\_16\_109 + 4300 \* X\_16\_110 + 7000 \* X\_16\_111 + 4300 \* X\_16\_112 + 7000  
 \* X\_16\_113 +  
 7000 \* X\_16\_114 + 7000 \* X\_16\_115 + 4300 \* X\_16\_116 + 4300 \* X\_16\_117  
 + 7000 \*  
 X\_16\_118 + 7000 \* X\_16\_119 + 7000 \* X\_16\_120 + 7000 \* X\_16\_121 + 7000  
 \* X\_16\_122 +  
 4300 \* X\_16\_123 + 7000 \* X\_16\_124 + 7000 \* X\_16\_125 + 4300 \* X\_16\_126  
 + 7000 \*  
 X\_16\_127 + 7000 \* X\_16\_128 + 7000 \* X\_16\_129 + 4300 \* X\_16\_130 + 7000  
 \* X\_16\_131 +  
 7000 \* X\_16\_132 + 7000 \* X\_16\_133 + 7000 \* X\_16\_134 + 4300 \* X\_16\_135  
 + 4300 \*  
 X\_16\_136 + 7000 \* X\_16\_137 + 4300 \* X\_16\_138 + 4300 \* X\_16\_139 + 7000  
 \* X\_16\_140 +  
 7000 \* X\_16\_141 + 7000 \* X\_16\_142 + 7000 \* X\_16\_143 + 7000 \* X\_16\_144  
 + 4300 \*  
 X\_16\_145 + 7000 \* X\_16\_146 + 7000 \* X\_16\_147 + 4300 \* X\_16\_148 + 7000  
 \* X\_16\_149 +  
 7000 \* X\_16\_150 + 7000 \* X\_16\_151 + 4300 \* X\_16\_152 + 7000 \* X\_16\_153  
 + 7000 \*  
 X\_16\_154 + 7000 \* X\_16\_155 + 7000 \* X\_16\_156 + 4300 \* X\_16\_157 + 4300  
 \* X\_16\_158 +  
 7000 \* X\_16\_159 + 7000 \* X\_16\_160 + 4300 \* X\_16\_161 + 4300 \* X\_16\_162  
 + 7000 \*  
 X\_16\_163 + 7000 \* X\_16\_164 + 7000 \* X\_16\_165 + 7000 \* X\_16\_166 + 7000  
 \* X\_16\_167 +  
 4300 \* X\_16\_168 + 4300 \* X\_16\_169 + 4300 \* X\_16\_170 + 7000 \* X\_16\_171  
 + 7000 \*  
 X\_16\_172 + 7000 \* X\_16\_173 + 7000 \* X\_16\_174 + 7000 \* X\_16\_175 + 7000  
 \* X\_16\_176 +  
 7000 \* X\_16\_177 + 7000 \* X\_16\_178 + 7000 \* X\_16\_179 + 4300 \* X\_16\_180  
 + 7000 \*  
 X\_16\_181 + 4300 \* X\_16\_182 + 7000 \* X\_16\_183 + 4300 \* X\_16\_184 + 7000  
 \* X\_16\_185 +  
 4300 \* X\_16\_186 + 7000 \* X\_16\_187 + 7000 \* X\_16\_188 + 7000 \* X\_16\_189  
 + 4300 \*

$X_{16\_190} + 7000 * X_{16\_191} + 7000 * X_{16\_192} + 7000 * X_{16\_193} + 7000$   
 $* X_{16\_194} +$   
 $4300 * X_{16\_195} + 7000 * X_{16\_196} + 7000 * X_{16\_197} + 4300 * X_{16\_198}$   
 $+ 4300 *$   
 $X_{16\_199} + 7000 * X_{16\_200} + 7000 * X_{16\_201} + 7000 * X_{16\_202} + 7000$   
 $* X_{16\_203} +$   
 $7000 * X_{16\_204} + 4300 * X_{16\_205} + 4300 * X_{16\_206} + 7000 * X_{16\_207}$   
 $+ 7000 *$   
 $X_{16\_208} + 4300 * X_{16\_209} + 7000 * X_{16\_210} + 4300 * X_{16\_211} + 7000$   
 $* X_{16\_212} +$   
 $7000 * X_{16\_213} + 7000 * X_{16\_214} + 7000 * X_{16\_215} + 7000 * X_{16\_216}$   
 $+ 7000 *$   
 $X_{16\_217} + 7000 * X_{16\_218} + 4300 * X_{16\_219} + 4300 * X_{16\_220} + 7000$   
 $* X_{16\_221} +$   
 $7000 * X_{16\_222} + 7000 * X_{16\_223} + 4300 * X_{16\_224} + 7000 * X_{16\_225}$   
 $+ 4300 *$   
 $X_{16\_226} + 7000 * X_{16\_227} + 7000 * X_{16\_228} + 4300 * X_{16\_229} + 7000$   
 $* X_{16\_230} +$   
 $7000 * X_{16\_231} + 7000 * X_{16\_232} + 7000 * X_{16\_233} + 4300 * X_{16\_234}$   
 $+ 7000 *$   
 $X_{16\_235} + 7000 * X_{16\_236} + 7000 * X_{16\_237} + 4300 * X_{16\_238} + 7000$   
 $* X_{16\_239} +$   
 $4300 * X_{16\_240} - \text{PAGATOTAL}_{16} = 0;$   
 $[_{1776}] 7000 * X_{17\_1} + 7000 * X_{17\_2} + 7000 * X_{17\_3} + 7000 * X_{17\_4}$   
 $+ 4300 *$   
 $X_{17\_5} + 4300 * X_{17\_6} + 4300 * X_{17\_7} + 7000 * X_{17\_8} + 7000 *$   
 $X_{17\_9} + 4300 *$   
 $X_{17\_10} + 7000 * X_{17\_11} + 7000 * X_{17\_12} + 7000 * X_{17\_13} + 7000 *$   
 $X_{17\_14} + 7000$   
 $* X_{17\_15} + 4300 * X_{17\_16} + 7000 * X_{17\_17} + 7000 * X_{17\_18} + 7000 *$   
 $X_{17\_19} +$   
 $7000 * X_{17\_20} + 7000 * X_{17\_21} + 4300 * X_{17\_22} + 4300 * X_{17\_23} +$   
 $4300 * X_{17\_24}$   
 $+ 7000 * X_{17\_25} + 4300 * X_{17\_26} + 7000 * X_{17\_27} + 7000 * X_{17\_28} +$   
 $7000 *$   
 $X_{17\_29} + 7000 * X_{17\_30} + 4300 * X_{17\_31} + 7000 * X_{17\_32} + 7000 *$   
 $X_{17\_33} + 7000$   
 $* X_{17\_34} + 7000 * X_{17\_35} + 7000 * X_{17\_36} + 7000 * X_{17\_37} + 4300 *$   
 $X_{17\_38} +$   
 $4300 * X_{17\_39} + 4300 * X_{17\_40} + 4300 * X_{17\_41} + 4300 * X_{17\_42} +$   
 $7000 * X_{17\_43}$   
 $+ 7000 * X_{17\_44} + 7000 * X_{17\_45} + 7000 * X_{17\_46} + 7000 * X_{17\_47} +$   
 $7000 *$   
 $X_{17\_48} + 7000 * X_{17\_49} + 7000 * X_{17\_50} + 7000 * X_{17\_51} + 7000 *$   
 $X_{17\_52} + 7000$   
 $* X_{17\_53} + 4300 * X_{17\_54} + 4300 * X_{17\_55} + 4300 * X_{17\_56} + 7000 *$   
 $X_{17\_57} +$   
 $7000 * X_{17\_58} + 4300 * X_{17\_59} + 7000 * X_{17\_60} + 7000 * X_{17\_61} +$   
 $7000 * X_{17\_62}$   
 $+ 4300 * X_{17\_63} + 7000 * X_{17\_64} + 7000 * X_{17\_65} + 7000 * X_{17\_66} +$   
 $7000 *$   
 $X_{17\_67} + 4300 * X_{17\_68} + 7000 * X_{17\_69} + 4300 * X_{17\_70} + 4300 *$   
 $X_{17\_71} + 7000$   
 $* X_{17\_72} + 7000 * X_{17\_73} + 7000 * X_{17\_74} + 4300 * X_{17\_75} + 7000 *$   
 $X_{17\_76} +$   
 $4300 * X_{17\_77} + 7000 * X_{17\_78} + 7000 * X_{17\_79} + 7000 * X_{17\_80} +$   
 $4300 * X_{17\_81}$

+ 7000 \* X\_17\_82 + 7000 \* X\_17\_83 + 4300 \* X\_17\_84 + 7000 \* X\_17\_85 +  
 7000 \*  
 X\_17\_86 + 7000 \* X\_17\_87 + 4300 \* X\_17\_88 + 4300 \* X\_17\_89 + 4300 \*  
 X\_17\_90 + 7000  
 \* X\_17\_91 + 7000 \* X\_17\_92 + 7000 \* X\_17\_93 + 4300 \* X\_17\_94 + 7000 \*  
 X\_17\_95 +  
 7000 \* X\_17\_96 + 7000 \* X\_17\_97 + 7000 \* X\_17\_98 + 4300 \* X\_17\_99 +  
 7000 \*  
 X\_17\_100 + 4300 \* X\_17\_101 + 7000 \* X\_17\_102 + 7000 \* X\_17\_103 + 7000  
 \* X\_17\_104 +  
 7000 \* X\_17\_105 + 7000 \* X\_17\_106 + 7000 \* X\_17\_107 + 4300 \* X\_17\_108  
 + 7000 \*  
 X\_17\_109 + 4300 \* X\_17\_110 + 7000 \* X\_17\_111 + 4300 \* X\_17\_112 + 7000  
 \* X\_17\_113 +  
 7000 \* X\_17\_114 + 7000 \* X\_17\_115 + 4300 \* X\_17\_116 + 4300 \* X\_17\_117  
 + 7000 \*  
 X\_17\_118 + 7000 \* X\_17\_119 + 7000 \* X\_17\_120 + 7000 \* X\_17\_121 + 7000  
 \* X\_17\_122 +  
 4300 \* X\_17\_123 + 7000 \* X\_17\_124 + 7000 \* X\_17\_125 + 4300 \* X\_17\_126  
 + 7000 \*  
 X\_17\_127 + 7000 \* X\_17\_128 + 7000 \* X\_17\_129 + 4300 \* X\_17\_130 + 7000  
 \* X\_17\_131 +  
 7000 \* X\_17\_132 + 7000 \* X\_17\_133 + 7000 \* X\_17\_134 + 4300 \* X\_17\_135  
 + 4300 \*  
 X\_17\_136 + 7000 \* X\_17\_137 + 4300 \* X\_17\_138 + 4300 \* X\_17\_139 + 7000  
 \* X\_17\_140 +  
 7000 \* X\_17\_141 + 7000 \* X\_17\_142 + 7000 \* X\_17\_143 + 7000 \* X\_17\_144  
 + 4300 \*  
 X\_17\_145 + 7000 \* X\_17\_146 + 7000 \* X\_17\_147 + 4300 \* X\_17\_148 + 7000  
 \* X\_17\_149 +  
 7000 \* X\_17\_150 + 7000 \* X\_17\_151 + 4300 \* X\_17\_152 + 7000 \* X\_17\_153  
 + 7000 \*  
 X\_17\_154 + 7000 \* X\_17\_155 + 7000 \* X\_17\_156 + 4300 \* X\_17\_157 + 4300  
 \* X\_17\_158 +  
 7000 \* X\_17\_159 + 7000 \* X\_17\_160 + 4300 \* X\_17\_161 + 4300 \* X\_17\_162  
 + 7000 \*  
 X\_17\_163 + 7000 \* X\_17\_164 + 7000 \* X\_17\_165 + 7000 \* X\_17\_166 + 7000  
 \* X\_17\_167 +  
 4300 \* X\_17\_168 + 4300 \* X\_17\_169 + 4300 \* X\_17\_170 + 7000 \* X\_17\_171  
 + 7000 \*  
 X\_17\_172 + 7000 \* X\_17\_173 + 7000 \* X\_17\_174 + 7000 \* X\_17\_175 + 7000  
 \* X\_17\_176 +  
 7000 \* X\_17\_177 + 7000 \* X\_17\_178 + 7000 \* X\_17\_179 + 4300 \* X\_17\_180  
 + 7000 \*  
 X\_17\_181 + 4300 \* X\_17\_182 + 7000 \* X\_17\_183 + 4300 \* X\_17\_184 + 7000  
 \* X\_17\_185 +  
 4300 \* X\_17\_186 + 7000 \* X\_17\_187 + 7000 \* X\_17\_188 + 7000 \* X\_17\_189  
 + 4300 \*  
 X\_17\_190 + 7000 \* X\_17\_191 + 7000 \* X\_17\_192 + 7000 \* X\_17\_193 + 7000  
 \* X\_17\_194 +  
 4300 \* X\_17\_195 + 7000 \* X\_17\_196 + 7000 \* X\_17\_197 + 4300 \* X\_17\_198  
 + 4300 \*  
 X\_17\_199 + 7000 \* X\_17\_200 + 7000 \* X\_17\_201 + 7000 \* X\_17\_202 + 7000  
 \* X\_17\_203 +  
 7000 \* X\_17\_204 + 4300 \* X\_17\_205 + 4300 \* X\_17\_206 + 7000 \* X\_17\_207  
 + 7000 \*

$X_{17\_208} + 4300 * X_{17\_209} + 7000 * X_{17\_210} + 4300 * X_{17\_211} + 7000$   
 $* X_{17\_212} +$   
 $7000 * X_{17\_213} + 7000 * X_{17\_214} + 7000 * X_{17\_215} + 7000 * X_{17\_216$   
 $+ 7000 *$   
 $X_{17\_217} + 7000 * X_{17\_218} + 4300 * X_{17\_219} + 4300 * X_{17\_220} + 7000$   
 $* X_{17\_221} +$   
 $7000 * X_{17\_222} + 7000 * X_{17\_223} + 4300 * X_{17\_224} + 7000 * X_{17\_225$   
 $+ 4300 *$   
 $X_{17\_226} + 7000 * X_{17\_227} + 7000 * X_{17\_228} + 4300 * X_{17\_229} + 7000$   
 $* X_{17\_230} +$   
 $7000 * X_{17\_231} + 7000 * X_{17\_232} + 7000 * X_{17\_233} + 4300 * X_{17\_234$   
 $+ 7000 *$   
 $X_{17\_235} + 7000 * X_{17\_236} + 7000 * X_{17\_237} + 4300 * X_{17\_238} + 7000$   
 $* X_{17\_239} +$   
 $4300 * X_{17\_240} - \text{PAGATOTAL}_{17} = 0;$   
 $[_{1777}] 7000 * X_{18\_1} + 7000 * X_{18\_2} + 7000 * X_{18\_3} + 7000 * X_{18\_4}$   
 $+ 4300 *$   
 $X_{18\_5} + 4300 * X_{18\_6} + 4300 * X_{18\_7} + 7000 * X_{18\_8} + 7000 *$   
 $X_{18\_9} + 4300 *$   
 $X_{18\_10} + 7000 * X_{18\_11} + 7000 * X_{18\_12} + 7000 * X_{18\_13} + 7000 *$   
 $X_{18\_14} + 7000$   
 $* X_{18\_15} + 4300 * X_{18\_16} + 7000 * X_{18\_17} + 7000 * X_{18\_18} + 7000 *$   
 $X_{18\_19} +$   
 $7000 * X_{18\_20} + 7000 * X_{18\_21} + 4300 * X_{18\_22} + 4300 * X_{18\_23} +$   
 $4300 * X_{18\_24}$   
 $+ 7000 * X_{18\_25} + 4300 * X_{18\_26} + 7000 * X_{18\_27} + 7000 * X_{18\_28} +$   
 $7000 *$   
 $X_{18\_29} + 7000 * X_{18\_30} + 4300 * X_{18\_31} + 7000 * X_{18\_32} + 7000 *$   
 $X_{18\_33} + 7000$   
 $* X_{18\_34} + 7000 * X_{18\_35} + 7000 * X_{18\_36} + 7000 * X_{18\_37} + 4300 *$   
 $X_{18\_38} +$   
 $4300 * X_{18\_39} + 4300 * X_{18\_40} + 4300 * X_{18\_41} + 4300 * X_{18\_42} +$   
 $7000 * X_{18\_43}$   
 $+ 7000 * X_{18\_44} + 7000 * X_{18\_45} + 7000 * X_{18\_46} + 7000 * X_{18\_47} +$   
 $7000 *$   
 $X_{18\_48} + 7000 * X_{18\_49} + 7000 * X_{18\_50} + 7000 * X_{18\_51} + 7000 *$   
 $X_{18\_52} + 7000$   
 $* X_{18\_53} + 4300 * X_{18\_54} + 4300 * X_{18\_55} + 4300 * X_{18\_56} + 7000 *$   
 $X_{18\_57} +$   
 $7000 * X_{18\_58} + 4300 * X_{18\_59} + 7000 * X_{18\_60} + 7000 * X_{18\_61} +$   
 $7000 * X_{18\_62}$   
 $+ 4300 * X_{18\_63} + 7000 * X_{18\_64} + 7000 * X_{18\_65} + 7000 * X_{18\_66} +$   
 $7000 *$   
 $X_{18\_67} + 4300 * X_{18\_68} + 7000 * X_{18\_69} + 4300 * X_{18\_70} + 4300 *$   
 $X_{18\_71} + 7000$   
 $* X_{18\_72} + 7000 * X_{18\_73} + 7000 * X_{18\_74} + 4300 * X_{18\_75} + 7000 *$   
 $X_{18\_76} +$   
 $4300 * X_{18\_77} + 7000 * X_{18\_78} + 7000 * X_{18\_79} + 7000 * X_{18\_80} +$   
 $4300 * X_{18\_81}$   
 $+ 7000 * X_{18\_82} + 7000 * X_{18\_83} + 4300 * X_{18\_84} + 7000 * X_{18\_85} +$   
 $7000 *$   
 $X_{18\_86} + 7000 * X_{18\_87} + 4300 * X_{18\_88} + 4300 * X_{18\_89} + 4300 *$   
 $X_{18\_90} + 7000$   
 $* X_{18\_91} + 7000 * X_{18\_92} + 7000 * X_{18\_93} + 4300 * X_{18\_94} + 7000 *$   
 $X_{18\_95} +$   
 $7000 * X_{18\_96} + 7000 * X_{18\_97} + 7000 * X_{18\_98} + 4300 * X_{18\_99} +$   
 $7000 *$

$X_{18\_100} + 4300 * X_{18\_101} + 7000 * X_{18\_102} + 7000 * X_{18\_103} + 7000$   
 $* X_{18\_104} +$   
 $7000 * X_{18\_105} + 7000 * X_{18\_106} + 7000 * X_{18\_107} + 4300 * X_{18\_108}$   
 $+ 7000 *$   
 $X_{18\_109} + 4300 * X_{18\_110} + 7000 * X_{18\_111} + 4300 * X_{18\_112} + 7000$   
 $* X_{18\_113} +$   
 $7000 * X_{18\_114} + 7000 * X_{18\_115} + 4300 * X_{18\_116} + 4300 * X_{18\_117}$   
 $+ 7000 *$   
 $X_{18\_118} + 7000 * X_{18\_119} + 7000 * X_{18\_120} + 7000 * X_{18\_121} + 7000$   
 $* X_{18\_122} +$   
 $4300 * X_{18\_123} + 7000 * X_{18\_124} + 7000 * X_{18\_125} + 4300 * X_{18\_126}$   
 $+ 7000 *$   
 $X_{18\_127} + 7000 * X_{18\_128} + 7000 * X_{18\_129} + 4300 * X_{18\_130} + 7000$   
 $* X_{18\_131} +$   
 $7000 * X_{18\_132} + 7000 * X_{18\_133} + 7000 * X_{18\_134} + 4300 * X_{18\_135}$   
 $+ 4300 *$   
 $X_{18\_136} + 7000 * X_{18\_137} + 4300 * X_{18\_138} + 4300 * X_{18\_139} + 7000$   
 $* X_{18\_140} +$   
 $7000 * X_{18\_141} + 7000 * X_{18\_142} + 7000 * X_{18\_143} + 7000 * X_{18\_144}$   
 $+ 4300 *$   
 $X_{18\_145} + 7000 * X_{18\_146} + 7000 * X_{18\_147} + 4300 * X_{18\_148} + 7000$   
 $* X_{18\_149} +$   
 $7000 * X_{18\_150} + 7000 * X_{18\_151} + 4300 * X_{18\_152} + 7000 * X_{18\_153}$   
 $+ 7000 *$   
 $X_{18\_154} + 7000 * X_{18\_155} + 7000 * X_{18\_156} + 4300 * X_{18\_157} + 4300$   
 $* X_{18\_158} +$   
 $7000 * X_{18\_159} + 7000 * X_{18\_160} + 4300 * X_{18\_161} + 4300 * X_{18\_162}$   
 $+ 7000 *$   
 $X_{18\_163} + 7000 * X_{18\_164} + 7000 * X_{18\_165} + 7000 * X_{18\_166} + 7000$   
 $* X_{18\_167} +$   
 $4300 * X_{18\_168} + 4300 * X_{18\_169} + 4300 * X_{18\_170} + 7000 * X_{18\_171}$   
 $+ 7000 *$   
 $X_{18\_172} + 7000 * X_{18\_173} + 7000 * X_{18\_174} + 7000 * X_{18\_175} + 7000$   
 $* X_{18\_176} +$   
 $7000 * X_{18\_177} + 7000 * X_{18\_178} + 7000 * X_{18\_179} + 4300 * X_{18\_180}$   
 $+ 7000 *$   
 $X_{18\_181} + 4300 * X_{18\_182} + 7000 * X_{18\_183} + 4300 * X_{18\_184} + 7000$   
 $* X_{18\_185} +$   
 $4300 * X_{18\_186} + 7000 * X_{18\_187} + 7000 * X_{18\_188} + 7000 * X_{18\_189}$   
 $+ 4300 *$   
 $X_{18\_190} + 7000 * X_{18\_191} + 7000 * X_{18\_192} + 7000 * X_{18\_193} + 7000$   
 $* X_{18\_194} +$   
 $4300 * X_{18\_195} + 7000 * X_{18\_196} + 7000 * X_{18\_197} + 4300 * X_{18\_198}$   
 $+ 4300 *$   
 $X_{18\_199} + 7000 * X_{18\_200} + 7000 * X_{18\_201} + 7000 * X_{18\_202} + 7000$   
 $* X_{18\_203} +$   
 $7000 * X_{18\_204} + 4300 * X_{18\_205} + 4300 * X_{18\_206} + 7000 * X_{18\_207}$   
 $+ 7000 *$   
 $X_{18\_208} + 4300 * X_{18\_209} + 7000 * X_{18\_210} + 4300 * X_{18\_211} + 7000$   
 $* X_{18\_212} +$   
 $7000 * X_{18\_213} + 7000 * X_{18\_214} + 7000 * X_{18\_215} + 7000 * X_{18\_216}$   
 $+ 7000 *$   
 $X_{18\_217} + 7000 * X_{18\_218} + 4300 * X_{18\_219} + 4300 * X_{18\_220} + 7000$   
 $* X_{18\_221} +$   
 $7000 * X_{18\_222} + 7000 * X_{18\_223} + 4300 * X_{18\_224} + 7000 * X_{18\_225}$   
 $+ 4300 *$

$X_{18\_226} + 7000 * X_{18\_227} + 7000 * X_{18\_228} + 4300 * X_{18\_229} + 7000$   
 $* X_{18\_230} +$   
 $7000 * X_{18\_231} + 7000 * X_{18\_232} + 7000 * X_{18\_233} + 4300 * X_{18\_234}$   
 $+ 7000 *$   
 $X_{18\_235} + 7000 * X_{18\_236} + 7000 * X_{18\_237} + 4300 * X_{18\_238} + 7000$   
 $* X_{18\_239} +$   
 $4300 * X_{18\_240} - \text{PAGATOTAL\_18} = 0;$   
 $[_{1778}] 7000 * X_{19\_1} + 7000 * X_{19\_2} + 7000 * X_{19\_3} + 7000 * X_{19\_4}$   
 $+ 4300 *$   
 $X_{19\_5} + 4300 * X_{19\_6} + 4300 * X_{19\_7} + 7000 * X_{19\_8} + 7000 *$   
 $X_{19\_9} + 4300 *$   
 $X_{19\_10} + 7000 * X_{19\_11} + 7000 * X_{19\_12} + 7000 * X_{19\_13} + 7000 *$   
 $X_{19\_14} + 7000$   
 $* X_{19\_15} + 4300 * X_{19\_16} + 7000 * X_{19\_17} + 7000 * X_{19\_18} + 7000 *$   
 $X_{19\_19} +$   
 $7000 * X_{19\_20} + 7000 * X_{19\_21} + 4300 * X_{19\_22} + 4300 * X_{19\_23} +$   
 $4300 * X_{19\_24}$   
 $+ 7000 * X_{19\_25} + 4300 * X_{19\_26} + 7000 * X_{19\_27} + 7000 * X_{19\_28} +$   
 $7000 *$   
 $X_{19\_29} + 7000 * X_{19\_30} + 4300 * X_{19\_31} + 7000 * X_{19\_32} + 7000 *$   
 $X_{19\_33} + 7000$   
 $* X_{19\_34} + 7000 * X_{19\_35} + 7000 * X_{19\_36} + 7000 * X_{19\_37} + 4300 *$   
 $X_{19\_38} +$   
 $4300 * X_{19\_39} + 4300 * X_{19\_40} + 4300 * X_{19\_41} + 4300 * X_{19\_42} +$   
 $7000 * X_{19\_43}$   
 $+ 7000 * X_{19\_44} + 7000 * X_{19\_45} + 7000 * X_{19\_46} + 7000 * X_{19\_47} +$   
 $7000 *$   
 $X_{19\_48} + 7000 * X_{19\_49} + 7000 * X_{19\_50} + 7000 * X_{19\_51} + 7000 *$   
 $X_{19\_52} + 7000$   
 $* X_{19\_53} + 4300 * X_{19\_54} + 4300 * X_{19\_55} + 4300 * X_{19\_56} + 7000 *$   
 $X_{19\_57} +$   
 $7000 * X_{19\_58} + 4300 * X_{19\_59} + 7000 * X_{19\_60} + 7000 * X_{19\_61} +$   
 $7000 * X_{19\_62}$   
 $+ 4300 * X_{19\_63} + 7000 * X_{19\_64} + 7000 * X_{19\_65} + 7000 * X_{19\_66} +$   
 $7000 *$   
 $X_{19\_67} + 4300 * X_{19\_68} + 7000 * X_{19\_69} + 4300 * X_{19\_70} + 4300 *$   
 $X_{19\_71} + 7000$   
 $* X_{19\_72} + 7000 * X_{19\_73} + 7000 * X_{19\_74} + 4300 * X_{19\_75} + 7000 *$   
 $X_{19\_76} +$   
 $4300 * X_{19\_77} + 7000 * X_{19\_78} + 7000 * X_{19\_79} + 7000 * X_{19\_80} +$   
 $4300 * X_{19\_81}$   
 $+ 7000 * X_{19\_82} + 7000 * X_{19\_83} + 4300 * X_{19\_84} + 7000 * X_{19\_85} +$   
 $7000 *$   
 $X_{19\_86} + 7000 * X_{19\_87} + 4300 * X_{19\_88} + 4300 * X_{19\_89} + 4300 *$   
 $X_{19\_90} + 7000$   
 $* X_{19\_91} + 7000 * X_{19\_92} + 7000 * X_{19\_93} + 4300 * X_{19\_94} + 7000 *$   
 $X_{19\_95} +$   
 $7000 * X_{19\_96} + 7000 * X_{19\_97} + 7000 * X_{19\_98} + 4300 * X_{19\_99} +$   
 $7000 *$   
 $X_{19\_100} + 4300 * X_{19\_101} + 7000 * X_{19\_102} + 7000 * X_{19\_103} + 7000$   
 $* X_{19\_104} +$   
 $7000 * X_{19\_105} + 7000 * X_{19\_106} + 7000 * X_{19\_107} + 4300 * X_{19\_108}$   
 $+ 7000 *$   
 $X_{19\_109} + 4300 * X_{19\_110} + 7000 * X_{19\_111} + 4300 * X_{19\_112} + 7000$   
 $* X_{19\_113} +$   
 $7000 * X_{19\_114} + 7000 * X_{19\_115} + 4300 * X_{19\_116} + 4300 * X_{19\_117}$   
 $+ 7000 *$

$X_{19\_118} + 7000 * X_{19\_119} + 7000 * X_{19\_120} + 7000 * X_{19\_121} + 7000$   
 $* X_{19\_122} +$   
 $4300 * X_{19\_123} + 7000 * X_{19\_124} + 7000 * X_{19\_125} + 4300 * X_{19\_126}$   
 $+ 7000 * X_{19\_127} + 7000 * X_{19\_128} + 7000 * X_{19\_129} + 4300 * X_{19\_130} + 7000$   
 $* X_{19\_131} +$   
 $7000 * X_{19\_132} + 7000 * X_{19\_133} + 7000 * X_{19\_134} + 4300 * X_{19\_135}$   
 $+ 4300 * X_{19\_136} + 7000 * X_{19\_137} + 4300 * X_{19\_138} + 4300 * X_{19\_139} + 7000$   
 $* X_{19\_140} +$   
 $7000 * X_{19\_141} + 7000 * X_{19\_142} + 7000 * X_{19\_143} + 7000 * X_{19\_144}$   
 $+ 4300 * X_{19\_145} + 7000 * X_{19\_146} + 7000 * X_{19\_147} + 4300 * X_{19\_148} + 7000$   
 $* X_{19\_149} +$   
 $7000 * X_{19\_150} + 7000 * X_{19\_151} + 4300 * X_{19\_152} + 7000 * X_{19\_153}$   
 $+ 7000 * X_{19\_154} + 7000 * X_{19\_155} + 7000 * X_{19\_156} + 4300 * X_{19\_157} + 4300$   
 $* X_{19\_158} +$   
 $7000 * X_{19\_159} + 7000 * X_{19\_160} + 4300 * X_{19\_161} + 4300 * X_{19\_162}$   
 $+ 7000 * X_{19\_163} + 7000 * X_{19\_164} + 7000 * X_{19\_165} + 7000 * X_{19\_166} + 7000$   
 $* X_{19\_167} +$   
 $4300 * X_{19\_168} + 4300 * X_{19\_169} + 4300 * X_{19\_170} + 7000 * X_{19\_171}$   
 $+ 7000 * X_{19\_172} + 7000 * X_{19\_173} + 7000 * X_{19\_174} + 7000 * X_{19\_175} + 7000$   
 $* X_{19\_176} +$   
 $7000 * X_{19\_177} + 7000 * X_{19\_178} + 7000 * X_{19\_179} + 4300 * X_{19\_180}$   
 $+ 7000 * X_{19\_181} + 4300 * X_{19\_182} + 7000 * X_{19\_183} + 4300 * X_{19\_184} + 7000$   
 $* X_{19\_185} +$   
 $4300 * X_{19\_186} + 7000 * X_{19\_187} + 7000 * X_{19\_188} + 7000 * X_{19\_189}$   
 $+ 4300 * X_{19\_190} + 7000 * X_{19\_191} + 7000 * X_{19\_192} + 7000 * X_{19\_193} + 7000$   
 $* X_{19\_194} +$   
 $4300 * X_{19\_195} + 7000 * X_{19\_196} + 7000 * X_{19\_197} + 4300 * X_{19\_198}$   
 $+ 4300 * X_{19\_199} + 7000 * X_{19\_200} + 7000 * X_{19\_201} + 7000 * X_{19\_202} + 7000$   
 $* X_{19\_203} +$   
 $7000 * X_{19\_204} + 4300 * X_{19\_205} + 4300 * X_{19\_206} + 7000 * X_{19\_207}$   
 $+ 7000 * X_{19\_208} + 4300 * X_{19\_209} + 7000 * X_{19\_210} + 4300 * X_{19\_211} + 7000$   
 $* X_{19\_212} +$   
 $7000 * X_{19\_213} + 7000 * X_{19\_214} + 7000 * X_{19\_215} + 7000 * X_{19\_216}$   
 $+ 7000 * X_{19\_217} + 7000 * X_{19\_218} + 4300 * X_{19\_219} + 4300 * X_{19\_220} + 7000$   
 $* X_{19\_221} +$   
 $7000 * X_{19\_222} + 7000 * X_{19\_223} + 4300 * X_{19\_224} + 7000 * X_{19\_225}$   
 $+ 4300 * X_{19\_226} + 7000 * X_{19\_227} + 7000 * X_{19\_228} + 4300 * X_{19\_229} + 7000$   
 $* X_{19\_230} +$   
 $7000 * X_{19\_231} + 7000 * X_{19\_232} + 7000 * X_{19\_233} + 4300 * X_{19\_234}$   
 $+ 7000 * X_{19\_235} + 7000 * X_{19\_236} + 7000 * X_{19\_237} + 4300 * X_{19\_238} + 7000$   
 $* X_{19\_239} +$   
 $4300 * X_{19\_240} - \text{PAGATOTAL}_{19} = 0;$   
 $[_{1779}] 7000 * X_{20\_1} + 7000 * X_{20\_2} + 7000 * X_{20\_3} + 7000 * X_{20\_4}$   
 $+ 4300 *$

$X_{20\_5} + 4300 * X_{20\_6} + 4300 * X_{20\_7} + 7000 * X_{20\_8} + 7000 * X_{20\_9} + 4300 * X_{20\_10} + 7000 * X_{20\_11} + 7000 * X_{20\_12} + 7000 * X_{20\_13} + 7000 * X_{20\_14} + 7000 * X_{20\_15} + 4300 * X_{20\_16} + 7000 * X_{20\_17} + 7000 * X_{20\_18} + 7000 * X_{20\_19} + 7000 * X_{20\_20} + 7000 * X_{20\_21} + 4300 * X_{20\_22} + 4300 * X_{20\_23} + 4300 * X_{20\_24} + 7000 * X_{20\_25} + 4300 * X_{20\_26} + 7000 * X_{20\_27} + 7000 * X_{20\_28} + 7000 * X_{20\_29} + 7000 * X_{20\_30} + 4300 * X_{20\_31} + 7000 * X_{20\_32} + 7000 * X_{20\_33} + 7000 * X_{20\_34} + 7000 * X_{20\_35} + 7000 * X_{20\_36} + 7000 * X_{20\_37} + 4300 * X_{20\_38} + 4300 * X_{20\_39} + 4300 * X_{20\_40} + 4300 * X_{20\_41} + 4300 * X_{20\_42} + 7000 * X_{20\_43} + 7000 * X_{20\_44} + 7000 * X_{20\_45} + 7000 * X_{20\_46} + 7000 * X_{20\_47} + 7000 * X_{20\_48} + 7000 * X_{20\_49} + 7000 * X_{20\_50} + 7000 * X_{20\_51} + 7000 * X_{20\_52} + 7000 * X_{20\_53} + 4300 * X_{20\_54} + 4300 * X_{20\_55} + 4300 * X_{20\_56} + 7000 * X_{20\_57} + 7000 * X_{20\_58} + 4300 * X_{20\_59} + 7000 * X_{20\_60} + 7000 * X_{20\_61} + 7000 * X_{20\_62} + 4300 * X_{20\_63} + 7000 * X_{20\_64} + 7000 * X_{20\_65} + 7000 * X_{20\_66} + 7000 * X_{20\_67} + 4300 * X_{20\_68} + 7000 * X_{20\_69} + 4300 * X_{20\_70} + 4300 * X_{20\_71} + 7000 * X_{20\_72} + 7000 * X_{20\_73} + 7000 * X_{20\_74} + 4300 * X_{20\_75} + 7000 * X_{20\_76} + 4300 * X_{20\_77} + 7000 * X_{20\_78} + 7000 * X_{20\_79} + 7000 * X_{20\_80} + 4300 * X_{20\_81} + 7000 * X_{20\_82} + 7000 * X_{20\_83} + 4300 * X_{20\_84} + 7000 * X_{20\_85} + 7000 * X_{20\_86} + 7000 * X_{20\_87} + 4300 * X_{20\_88} + 4300 * X_{20\_89} + 4300 * X_{20\_90} + 7000 * X_{20\_91} + 7000 * X_{20\_92} + 7000 * X_{20\_93} + 4300 * X_{20\_94} + 7000 * X_{20\_95} + 7000 * X_{20\_96} + 7000 * X_{20\_97} + 7000 * X_{20\_98} + 4300 * X_{20\_99} + 7000 * X_{20\_100} + 4300 * X_{20\_101} + 7000 * X_{20\_102} + 7000 * X_{20\_103} + 7000 * X_{20\_104} + 7000 * X_{20\_105} + 7000 * X_{20\_106} + 7000 * X_{20\_107} + 4300 * X_{20\_108} + 7000 * X_{20\_109} + 4300 * X_{20\_110} + 7000 * X_{20\_111} + 4300 * X_{20\_112} + 7000 * X_{20\_113} + 7000 * X_{20\_114} + 7000 * X_{20\_115} + 4300 * X_{20\_116} + 4300 * X_{20\_117} + 7000 * X_{20\_118} + 7000 * X_{20\_119} + 7000 * X_{20\_120} + 7000 * X_{20\_121} + 7000 * X_{20\_122} + 4300 * X_{20\_123} + 7000 * X_{20\_124} + 7000 * X_{20\_125} + 4300 * X_{20\_126} + 7000 * X_{20\_127} + 7000 * X_{20\_128} + 7000 * X_{20\_129} + 4300 * X_{20\_130} + 7000 * X_{20\_131} + 7000 * X_{20\_132} + 7000 * X_{20\_133} + 7000 * X_{20\_134} + 4300 * X_{20\_135} + 4300 *$



$X_{20\_136} + 7000 * X_{20\_137} + 4300 * X_{20\_138} + 4300 * X_{20\_139} + 7000$   
 $* X_{20\_140} +$   
 $7000 * X_{20\_141} + 7000 * X_{20\_142} + 7000 * X_{20\_143} + 7000 * X_{20\_144}$   
 $+ 4300 *$   
 $X_{20\_145} + 7000 * X_{20\_146} + 7000 * X_{20\_147} + 4300 * X_{20\_148} + 7000$   
 $* X_{20\_149} +$   
 $7000 * X_{20\_150} + 7000 * X_{20\_151} + 4300 * X_{20\_152} + 7000 * X_{20\_153}$   
 $+ 7000 *$   
 $X_{20\_154} + 7000 * X_{20\_155} + 7000 * X_{20\_156} + 4300 * X_{20\_157} + 4300$   
 $* X_{20\_158} +$   
 $7000 * X_{20\_159} + 7000 * X_{20\_160} + 4300 * X_{20\_161} + 4300 * X_{20\_162}$   
 $+ 7000 *$   
 $X_{20\_163} + 7000 * X_{20\_164} + 7000 * X_{20\_165} + 7000 * X_{20\_166} + 7000$   
 $* X_{20\_167} +$   
 $4300 * X_{20\_168} + 4300 * X_{20\_169} + 4300 * X_{20\_170} + 7000 * X_{20\_171}$   
 $+ 7000 *$   
 $X_{20\_172} + 7000 * X_{20\_173} + 7000 * X_{20\_174} + 7000 * X_{20\_175} + 7000$   
 $* X_{20\_176} +$   
 $7000 * X_{20\_177} + 7000 * X_{20\_178} + 7000 * X_{20\_179} + 4300 * X_{20\_180}$   
 $+ 7000 *$   
 $X_{20\_181} + 4300 * X_{20\_182} + 7000 * X_{20\_183} + 4300 * X_{20\_184} + 7000$   
 $* X_{20\_185} +$   
 $4300 * X_{20\_186} + 7000 * X_{20\_187} + 7000 * X_{20\_188} + 7000 * X_{20\_189}$   
 $+ 4300 *$   
 $X_{20\_190} + 7000 * X_{20\_191} + 7000 * X_{20\_192} + 7000 * X_{20\_193} + 7000$   
 $* X_{20\_194} +$   
 $4300 * X_{20\_195} + 7000 * X_{20\_196} + 7000 * X_{20\_197} + 4300 * X_{20\_198}$   
 $+ 4300 *$   
 $X_{20\_199} + 7000 * X_{20\_200} + 7000 * X_{20\_201} + 7000 * X_{20\_202} + 7000$   
 $* X_{20\_203} +$   
 $7000 * X_{20\_204} + 4300 * X_{20\_205} + 4300 * X_{20\_206} + 7000 * X_{20\_207}$   
 $+ 7000 *$   
 $X_{20\_208} + 4300 * X_{20\_209} + 7000 * X_{20\_210} + 4300 * X_{20\_211} + 7000$   
 $* X_{20\_212} +$   
 $7000 * X_{20\_213} + 7000 * X_{20\_214} + 7000 * X_{20\_215} + 7000 * X_{20\_216}$   
 $+ 7000 *$   
 $X_{20\_217} + 7000 * X_{20\_218} + 4300 * X_{20\_219} + 4300 * X_{20\_220} + 7000$   
 $* X_{20\_221} +$   
 $7000 * X_{20\_222} + 7000 * X_{20\_223} + 4300 * X_{20\_224} + 7000 * X_{20\_225}$   
 $+ 4300 *$   
 $X_{20\_226} + 7000 * X_{20\_227} + 7000 * X_{20\_228} + 4300 * X_{20\_229} + 7000$   
 $* X_{20\_230} +$   
 $7000 * X_{20\_231} + 7000 * X_{20\_232} + 7000 * X_{20\_233} + 4300 * X_{20\_234}$   
 $+ 7000 *$   
 $X_{20\_235} + 7000 * X_{20\_236} + 7000 * X_{20\_237} + 4300 * X_{20\_238} + 7000$   
 $* X_{20\_239} +$   
 $4300 * X_{20\_240} - \text{PAGATOTAL}_{20} = 0;$   
 $[_{1780}] 8500 * X_{21\_1} + 8500 * X_{21\_2} + 8500 * X_{21\_3} + 8500 * X_{21\_4}$   
 $+ 5800 *$   
 $X_{21\_5} + 5800 * X_{21\_6} + 5800 * X_{21\_7} + 8500 * X_{21\_8} + 8500 *$   
 $X_{21\_9} + 5800 *$   
 $X_{21\_10} + 8500 * X_{21\_11} + 8500 * X_{21\_12} + 8500 * X_{21\_13} + 8500 *$   
 $X_{21\_14} + 8500$   
 $* X_{21\_15} + 5800 * X_{21\_16} + 8500 * X_{21\_17} + 8500 * X_{21\_18} + 8500 *$   
 $X_{21\_19} +$   
 $8500 * X_{21\_20} + 8500 * X_{21\_21} + 5800 * X_{21\_22} + 5800 * X_{21\_23} +$   
 $5800 * X_{21\_24}$

+ 8500 \* X\_21\_25 + 5800 \* X\_21\_26 + 8500 \* X\_21\_27 + 8500 \* X\_21\_28 +  
 8500 \*  
 X\_21\_29 + 8500 \* X\_21\_30 + 5800 \* X\_21\_31 + 8500 \* X\_21\_32 + 8500 \*  
 X\_21\_33 + 8500  
 \* X\_21\_34 + 8500 \* X\_21\_35 + 8500 \* X\_21\_36 + 8500 \* X\_21\_37 + 5800 \*  
 X\_21\_38 +  
 5800 \* X\_21\_39 + 5800 \* X\_21\_40 + 5800 \* X\_21\_41 + 5800 \* X\_21\_42 +  
 8500 \* X\_21\_43  
 + 8500 \* X\_21\_44 + 8500 \* X\_21\_45 + 8500 \* X\_21\_46 + 8500 \* X\_21\_47 +  
 8500 \*  
 X\_21\_48 + 8500 \* X\_21\_49 + 8500 \* X\_21\_50 + 8500 \* X\_21\_51 + 8500 \*  
 X\_21\_52 + 8500  
 \* X\_21\_53 + 5800 \* X\_21\_54 + 5800 \* X\_21\_55 + 5800 \* X\_21\_56 + 8500 \*  
 X\_21\_57 +  
 8500 \* X\_21\_58 + 5800 \* X\_21\_59 + 8500 \* X\_21\_60 + 8500 \* X\_21\_61 +  
 8500 \* X\_21\_62  
 + 5800 \* X\_21\_63 + 8500 \* X\_21\_64 + 8500 \* X\_21\_65 + 8500 \* X\_21\_66 +  
 8500 \*  
 X\_21\_67 + 5800 \* X\_21\_68 + 8500 \* X\_21\_69 + 5800 \* X\_21\_70 + 5800 \*  
 X\_21\_71 + 8500  
 \* X\_21\_72 + 8500 \* X\_21\_73 + 8500 \* X\_21\_74 + 5800 \* X\_21\_75 + 8500 \*  
 X\_21\_76 +  
 5800 \* X\_21\_77 + 8500 \* X\_21\_78 + 8500 \* X\_21\_79 + 8500 \* X\_21\_80 +  
 5800 \* X\_21\_81  
 + 8500 \* X\_21\_82 + 8500 \* X\_21\_83 + 5800 \* X\_21\_84 + 8500 \* X\_21\_85 +  
 8500 \*  
 X\_21\_86 + 8500 \* X\_21\_87 + 5800 \* X\_21\_88 + 5800 \* X\_21\_89 + 5800 \*  
 X\_21\_90 + 8500  
 \* X\_21\_91 + 8500 \* X\_21\_92 + 8500 \* X\_21\_93 + 5800 \* X\_21\_94 + 8500 \*  
 X\_21\_95 +  
 8500 \* X\_21\_96 + 8500 \* X\_21\_97 + 8500 \* X\_21\_98 + 5800 \* X\_21\_99 +  
 8500 \*  
 X\_21\_100 + 5800 \* X\_21\_101 + 8500 \* X\_21\_102 + 8500 \* X\_21\_103 + 8500  
 \* X\_21\_104 +  
 8500 \* X\_21\_105 + 8500 \* X\_21\_106 + 8500 \* X\_21\_107 + 5800 \* X\_21\_108  
 + 8500 \*  
 X\_21\_109 + 5800 \* X\_21\_110 + 8500 \* X\_21\_111 + 5800 \* X\_21\_112 + 8500  
 \* X\_21\_113 +  
 8500 \* X\_21\_114 + 8500 \* X\_21\_115 + 5800 \* X\_21\_116 + 5800 \* X\_21\_117  
 + 8500 \*  
 X\_21\_118 + 8500 \* X\_21\_119 + 8500 \* X\_21\_120 + 8500 \* X\_21\_121 + 8500  
 \* X\_21\_122 +  
 5800 \* X\_21\_123 + 8500 \* X\_21\_124 + 8500 \* X\_21\_125 + 5800 \* X\_21\_126  
 + 8500 \*  
 X\_21\_127 + 8500 \* X\_21\_128 + 8500 \* X\_21\_129 + 5800 \* X\_21\_130 + 8500  
 \* X\_21\_131 +  
 8500 \* X\_21\_132 + 8500 \* X\_21\_133 + 8500 \* X\_21\_134 + 5800 \* X\_21\_135  
 + 5800 \*  
 X\_21\_136 + 8500 \* X\_21\_137 + 5800 \* X\_21\_138 + 5800 \* X\_21\_139 + 8500  
 \* X\_21\_140 +  
 8500 \* X\_21\_141 + 8500 \* X\_21\_142 + 8500 \* X\_21\_143 + 8500 \* X\_21\_144  
 + 5800 \*  
 X\_21\_145 + 8500 \* X\_21\_146 + 8500 \* X\_21\_147 + 5800 \* X\_21\_148 + 8500  
 \* X\_21\_149 +  
 8500 \* X\_21\_150 + 8500 \* X\_21\_151 + 5800 \* X\_21\_152 + 8500 \* X\_21\_153  
 + 8500 \*

$X_{21\_154} + 8500 * X_{21\_155} + 8500 * X_{21\_156} + 5800 * X_{21\_157} + 5800$   
 $* X_{21\_158} +$   
 $8500 * X_{21\_159} + 8500 * X_{21\_160} + 5800 * X_{21\_161} + 5800 * X_{21\_162}$   
 $+ 8500 * X_{21\_163} + 8500 * X_{21\_164} + 8500 * X_{21\_165} + 8500 * X_{21\_166} + 8500$   
 $* X_{21\_167} +$   
 $5800 * X_{21\_168} + 5800 * X_{21\_169} + 5800 * X_{21\_170} + 8500 * X_{21\_171}$   
 $+ 8500 * X_{21\_172} + 8500 * X_{21\_173} + 8500 * X_{21\_174} + 8500 * X_{21\_175} + 8500$   
 $* X_{21\_176} +$   
 $8500 * X_{21\_177} + 8500 * X_{21\_178} + 8500 * X_{21\_179} + 5800 * X_{21\_180}$   
 $+ 8500 * X_{21\_181} + 5800 * X_{21\_182} + 8500 * X_{21\_183} + 5800 * X_{21\_184} + 8500$   
 $* X_{21\_185} +$   
 $5800 * X_{21\_186} + 8500 * X_{21\_187} + 8500 * X_{21\_188} + 8500 * X_{21\_189}$   
 $+ 5800 * X_{21\_190} + 8500 * X_{21\_191} + 8500 * X_{21\_192} + 8500 * X_{21\_193} + 8500$   
 $* X_{21\_194} +$   
 $5800 * X_{21\_195} + 8500 * X_{21\_196} + 8500 * X_{21\_197} + 5800 * X_{21\_198}$   
 $+ 5800 * X_{21\_199} + 8500 * X_{21\_200} + 8500 * X_{21\_201} + 8500 * X_{21\_202} + 8500$   
 $* X_{21\_203} +$   
 $8500 * X_{21\_204} + 5800 * X_{21\_205} + 5800 * X_{21\_206} + 8500 * X_{21\_207}$   
 $+ 8500 * X_{21\_208} + 5800 * X_{21\_209} + 8500 * X_{21\_210} + 5800 * X_{21\_211} + 8500$   
 $* X_{21\_212} +$   
 $8500 * X_{21\_213} + 8500 * X_{21\_214} + 8500 * X_{21\_215} + 8500 * X_{21\_216}$   
 $+ 8500 * X_{21\_217} + 8500 * X_{21\_218} + 5800 * X_{21\_219} + 5800 * X_{21\_220} + 8500$   
 $* X_{21\_221} +$   
 $8500 * X_{21\_222} + 8500 * X_{21\_223} + 5800 * X_{21\_224} + 8500 * X_{21\_225}$   
 $+ 5800 * X_{21\_226} + 8500 * X_{21\_227} + 8500 * X_{21\_228} + 5800 * X_{21\_229} + 8500$   
 $* X_{21\_230} +$   
 $8500 * X_{21\_231} + 8500 * X_{21\_232} + 8500 * X_{21\_233} + 5800 * X_{21\_234}$   
 $+ 8500 * X_{21\_235} + 8500 * X_{21\_236} + 8500 * X_{21\_237} + 5800 * X_{21\_238} + 8500$   
 $* X_{21\_239} +$   
 $5800 * X_{21\_240} - \text{PAGATOTAL}_{21} = 0;$   
 $[_{1781}] 7300 * X_{22\_1} + 7300 * X_{22\_2} + 7300 * X_{22\_3} + 7300 * X_{22\_4}$   
 $+ 4600 * X_{22\_5} + 4600 * X_{22\_6} + 4600 * X_{22\_7} + 7300 * X_{22\_8} + 7300 * X_{22\_9} + 4600 * X_{22\_10} + 7300 * X_{22\_11} + 7300 * X_{22\_12} + 7300 * X_{22\_13} + 7300 * X_{22\_14} + 7300 * X_{22\_15} + 4600 * X_{22\_16} + 7300 * X_{22\_17} + 7300 * X_{22\_18} + 7300 * X_{22\_19} + 7300 * X_{22\_20} + 7300 * X_{22\_21} + 4600 * X_{22\_22} + 4600 * X_{22\_23} + 4600 * X_{22\_24} + 7300 * X_{22\_25} + 4600 * X_{22\_26} + 7300 * X_{22\_27} + 7300 * X_{22\_28} + 7300 * X_{22\_29} + 7300 * X_{22\_30} + 4600 * X_{22\_31} + 7300 * X_{22\_32} + 7300 * X_{22\_33} + 7300 * X_{22\_34} + 7300 * X_{22\_35} + 7300 * X_{22\_36} + 7300 * X_{22\_37} + 4600 * X_{22\_38} + 4600 * X_{22\_39} + 4600 * X_{22\_40} + 4600 * X_{22\_41} + 4600 * X_{22\_42} + 7300 * X_{22\_43}$

+ 7300 \* X\_22\_44 + 7300 \* X\_22\_45 + 7300 \* X\_22\_46 + 7300 \* X\_22\_47 +  
 7300 \*  
 X\_22\_48 + 7300 \* X\_22\_49 + 7300 \* X\_22\_50 + 7300 \* X\_22\_51 + 7300 \*  
 X\_22\_52 + 7300  
 \* X\_22\_53 + 4600 \* X\_22\_54 + 4600 \* X\_22\_55 + 4600 \* X\_22\_56 + 7300 \*  
 X\_22\_57 +  
 7300 \* X\_22\_58 + 4600 \* X\_22\_59 + 7300 \* X\_22\_60 + 7300 \* X\_22\_61 +  
 7300 \* X\_22\_62  
 + 4600 \* X\_22\_63 + 7300 \* X\_22\_64 + 7300 \* X\_22\_65 + 7300 \* X\_22\_66 +  
 7300 \*  
 X\_22\_67 + 4600 \* X\_22\_68 + 7300 \* X\_22\_69 + 4600 \* X\_22\_70 + 4600 \*  
 X\_22\_71 + 7300  
 \* X\_22\_72 + 7300 \* X\_22\_73 + 7300 \* X\_22\_74 + 4600 \* X\_22\_75 + 7300 \*  
 X\_22\_76 +  
 4600 \* X\_22\_77 + 7300 \* X\_22\_78 + 7300 \* X\_22\_79 + 7300 \* X\_22\_80 +  
 4600 \* X\_22\_81  
 + 7300 \* X\_22\_82 + 7300 \* X\_22\_83 + 4600 \* X\_22\_84 + 7300 \* X\_22\_85 +  
 7300 \*  
 X\_22\_86 + 7300 \* X\_22\_87 + 4600 \* X\_22\_88 + 4600 \* X\_22\_89 + 4600 \*  
 X\_22\_90 + 7300  
 \* X\_22\_91 + 7300 \* X\_22\_92 + 7300 \* X\_22\_93 + 4600 \* X\_22\_94 + 7300 \*  
 X\_22\_95 +  
 7300 \* X\_22\_96 + 7300 \* X\_22\_97 + 7300 \* X\_22\_98 + 4600 \* X\_22\_99 +  
 7300 \*  
 X\_22\_100 + 4600 \* X\_22\_101 + 7300 \* X\_22\_102 + 7300 \* X\_22\_103 + 7300  
 \* X\_22\_104 +  
 7300 \* X\_22\_105 + 7300 \* X\_22\_106 + 7300 \* X\_22\_107 + 4600 \* X\_22\_108  
 + 7300 \*  
 X\_22\_109 + 4600 \* X\_22\_110 + 7300 \* X\_22\_111 + 4600 \* X\_22\_112 + 7300  
 \* X\_22\_113 +  
 7300 \* X\_22\_114 + 7300 \* X\_22\_115 + 4600 \* X\_22\_116 + 4600 \* X\_22\_117  
 + 7300 \*  
 X\_22\_118 + 7300 \* X\_22\_119 + 7300 \* X\_22\_120 + 7300 \* X\_22\_121 + 7300  
 \* X\_22\_122 +  
 4600 \* X\_22\_123 + 7300 \* X\_22\_124 + 7300 \* X\_22\_125 + 4600 \* X\_22\_126  
 + 7300 \*  
 X\_22\_127 + 7300 \* X\_22\_128 + 7300 \* X\_22\_129 + 4600 \* X\_22\_130 + 7300  
 \* X\_22\_131 +  
 7300 \* X\_22\_132 + 7300 \* X\_22\_133 + 7300 \* X\_22\_134 + 4600 \* X\_22\_135  
 + 4600 \*  
 X\_22\_136 + 7300 \* X\_22\_137 + 4600 \* X\_22\_138 + 4600 \* X\_22\_139 + 7300  
 \* X\_22\_140 +  
 7300 \* X\_22\_141 + 7300 \* X\_22\_142 + 7300 \* X\_22\_143 + 7300 \* X\_22\_144  
 + 4600 \*  
 X\_22\_145 + 7300 \* X\_22\_146 + 7300 \* X\_22\_147 + 4600 \* X\_22\_148 + 7300  
 \* X\_22\_149 +  
 7300 \* X\_22\_150 + 7300 \* X\_22\_151 + 4600 \* X\_22\_152 + 7300 \* X\_22\_153  
 + 7300 \*  
 X\_22\_154 + 7300 \* X\_22\_155 + 7300 \* X\_22\_156 + 4600 \* X\_22\_157 + 4600  
 \* X\_22\_158 +  
 7300 \* X\_22\_159 + 7300 \* X\_22\_160 + 4600 \* X\_22\_161 + 4600 \* X\_22\_162  
 + 7300 \*  
 X\_22\_163 + 7300 \* X\_22\_164 + 7300 \* X\_22\_165 + 7300 \* X\_22\_166 + 7300  
 \* X\_22\_167 +  
 4600 \* X\_22\_168 + 4600 \* X\_22\_169 + 4600 \* X\_22\_170 + 7300 \* X\_22\_171  
 + 7300 \*

$X_{22\_172} + 7300 * X_{22\_173} + 7300 * X_{22\_174} + 7300 * X_{22\_175} + 7300$   
 $* X_{22\_176} +$   
 $7300 * X_{22\_177} + 7300 * X_{22\_178} + 7300 * X_{22\_179} + 4600 * X_{22\_180}$   
 $+ 7300 * X_{22\_181} + 4600 * X_{22\_182} + 7300 * X_{22\_183} + 4600 * X_{22\_184} + 7300$   
 $* X_{22\_185} +$   
 $4600 * X_{22\_186} + 7300 * X_{22\_187} + 7300 * X_{22\_188} + 7300 * X_{22\_189}$   
 $+ 4600 * X_{22\_190} + 7300 * X_{22\_191} + 7300 * X_{22\_192} + 7300 * X_{22\_193} + 7300$   
 $* X_{22\_194} +$   
 $4600 * X_{22\_195} + 7300 * X_{22\_196} + 7300 * X_{22\_197} + 4600 * X_{22\_198}$   
 $+ 4600 * X_{22\_199} + 7300 * X_{22\_200} + 7300 * X_{22\_201} + 7300 * X_{22\_202} + 7300$   
 $* X_{22\_203} +$   
 $7300 * X_{22\_204} + 4600 * X_{22\_205} + 4600 * X_{22\_206} + 7300 * X_{22\_207}$   
 $+ 7300 * X_{22\_208} + 4600 * X_{22\_209} + 7300 * X_{22\_210} + 4600 * X_{22\_211} + 7300$   
 $* X_{22\_212} +$   
 $7300 * X_{22\_213} + 7300 * X_{22\_214} + 7300 * X_{22\_215} + 7300 * X_{22\_216}$   
 $+ 7300 * X_{22\_217} + 7300 * X_{22\_218} + 4600 * X_{22\_219} + 4600 * X_{22\_220} + 7300$   
 $* X_{22\_221} +$   
 $7300 * X_{22\_222} + 7300 * X_{22\_223} + 4600 * X_{22\_224} + 7300 * X_{22\_225}$   
 $+ 4600 * X_{22\_226} + 7300 * X_{22\_227} + 7300 * X_{22\_228} + 4600 * X_{22\_229} + 7300$   
 $* X_{22\_230} +$   
 $7300 * X_{22\_231} + 7300 * X_{22\_232} + 7300 * X_{22\_233} + 4600 * X_{22\_234}$   
 $+ 7300 * X_{22\_235} + 7300 * X_{22\_236} + 7300 * X_{22\_237} + 4600 * X_{22\_238} + 7300$   
 $* X_{22\_239} +$   
 $4600 * X_{22\_240} - \text{PAGATOTAL}_{22} = 0;$   
 $[_{1782}] 7300 * X_{23\_1} + 7300 * X_{23\_2} + 7300 * X_{23\_3} + 7300 * X_{23\_4}$   
 $+ 4600 * X_{23\_5} + 4600 * X_{23\_6} + 4600 * X_{23\_7} + 7300 * X_{23\_8} + 7300 * X_{23\_9} + 4600 * X_{23\_10} + 7300 * X_{23\_11} + 7300 * X_{23\_12} + 7300 * X_{23\_13} + 7300 * X_{23\_14} + 7300 * X_{23\_15} + 4600 * X_{23\_16} + 7300 * X_{23\_17} + 7300 * X_{23\_18} + 7300 * X_{23\_19} + 7300 * X_{23\_20} + 7300 * X_{23\_21} + 4600 * X_{23\_22} + 4600 * X_{23\_23} + 4600 * X_{23\_24} + 7300 * X_{23\_25} + 4600 * X_{23\_26} + 7300 * X_{23\_27} + 7300 * X_{23\_28} + 7300 * X_{23\_29} + 7300 * X_{23\_30} + 4600 * X_{23\_31} + 7300 * X_{23\_32} + 7300 * X_{23\_33} + 7300 * X_{23\_34} + 7300 * X_{23\_35} + 7300 * X_{23\_36} + 7300 * X_{23\_37} + 4600 * X_{23\_38} + 4600 * X_{23\_39} + 4600 * X_{23\_40} + 4600 * X_{23\_41} + 4600 * X_{23\_42} + 7300 * X_{23\_43} + 7300 * X_{23\_44} + 7300 * X_{23\_45} + 7300 * X_{23\_46} + 7300 * X_{23\_47} + 7300 * X_{23\_48} + 7300 * X_{23\_49} + 7300 * X_{23\_50} + 7300 * X_{23\_51} + 7300 * X_{23\_52} + 7300 * X_{23\_53} + 4600 * X_{23\_54} + 4600 * X_{23\_55} + 4600 * X_{23\_56} + 7300 * X_{23\_57} + 7300 * X_{23\_58} + 4600 * X_{23\_59} + 7300 * X_{23\_60} + 7300 * X_{23\_61} + 7300 * X_{23\_62}$

+ 4600 \* X\_23\_63 + 7300 \* X\_23\_64 + 7300 \* X\_23\_65 + 7300 \* X\_23\_66 +  
 7300 \*  
 X\_23\_67 + 4600 \* X\_23\_68 + 7300 \* X\_23\_69 + 4600 \* X\_23\_70 + 4600 \*  
 X\_23\_71 + 7300  
 \* X\_23\_72 + 7300 \* X\_23\_73 + 7300 \* X\_23\_74 + 4600 \* X\_23\_75 + 7300 \*  
 X\_23\_76 +  
 4600 \* X\_23\_77 + 7300 \* X\_23\_78 + 7300 \* X\_23\_79 + 7300 \* X\_23\_80 +  
 4600 \* X\_23\_81  
 + 7300 \* X\_23\_82 + 7300 \* X\_23\_83 + 4600 \* X\_23\_84 + 7300 \* X\_23\_85 +  
 7300 \*  
 X\_23\_86 + 7300 \* X\_23\_87 + 4600 \* X\_23\_88 + 4600 \* X\_23\_89 + 4600 \*  
 X\_23\_90 + 7300  
 \* X\_23\_91 + 7300 \* X\_23\_92 + 7300 \* X\_23\_93 + 4600 \* X\_23\_94 + 7300 \*  
 X\_23\_95 +  
 7300 \* X\_23\_96 + 7300 \* X\_23\_97 + 7300 \* X\_23\_98 + 4600 \* X\_23\_99 +  
 7300 \*  
 X\_23\_100 + 4600 \* X\_23\_101 + 7300 \* X\_23\_102 + 7300 \* X\_23\_103 + 7300  
 \* X\_23\_104 +  
 7300 \* X\_23\_105 + 7300 \* X\_23\_106 + 7300 \* X\_23\_107 + 4600 \* X\_23\_108  
 + 7300 \*  
 X\_23\_109 + 4600 \* X\_23\_110 + 7300 \* X\_23\_111 + 4600 \* X\_23\_112 + 7300  
 \* X\_23\_113 +  
 7300 \* X\_23\_114 + 7300 \* X\_23\_115 + 4600 \* X\_23\_116 + 4600 \* X\_23\_117  
 + 7300 \*  
 X\_23\_118 + 7300 \* X\_23\_119 + 7300 \* X\_23\_120 + 7300 \* X\_23\_121 + 7300  
 \* X\_23\_122 +  
 4600 \* X\_23\_123 + 7300 \* X\_23\_124 + 7300 \* X\_23\_125 + 4600 \* X\_23\_126  
 + 7300 \*  
 X\_23\_127 + 7300 \* X\_23\_128 + 7300 \* X\_23\_129 + 4600 \* X\_23\_130 + 7300  
 \* X\_23\_131 +  
 7300 \* X\_23\_132 + 7300 \* X\_23\_133 + 7300 \* X\_23\_134 + 4600 \* X\_23\_135  
 + 4600 \*  
 X\_23\_136 + 7300 \* X\_23\_137 + 4600 \* X\_23\_138 + 4600 \* X\_23\_139 + 7300  
 \* X\_23\_140 +  
 7300 \* X\_23\_141 + 7300 \* X\_23\_142 + 7300 \* X\_23\_143 + 7300 \* X\_23\_144  
 + 4600 \*  
 X\_23\_145 + 7300 \* X\_23\_146 + 7300 \* X\_23\_147 + 4600 \* X\_23\_148 + 7300  
 \* X\_23\_149 +  
 7300 \* X\_23\_150 + 7300 \* X\_23\_151 + 4600 \* X\_23\_152 + 7300 \* X\_23\_153  
 + 7300 \*  
 X\_23\_154 + 7300 \* X\_23\_155 + 7300 \* X\_23\_156 + 4600 \* X\_23\_157 + 4600  
 \* X\_23\_158 +  
 7300 \* X\_23\_159 + 7300 \* X\_23\_160 + 4600 \* X\_23\_161 + 4600 \* X\_23\_162  
 + 7300 \*  
 X\_23\_163 + 7300 \* X\_23\_164 + 7300 \* X\_23\_165 + 7300 \* X\_23\_166 + 7300  
 \* X\_23\_167 +  
 4600 \* X\_23\_168 + 4600 \* X\_23\_169 + 4600 \* X\_23\_170 + 7300 \* X\_23\_171  
 + 7300 \*  
 X\_23\_172 + 7300 \* X\_23\_173 + 7300 \* X\_23\_174 + 7300 \* X\_23\_175 + 7300  
 \* X\_23\_176 +  
 7300 \* X\_23\_177 + 7300 \* X\_23\_178 + 7300 \* X\_23\_179 + 4600 \* X\_23\_180  
 + 7300 \*  
 X\_23\_181 + 4600 \* X\_23\_182 + 7300 \* X\_23\_183 + 4600 \* X\_23\_184 + 7300  
 \* X\_23\_185 +  
 4600 \* X\_23\_186 + 7300 \* X\_23\_187 + 7300 \* X\_23\_188 + 7300 \* X\_23\_189  
 + 4600 \*

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X_23_190 + 7300 * X_23_191 + 7300 * X_23_192 + 7300 * X_23_193 + 7300
* X_23_194 +
4600 * X_23_195 + 7300 * X_23_196 + 7300 * X_23_197 + 4600 * X_23_198
+ 4600 *
X_23_199 + 7300 * X_23_200 + 7300 * X_23_201 + 7300 * X_23_202 + 7300
* X_23_203 +
7300 * X_23_204 + 4600 * X_23_205 + 4600 * X_23_206 + 7300 * X_23_207
+ 7300 *
X_23_208 + 4600 * X_23_209 + 7300 * X_23_210 + 4600 * X_23_211 + 7300
* X_23_212 +
7300 * X_23_213 + 7300 * X_23_214 + 7300 * X_23_215 + 7300 * X_23_216
+ 7300 *
X_23_217 + 7300 * X_23_218 + 4600 * X_23_219 + 4600 * X_23_220 + 7300
* X_23_221 +
7300 * X_23_222 + 7300 * X_23_223 + 4600 * X_23_224 + 7300 * X_23_225
+ 4600 *
X_23_226 + 7300 * X_23_227 + 7300 * X_23_228 + 4600 * X_23_229 + 7300
* X_23_230 +
7300 * X_23_231 + 7300 * X_23_232 + 7300 * X_23_233 + 4600 * X_23_234
+ 7300 *
X_23_235 + 7300 * X_23_236 + 7300 * X_23_237 + 4600 * X_23_238 + 7300
* X_23_239 +
4600 * X_23_240 - PAGATOTAL_23 = 0;
[_1783] X_1_1 <= 1;
[_1784] 2 * X_1_2 <= 1;
[_1785] X_1_3 <= 1;
[_1786] 3 * X_1_4 <= 1;
[_1787] X_1_5 <= 1;
[_1788] 2 * X_1_6 <= 1;
[_1789] X_1_7 <= 1;
[_1790] 2 * X_1_8 <= 1;
[_1791] 2 * X_1_9 <= 1;
[_1792] 2 * X_1_10 <= 1;
[_1793] X_1_11 <= 1;
[_1794] 2 * X_1_12 <= 1;
[_1795] X_1_13 <= 1;
[_1796] X_1_14 <= 1;
[_1797] X_1_15 <= 1;
[_1798] 2 * X_1_16 <= 1;
[_1799] X_1_17 <= 1;
[_1800] X_1_18 <= 1;
[_1801] X_1_19 <= 1;
[_1802] 2 * X_1_20 <= 1;
[_1803] X_1_21 <= 1;
[_1804] X_1_22 <= 1;
[_1805] X_1_23 <= 1;
[_1806] X_1_24 <= 1;
[_1807] X_1_25 <= 1;
[_1808] X_1_26 <= 1;
[_1809] X_1_27 <= 1;
[_1810] X_1_28 <= 1;
[_1811] 2 * X_1_29 <= 1;
[_1812] X_1_30 <= 1;
[_1813] X_1_31 <= 1;
[_1814] X_1_32 <= 1;
[_1815] X_1_33 <= 1;
[_1816] X_1_34 <= 1;

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[_1817] X_1_35 <= 1;
[_1818] X_1_36 <= 1;
[_1819] X_1_37 <= 1;
[_1820] 3 * X_1_38 <= 1;
[_1821] X_1_39 <= 1;
[_1822] X_1_40 <= 1;
[_1823] 3 * X_1_41 <= 1;
[_1824] 2 * X_1_42 <= 1;
[_1825] X_1_43 <= 1;
[_1826] X_1_44 <= 1;
[_1827] 2 * X_1_45 <= 1;
[_1828] X_1_46 <= 1;
[_1829] X_1_47 <= 1;
[_1830] X_1_48 <= 1;
[_1831] X_1_49 <= 1;
[_1832] X_1_50 <= 1;
[_1833] X_1_51 <= 1;
[_1834] 2 * X_1_52 <= 1;
[_1835] X_1_53 <= 1;
[_1836] X_1_54 <= 1;
[_1837] X_1_55 <= 1;
[_1838] X_1_56 <= 1;
[_1839] 2 * X_1_57 <= 1;
[_1840] X_1_58 <= 1;
[_1841] X_1_59 <= 1;
[_1842] X_1_60 <= 1;
[_1843] 2 * X_1_61 <= 1;
[_1844] X_1_62 <= 1;
[_1845] X_1_63 <= 1;
[_1846] X_1_64 <= 1;
[_1847] X_1_65 <= 1;
[_1848] X_1_66 <= 1;
[_1849] 2 * X_1_67 <= 1;
[_1850] X_1_68 <= 1;
[_1851] X_1_69 <= 1;
[_1852] 2 * X_1_70 <= 1;
[_1853] X_1_71 <= 1;
[_1854] X_1_72 <= 1;
[_1855] 2 * X_1_73 <= 1;
[_1856] X_1_74 <= 1;
[_1857] 2 * X_1_75 <= 1;
[_1858] X_1_76 <= 1;
[_1859] X_1_77 <= 1;
[_1860] X_1_78 <= 1;
[_1861] X_1_79 <= 1;
[_1862] X_1_80 <= 1;
[_1863] X_1_81 <= 1;
[_1864] 2 * X_1_82 <= 1;
[_1865] X_1_83 <= 1;
[_1866] X_1_84 <= 1;
[_1867] X_1_85 <= 1;
[_1868] X_1_86 <= 1;
[_1869] X_1_87 <= 1;
[_1870] X_1_88 <= 1;
[_1871] 3 * X_1_89 <= 1;
[_1872] X_1_90 <= 1;
[_1873] X_1_91 <= 1;
```



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[_1874] X_1_92 <= 1;
[_1875] X_1_93 <= 1;
[_1876] X_1_94 <= 1;
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[\_6984] 2 \* X\_22\_162 <= 2;  
[\_6985] X\_22\_163 <= 2;  
[\_6986] X\_22\_164 <= 2;  
[\_6987] 2 \* X\_22\_165 <= 2;  
[\_6988] X\_22\_166 <= 2;  
[\_6989] X\_22\_167 <= 2;  
[\_6990] X\_22\_168 <= 2;  
[\_6991] X\_22\_169 <= 2;  
[\_6992] X\_22\_170 <= 2;  
[\_6993] X\_22\_171 <= 2;  
[\_6994] 2 \* X\_22\_172 <= 2;  
[\_6995] X\_22\_173 <= 2;  
[\_6996] X\_22\_174 <= 2;  
[\_6997] X\_22\_175 <= 2;  
[\_6998] X\_22\_176 <= 2;  
[\_6999] 2 \* X\_22\_177 <= 2;  
[\_7000] X\_22\_178 <= 2;  
[\_7001] X\_22\_179 <= 2;  
[\_7002] X\_22\_180 <= 2;  
[\_7003] 2 \* X\_22\_181 <= 2;

[\_7004] X\_22\_182 <= 2;  
[\_7005] X\_22\_183 <= 2;  
[\_7006] X\_22\_184 <= 2;  
[\_7007] X\_22\_185 <= 2;  
[\_7008] X\_22\_186 <= 2;  
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[\_7010] X\_22\_188 <= 2;  
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[\_7012] 2 \* X\_22\_190 <= 2;  
[\_7013] X\_22\_191 <= 2;  
[\_7014] X\_22\_192 <= 2;  
[\_7015] 2 \* X\_22\_193 <= 2;  
[\_7016] X\_22\_194 <= 2;  
[\_7017] 2 \* X\_22\_195 <= 2;  
[\_7018] X\_22\_196 <= 2;  
[\_7019] X\_22\_197 <= 2;  
[\_7020] X\_22\_198 <= 2;  
[\_7021] X\_22\_199 <= 2;  
[\_7022] X\_22\_200 <= 2;  
[\_7023] X\_22\_201 <= 2;  
[\_7024] 2 \* X\_22\_202 <= 2;  
[\_7025] X\_22\_203 <= 2;  
[\_7026] X\_22\_204 <= 2;  
[\_7027] X\_22\_205 <= 2;  
[\_7028] X\_22\_206 <= 2;  
[\_7029] X\_22\_207 <= 2;  
[\_7030] X\_22\_208 <= 2;  
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[\_7032] X\_22\_210 <= 2;  
[\_7033] X\_22\_211 <= 2;  
[\_7034] X\_22\_212 <= 2;  
[\_7035] X\_22\_213 <= 2;  
[\_7036] X\_22\_214 <= 2;  
[\_7037] X\_22\_215 <= 2;  
[\_7038] X\_22\_216 <= 2;  
[\_7039] 2 \* X\_22\_217 <= 2;  
[\_7040] X\_22\_218 <= 2;  
[\_7041] 2 \* X\_22\_219 <= 2;  
[\_7042] X\_22\_220 <= 2;  
[\_7043] X\_22\_221 <= 2;  
[\_7044] X\_22\_222 <= 2;  
[\_7045] X\_22\_223 <= 2;  
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[\_7049] X\_22\_227 <= 2;  
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[\_7051] X\_22\_229 <= 2;  
[\_7052] X\_22\_230 <= 2;  
[\_7053] X\_22\_231 <= 2;  
[\_7054] X\_22\_232 <= 2;  
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[\_7056] X\_22\_234 <= 2;  
[\_7057] X\_22\_235 <= 2;  
[\_7058] X\_22\_236 <= 2;  
[\_7059] X\_22\_237 <= 2;  
[\_7060] X\_22\_238 <= 2;

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[\_7065] X\_23\_3 <= 2;  
[\_7066] 3 \* X\_23\_4 <= 2;  
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[\_7068] 2 \* X\_23\_6 <= 2;  
[\_7069] X\_23\_7 <= 2;  
[\_7070] 2 \* X\_23\_8 <= 2;  
[\_7071] 2 \* X\_23\_9 <= 2;  
[\_7072] 2 \* X\_23\_10 <= 2;  
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[\_7074] 2 \* X\_23\_12 <= 2;  
[\_7075] X\_23\_13 <= 2;  
[\_7076] X\_23\_14 <= 2;  
[\_7077] X\_23\_15 <= 2;  
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[\_7079] X\_23\_17 <= 2;  
[\_7080] X\_23\_18 <= 2;  
[\_7081] X\_23\_19 <= 2;  
[\_7082] 2 \* X\_23\_20 <= 2;  
[\_7083] X\_23\_21 <= 2;  
[\_7084] X\_23\_22 <= 2;  
[\_7085] X\_23\_23 <= 2;  
[\_7086] X\_23\_24 <= 2;  
[\_7087] X\_23\_25 <= 2;  
[\_7088] X\_23\_26 <= 2;  
[\_7089] X\_23\_27 <= 2;  
[\_7090] X\_23\_28 <= 2;  
[\_7091] 2 \* X\_23\_29 <= 2;  
[\_7092] X\_23\_30 <= 2;  
[\_7093] X\_23\_31 <= 2;  
[\_7094] X\_23\_32 <= 2;  
[\_7095] X\_23\_33 <= 2;  
[\_7096] X\_23\_34 <= 2;  
[\_7097] X\_23\_35 <= 2;  
[\_7098] X\_23\_36 <= 2;  
[\_7099] X\_23\_37 <= 2;  
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[\_7101] X\_23\_39 <= 2;  
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[\_7103] 3 \* X\_23\_41 <= 2;  
[\_7104] 2 \* X\_23\_42 <= 2;  
[\_7105] X\_23\_43 <= 2;  
[\_7106] X\_23\_44 <= 2;  
[\_7107] 2 \* X\_23\_45 <= 2;  
[\_7108] X\_23\_46 <= 2;  
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[\_7110] X\_23\_48 <= 2;  
[\_7111] X\_23\_49 <= 2;  
[\_7112] X\_23\_50 <= 2;  
[\_7113] X\_23\_51 <= 2;  
[\_7114] 2 \* X\_23\_52 <= 2;  
[\_7115] X\_23\_53 <= 2;  
[\_7116] X\_23\_54 <= 2;  
[\_7117] X\_23\_55 <= 2;

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[\_7119] 2 \* X\_23\_57 <= 2;  
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[\_7121] X\_23\_59 <= 2;  
[\_7122] X\_23\_60 <= 2;  
[\_7123] 2 \* X\_23\_61 <= 2;  
[\_7124] X\_23\_62 <= 2;  
[\_7125] X\_23\_63 <= 2;  
[\_7126] X\_23\_64 <= 2;  
[\_7127] X\_23\_65 <= 2;  
[\_7128] X\_23\_66 <= 2;  
[\_7129] 2 \* X\_23\_67 <= 2;  
[\_7130] X\_23\_68 <= 2;  
[\_7131] X\_23\_69 <= 2;  
[\_7132] 2 \* X\_23\_70 <= 2;  
[\_7133] X\_23\_71 <= 2;  
[\_7134] X\_23\_72 <= 2;  
[\_7135] 2 \* X\_23\_73 <= 2;  
[\_7136] X\_23\_74 <= 2;  
[\_7137] 2 \* X\_23\_75 <= 2;  
[\_7138] X\_23\_76 <= 2;  
[\_7139] X\_23\_77 <= 2;  
[\_7140] X\_23\_78 <= 2;  
[\_7141] X\_23\_79 <= 2;  
[\_7142] X\_23\_80 <= 2;  
[\_7143] X\_23\_81 <= 2;  
[\_7144] 2 \* X\_23\_82 <= 2;  
[\_7145] X\_23\_83 <= 2;  
[\_7146] X\_23\_84 <= 2;  
[\_7147] X\_23\_85 <= 2;  
[\_7148] X\_23\_86 <= 2;  
[\_7149] X\_23\_87 <= 2;  
[\_7150] X\_23\_88 <= 2;  
[\_7151] 3 \* X\_23\_89 <= 2;  
[\_7152] X\_23\_90 <= 2;  
[\_7153] X\_23\_91 <= 2;  
[\_7154] X\_23\_92 <= 2;  
[\_7155] X\_23\_93 <= 2;  
[\_7156] X\_23\_94 <= 2;  
[\_7157] X\_23\_95 <= 2;  
[\_7158] X\_23\_96 <= 2;  
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[\_7162] X\_23\_100 <= 2;  
[\_7163] X\_23\_101 <= 2;  
[\_7164] X\_23\_102 <= 2;  
[\_7165] X\_23\_103 <= 2;  
[\_7166] X\_23\_104 <= 2;  
[\_7167] X\_23\_105 <= 2;  
[\_7168] X\_23\_106 <= 2;  
[\_7169] X\_23\_107 <= 2;  
[\_7170] X\_23\_108 <= 2;  
[\_7171] X\_23\_109 <= 2;  
[\_7172] X\_23\_110 <= 2;  
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[\_7178] X\_23\_116 <= 2;  
[\_7179] X\_23\_117 <= 2;  
[\_7180] X\_23\_118 <= 2;  
[\_7181] X\_23\_119 <= 2;  
[\_7182] X\_23\_120 <= 2;  
[\_7183] X\_23\_121 <= 2;  
[\_7184] 2 \* X\_23\_122 <= 2;  
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[\_7186] 3 \* X\_23\_124 <= 2;  
[\_7187] X\_23\_125 <= 2;  
[\_7188] 2 \* X\_23\_126 <= 2;  
[\_7189] X\_23\_127 <= 2;  
[\_7190] 2 \* X\_23\_128 <= 2;  
[\_7191] 2 \* X\_23\_129 <= 2;  
[\_7192] 2 \* X\_23\_130 <= 2;  
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[\_7194] 2 \* X\_23\_132 <= 2;  
[\_7195] X\_23\_133 <= 2;  
[\_7196] X\_23\_134 <= 2;  
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[\_7199] X\_23\_137 <= 2;  
[\_7200] X\_23\_138 <= 2;  
[\_7201] X\_23\_139 <= 2;  
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[\_7203] X\_23\_141 <= 2;  
[\_7204] X\_23\_142 <= 2;  
[\_7205] X\_23\_143 <= 2;  
[\_7206] X\_23\_144 <= 2;  
[\_7207] X\_23\_145 <= 2;  
[\_7208] X\_23\_146 <= 2;  
[\_7209] X\_23\_147 <= 2;  
[\_7210] X\_23\_148 <= 2;  
[\_7211] 2 \* X\_23\_149 <= 2;  
[\_7212] X\_23\_150 <= 2;  
[\_7213] X\_23\_151 <= 2;  
[\_7214] X\_23\_152 <= 2;  
[\_7215] X\_23\_153 <= 2;  
[\_7216] X\_23\_154 <= 2;  
[\_7217] X\_23\_155 <= 2;  
[\_7218] X\_23\_156 <= 2;  
[\_7219] X\_23\_157 <= 2;  
[\_7220] 3 \* X\_23\_158 <= 2;  
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[\_7222] X\_23\_160 <= 2;  
[\_7223] 3 \* X\_23\_161 <= 2;  
[\_7224] 2 \* X\_23\_162 <= 2;  
[\_7225] X\_23\_163 <= 2;  
[\_7226] X\_23\_164 <= 2;  
[\_7227] 2 \* X\_23\_165 <= 2;  
[\_7228] X\_23\_166 <= 2;  
[\_7229] X\_23\_167 <= 2;  
[\_7230] X\_23\_168 <= 2;  
[\_7231] X\_23\_169 <= 2;

[\_7232] X\_23\_170 <= 2;  
[\_7233] X\_23\_171 <= 2;  
[\_7234] 2 \* X\_23\_172 <= 2;  
[\_7235] X\_23\_173 <= 2;  
[\_7236] X\_23\_174 <= 2;  
[\_7237] X\_23\_175 <= 2;  
[\_7238] X\_23\_176 <= 2;  
[\_7239] 2 \* X\_23\_177 <= 2;  
[\_7240] X\_23\_178 <= 2;  
[\_7241] X\_23\_179 <= 2;  
[\_7242] X\_23\_180 <= 2;  
[\_7243] 2 \* X\_23\_181 <= 2;  
[\_7244] X\_23\_182 <= 2;  
[\_7245] X\_23\_183 <= 2;  
[\_7246] X\_23\_184 <= 2;  
[\_7247] X\_23\_185 <= 2;  
[\_7248] X\_23\_186 <= 2;  
[\_7249] 2 \* X\_23\_187 <= 2;  
[\_7250] X\_23\_188 <= 2;  
[\_7251] X\_23\_189 <= 2;  
[\_7252] 2 \* X\_23\_190 <= 2;  
[\_7253] X\_23\_191 <= 2;  
[\_7254] X\_23\_192 <= 2;  
[\_7255] 2 \* X\_23\_193 <= 2;  
[\_7256] X\_23\_194 <= 2;  
[\_7257] 2 \* X\_23\_195 <= 2;  
[\_7258] X\_23\_196 <= 2;  
[\_7259] X\_23\_197 <= 2;  
[\_7260] X\_23\_198 <= 2;  
[\_7261] X\_23\_199 <= 2;  
[\_7262] X\_23\_200 <= 2;  
[\_7263] X\_23\_201 <= 2;  
[\_7264] 2 \* X\_23\_202 <= 2;  
[\_7265] X\_23\_203 <= 2;  
[\_7266] X\_23\_204 <= 2;  
[\_7267] X\_23\_205 <= 2;  
[\_7268] X\_23\_206 <= 2;  
[\_7269] X\_23\_207 <= 2;  
[\_7270] X\_23\_208 <= 2;  
[\_7271] 3 \* X\_23\_209 <= 2;  
[\_7272] X\_23\_210 <= 2;  
[\_7273] X\_23\_211 <= 2;  
[\_7274] X\_23\_212 <= 2;  
[\_7275] X\_23\_213 <= 2;  
[\_7276] X\_23\_214 <= 2;  
[\_7277] X\_23\_215 <= 2;  
[\_7278] X\_23\_216 <= 2;  
[\_7279] 2 \* X\_23\_217 <= 2;  
[\_7280] X\_23\_218 <= 2;  
[\_7281] 2 \* X\_23\_219 <= 2;  
[\_7282] X\_23\_220 <= 2;  
[\_7283] X\_23\_221 <= 2;  
[\_7284] X\_23\_222 <= 2;  
[\_7285] X\_23\_223 <= 2;  
[\_7286] X\_23\_224 <= 2;  
[\_7287] X\_23\_225 <= 2;  
[\_7288] X\_23\_226 <= 2;

[\_7289]  $X_{23\_227} \leq 2;$   
 [\_7290]  $X_{23\_228} \leq 2;$   
 [\_7291]  $X_{23\_229} \leq 2;$   
 [\_7292]  $X_{23\_230} \leq 2;$   
 [\_7293]  $X_{23\_231} \leq 2;$   
 [\_7294]  $X_{23\_232} \leq 2;$   
 [\_7295]  $2 * X_{23\_233} \leq 2;$   
 [\_7296]  $X_{23\_234} \leq 2;$   
 [\_7297]  $X_{23\_235} \leq 2;$   
 [\_7298]  $X_{23\_236} \leq 2;$   
 [\_7299]  $X_{23\_237} \leq 2;$   
 [\_7300]  $X_{23\_238} \leq 2;$   
 [\_7301]  $X_{23\_239} \leq 2;$   
 [\_7302]  $X_{23\_240} \leq 2;$   
 [\_7303]  $X_{1\_3} + X_{1\_10} \leq 1;$   
 [\_7304]  $X_{1\_10} + X_{1\_19} \leq 1;$   
 [\_7305]  $X_{1\_19} + X_{1\_31} \leq 1;$   
 [\_7306]  $X_{1\_31} + X_{1\_38} \leq 1;$   
 [\_7307]  $X_{1\_38} + X_{1\_41} \leq 1;$   
 [\_7308]  $X_{1\_41} + X_{1\_50} \leq 1;$   
 [\_7309]  $X_{1\_50} + X_{1\_59} \leq 1;$   
 [\_7310]  $X_{1\_59} + X_{1\_66} \leq 1;$   
 [\_7311]  $X_{1\_66} + X_{1\_75} \leq 1;$   
 [\_7312]  $X_{1\_75} + X_{1\_85} \leq 1;$   
 [\_7313]  $X_{1\_85} + X_{1\_94} \leq 1;$   
 [\_7314]  $X_{1\_94} + X_{1\_104} \leq 1;$   
 [\_7315]  $X_{1\_104} + X_{1\_106} \leq 1;$   
 [\_7316]  $X_{1\_106} + X_{1\_116} \leq 1;$   
 [\_7317]  $X_{1\_116} + X_{1\_123} \leq 1;$   
 [\_7318]  $X_{1\_123} + X_{1\_130} \leq 1;$   
 [\_7319]  $X_{1\_130} + X_{1\_139} \leq 1;$   
 [\_7320]  $X_{1\_139} + X_{1\_151} \leq 1;$   
 [\_7321]  $X_{1\_151} + X_{1\_158} \leq 1;$   
 [\_7322]  $X_{1\_158} + X_{1\_161} \leq 1;$   
 [\_7323]  $X_{1\_161} + X_{1\_170} \leq 1;$   
 [\_7324]  $X_{1\_170} + X_{1\_179} \leq 1;$   
 [\_7325]  $X_{1\_179} + X_{1\_186} \leq 1;$   
 [\_7326]  $X_{1\_186} + X_{1\_195} \leq 1;$   
 [\_7327]  $X_{1\_195} + X_{1\_205} \leq 1;$   
 [\_7328]  $X_{1\_205} + X_{1\_214} \leq 1;$   
 [\_7329]  $X_{1\_214} + X_{1\_224} \leq 1;$   
 [\_7330]  $X_{1\_224} + X_{1\_226} \leq 1;$   
 [\_7331]  $X_{1\_226} + X_{1\_236} \leq 1;$   
 [\_7332]  $X_{1\_7} + X_{1\_12} \leq 1;$   
 [\_7333]  $X_{1\_12} + X_{1\_20} \leq 1;$   
 [\_7334]  $X_{1\_20} + X_{1\_29} \leq 1;$   
 [\_7335]  $X_{1\_29} + X_{1\_37} \leq 1;$   
 [\_7336]  $X_{1\_37} + X_{1\_44} \leq 1;$   
 [\_7337]  $X_{1\_44} + X_{1\_51} \leq 1;$   
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 [\_7339]  $X_{1\_57} + X_{1\_66} \leq 1;$   
 [\_7340]  $X_{1\_66} + X_{1\_74} \leq 1;$   
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 [\_7342]  $X_{1\_83} + X_{1\_90} \leq 1;$   
 [\_7343]  $X_{1\_90} + X_{1\_98} \leq 1;$   
 [\_7344]  $X_{1\_98} + X_{1\_111} \leq 1;$   
 [\_7345]  $X_{1\_111} + X_{1\_118} \leq 1;$



[\_7346] X\_1\_118 + X\_1\_127 <= 1;  
[\_7347] X\_1\_127 + X\_1\_132 <= 1;  
[\_7348] X\_1\_132 + X\_1\_140 <= 1;  
[\_7349] X\_1\_140 + X\_1\_149 <= 1;  
[\_7350] X\_1\_149 + X\_1\_157 <= 1;  
[\_7351] X\_1\_157 + X\_1\_164 <= 1;  
[\_7352] X\_1\_164 + X\_1\_171 <= 1;  
[\_7353] X\_1\_171 + X\_1\_177 <= 1;  
[\_7354] X\_1\_177 + X\_1\_186 <= 1;  
[\_7355] X\_1\_186 + X\_1\_194 <= 1;  
[\_7356] X\_1\_194 + X\_1\_203 <= 1;  
[\_7357] X\_1\_203 + X\_1\_210 <= 1;  
[\_7358] X\_1\_210 + X\_1\_218 <= 1;  
[\_7359] X\_1\_218 + X\_1\_231 <= 1;  
[\_7360] X\_1\_231 + X\_1\_238 <= 1;  
[\_7361] X\_1\_4 + X\_1\_9 <= 1;  
[\_7362] X\_1\_9 + X\_1\_23 <= 1;  
[\_7363] X\_1\_23 + X\_1\_32 <= 1;  
[\_7364] X\_1\_32 + X\_1\_33 <= 1;  
[\_7365] X\_1\_33 + X\_1\_43 <= 1;  
[\_7366] X\_1\_43 + X\_1\_51 <= 1;  
[\_7367] X\_1\_51 + X\_1\_60 <= 1;  
[\_7368] X\_1\_60 + X\_1\_65 <= 1;  
[\_7369] X\_1\_65 + X\_1\_76 <= 1;  
[\_7370] X\_1\_76 + X\_1\_87 <= 1;  
[\_7371] X\_1\_87 + X\_1\_94 <= 1;  
[\_7372] X\_1\_94 + X\_1\_103 <= 1;  
[\_7373] X\_1\_103 + X\_1\_105 <= 1;  
[\_7374] X\_1\_105 + X\_1\_114 <= 1;  
[\_7375] X\_1\_114 + X\_1\_124 <= 1;  
[\_7376] X\_1\_124 + X\_1\_129 <= 1;  
[\_7377] X\_1\_129 + X\_1\_143 <= 1;  
[\_7378] X\_1\_143 + X\_1\_152 <= 1;  
[\_7379] X\_1\_152 + X\_1\_153 <= 1;  
[\_7380] X\_1\_153 + X\_1\_163 <= 1;  
[\_7381] X\_1\_163 + X\_1\_171 <= 1;  
[\_7382] X\_1\_171 + X\_1\_180 <= 1;  
[\_7383] X\_1\_180 + X\_1\_185 <= 1;  
[\_7384] X\_1\_185 + X\_1\_196 <= 1;  
[\_7385] X\_1\_196 + X\_1\_207 <= 1;  
[\_7386] X\_1\_207 + X\_1\_214 <= 1;  
[\_7387] X\_1\_214 + X\_1\_223 <= 1;  
[\_7388] X\_1\_223 + X\_1\_225 <= 1;  
[\_7389] X\_1\_225 + X\_1\_234 <= 1;  
[\_7390] X\_1\_2 + X\_1\_11 <= 1;  
[\_7391] X\_1\_11 + X\_1\_17 <= 1;  
[\_7392] X\_1\_17 + X\_1\_28 <= 1;  
[\_7393] X\_1\_28 + X\_1\_34 <= 1;  
[\_7394] X\_1\_34 + X\_1\_47 <= 1;  
[\_7395] X\_1\_47 + X\_1\_56 <= 1;  
[\_7396] X\_1\_56 + X\_1\_64 <= 1;  
[\_7397] X\_1\_64 + X\_1\_69 <= 1;  
[\_7398] X\_1\_69 + X\_1\_76 <= 1;  
[\_7399] X\_1\_76 + X\_1\_83 <= 1;  
[\_7400] X\_1\_83 + X\_1\_91 <= 1;  
[\_7401] X\_1\_91 + X\_1\_97 <= 1;  
[\_7402] X\_1\_97 + X\_1\_107 <= 1;

[\_7403] X\_1\_107 + X\_1\_116 <= 1;  
[\_7404] X\_1\_116 + X\_1\_122 <= 1;  
[\_7405] X\_1\_122 + X\_1\_131 <= 1;  
[\_7406] X\_1\_131 + X\_1\_137 <= 1;  
[\_7407] X\_1\_137 + X\_1\_148 <= 1;  
[\_7408] X\_1\_148 + X\_1\_154 <= 1;  
[\_7409] X\_1\_154 + X\_1\_167 <= 1;  
[\_7410] X\_1\_167 + X\_1\_176 <= 1;  
[\_7411] X\_1\_176 + X\_1\_184 <= 1;  
[\_7412] X\_1\_184 + X\_1\_189 <= 1;  
[\_7413] X\_1\_189 + X\_1\_196 <= 1;  
[\_7414] X\_1\_196 + X\_1\_203 <= 1;  
[\_7415] X\_1\_203 + X\_1\_211 <= 1;  
[\_7416] X\_1\_211 + X\_1\_217 <= 1;  
[\_7417] X\_1\_217 + X\_1\_227 <= 1;  
[\_7418] X\_1\_227 + X\_1\_236 <= 1;  
[\_7419] X\_1\_8 + X\_1\_11 <= 1;  
[\_7420] X\_1\_11 + X\_1\_20 <= 1;  
[\_7421] X\_1\_20 + X\_1\_26 <= 1;  
[\_7422] X\_1\_26 + X\_1\_36 <= 1;  
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[\_7424] X\_1\_43 + X\_1\_52 <= 1;  
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[\_7426] X\_1\_59 + X\_1\_72 <= 1;  
[\_7427] X\_1\_72 + X\_1\_73 <= 1;  
[\_7428] X\_1\_73 + X\_1\_86 <= 1;  
[\_7429] X\_1\_86 + X\_1\_95 <= 1;  
[\_7430] X\_1\_95 + X\_1\_102 <= 1;  
[\_7431] X\_1\_102 + X\_1\_110 <= 1;  
[\_7432] X\_1\_110 + X\_1\_120 <= 1;  
[\_7433] X\_1\_120 + X\_1\_128 <= 1;  
[\_7434] X\_1\_128 + X\_1\_131 <= 1;  
[\_7435] X\_1\_131 + X\_1\_140 <= 1;  
[\_7436] X\_1\_140 + X\_1\_146 <= 1;  
[\_7437] X\_1\_146 + X\_1\_156 <= 1;  
[\_7438] X\_1\_156 + X\_1\_163 <= 1;  
[\_7439] X\_1\_163 + X\_1\_172 <= 1;  
[\_7440] X\_1\_172 + X\_1\_179 <= 1;  
[\_7441] X\_1\_179 + X\_1\_192 <= 1;  
[\_7442] X\_1\_192 + X\_1\_193 <= 1;  
[\_7443] X\_1\_193 + X\_1\_206 <= 1;  
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[\_7445] X\_1\_215 + X\_1\_222 <= 1;  
[\_7446] X\_1\_222 + X\_1\_230 <= 1;  
[\_7447] X\_1\_230 + X\_1\_240 <= 1;  
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[\_7451] X\_1\_25 + X\_1\_40 <= 1;  
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[\_7453] X\_1\_45 + X\_1\_52 <= 1;  
[\_7454] X\_1\_52 + X\_1\_57 <= 1;  
[\_7455] X\_1\_57 + X\_1\_68 <= 1;  
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[\_7458] X\_1\_87 + X\_1\_96 <= 1;  
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[\_7462] X\_1\_113 + X\_1\_125 <= 1;  
[\_7463] X\_1\_125 + X\_1\_134 <= 1;  
[\_7464] X\_1\_134 + X\_1\_141 <= 1;  
[\_7465] X\_1\_141 + X\_1\_145 <= 1;  
[\_7466] X\_1\_145 + X\_1\_160 <= 1;  
[\_7467] X\_1\_160 + X\_1\_165 <= 1;  
[\_7468] X\_1\_165 + X\_1\_172 <= 1;  
[\_7469] X\_1\_172 + X\_1\_177 <= 1;  
[\_7470] X\_1\_177 + X\_1\_188 <= 1;  
[\_7471] X\_1\_188 + X\_1\_200 <= 1;  
[\_7472] X\_1\_200 + X\_1\_207 <= 1;  
[\_7473] X\_1\_207 + X\_1\_216 <= 1;  
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[\_7475] X\_1\_224 + X\_1\_227 <= 1;  
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[\_7477] X\_1\_2 + X\_1\_13 <= 1;  
[\_7478] X\_1\_13 + X\_1\_22 <= 1;  
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[\_7486] X\_1\_74 + X\_1\_84 <= 1;  
[\_7487] X\_1\_84 + X\_1\_96 <= 1;  
[\_7488] X\_1\_96 + X\_1\_103 <= 1;  
[\_7489] X\_1\_103 + X\_1\_106 <= 1;  
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[\_7491] X\_1\_115 + X\_1\_122 <= 1;  
[\_7492] X\_1\_122 + X\_1\_133 <= 1;  
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[\_7494] X\_1\_142 + X\_1\_150 <= 1;  
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[\_7497] X\_1\_168 + X\_1\_175 <= 1;  
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[\_7499] X\_1\_181 + X\_1\_192 <= 1;  
[\_7500] X\_1\_192 + X\_1\_194 <= 1;  
[\_7501] X\_1\_194 + X\_1\_204 <= 1;  
[\_7502] X\_1\_204 + X\_1\_216 <= 1;  
[\_7503] X\_1\_216 + X\_1\_223 <= 1;  
[\_7504] X\_1\_223 + X\_1\_226 <= 1;  
[\_7505] X\_1\_226 + X\_1\_235 <= 1;  
[\_7506] X\_1\_4 + X\_1\_14 <= 1;  
[\_7507] X\_1\_14 + X\_1\_19 <= 1;  
[\_7508] X\_1\_19 + X\_1\_30 <= 1;  
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[\_7510] X\_1\_34 + X\_1\_46 <= 1;  
[\_7511] X\_1\_46 + X\_1\_49 <= 1;  
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[\_7513] X\_1\_58 + X\_1\_67 <= 1;  
[\_7514] X\_1\_67 + X\_1\_78 <= 1;  
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[\_7588]  $X_{1\_199} + X_{1\_208} \leq 1;$   
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 [\_7731]  $X_{1\_184} + X_{1\_191} \leq 1;$   
 [\_7732]  $X_{1\_191} + X_{1\_199} \leq 1;$   
 [\_7733]  $X_{1\_199} + X_{1\_201} \leq 1;$   
 [\_7734]  $X_{1\_201} + X_{1\_209} \leq 1;$   
 [\_7735]  $X_{1\_209} + X_{1\_219} \leq 1;$   
 [\_7736]  $X_{1\_219} + X_{1\_232} \leq 1;$   
 [\_7737]  $X_{1\_232} + X_{1\_240} \leq 1;$   
 [\_7738]  $X_{1\_3} + X_{1\_13} \leq 1;$   
 [\_7739]  $X_{1\_13} + X_{1\_17} \leq 1;$   
 [\_7740]  $X_{1\_17} + X_{1\_29} \leq 1;$   
 [\_7741]  $X_{1\_29} + X_{1\_39} \leq 1;$   
 [\_7742]  $X_{1\_39} + X_{1\_46} \leq 1;$   
 [\_7743]  $X_{1\_46} + X_{1\_53} \leq 1;$   
 [\_7744]  $X_{1\_53} + X_{1\_62} \leq 1;$

[\_7745]  $X_{1\_62} + X_{1\_71} \leq 1;$   
 [\_7746]  $X_{1\_71} + X_{1\_73} \leq 1;$   
 [\_7747]  $X_{1\_73} + X_{1\_82} \leq 1;$   
 [\_7748]  $X_{1\_82} + X_{1\_92} \leq 1;$   
 [\_7749]  $X_{1\_92} + X_{1\_101} \leq 1;$   
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 [\_7761]  $X_{1\_191} + X_{1\_193} \leq 1;$   
 [\_7762]  $X_{1\_193} + X_{1\_202} \leq 1;$   
 [\_7763]  $X_{1\_202} + X_{1\_212} \leq 1;$   
 [\_7764]  $X_{1\_212} + X_{1\_221} \leq 1;$   
 [\_7765]  $X_{1\_221} + X_{1\_225} \leq 1;$   
 [\_7766]  $X_{1\_225} + X_{1\_233} \leq 1;$   
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 [\_7771]  $X_{2\_38} + X_{2\_41} \leq 1;$   
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 [\_7775]  $X_{2\_66} + X_{2\_75} \leq 1;$   
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 [\_7777]  $X_{2\_85} + X_{2\_94} \leq 1;$   
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 [\_7788]  $X_{2\_170} + X_{2\_179} \leq 1;$   
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 [\_7795]  $X_{2\_226} + X_{2\_236} \leq 1;$   
 [\_7796]  $X_{2\_7} + X_{2\_12} \leq 1;$   
 [\_7797]  $X_{2\_12} + X_{2\_20} \leq 1;$   
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 [\_7799]  $X_{2\_29} + X_{2\_37} \leq 1;$   
 [\_7800]  $X_{2\_37} + X_{2\_44} \leq 1;$   
 [\_7801]  $X_{2\_44} + X_{2\_51} \leq 1;$



[\_7802]  $X_{2\_51} + X_{2\_57} \leq 1;$   
[\_7803]  $X_{2\_57} + X_{2\_66} \leq 1;$   
[\_7804]  $X_{2\_66} + X_{2\_74} \leq 1;$   
[\_7805]  $X_{2\_74} + X_{2\_83} \leq 1;$   
[\_7806]  $X_{2\_83} + X_{2\_90} \leq 1;$   
[\_7807]  $X_{2\_90} + X_{2\_98} \leq 1;$   
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[\_7814]  $X_{2\_149} + X_{2\_157} \leq 1;$   
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[\_7816]  $X_{2\_164} + X_{2\_171} \leq 1;$   
[\_7817]  $X_{2\_171} + X_{2\_177} \leq 1;$   
[\_7818]  $X_{2\_177} + X_{2\_186} \leq 1;$   
[\_7819]  $X_{2\_186} + X_{2\_194} \leq 1;$   
[\_7820]  $X_{2\_194} + X_{2\_203} \leq 1;$   
[\_7821]  $X_{2\_203} + X_{2\_210} \leq 1;$   
[\_7822]  $X_{2\_210} + X_{2\_218} \leq 1;$   
[\_7823]  $X_{2\_218} + X_{2\_231} \leq 1;$   
[\_7824]  $X_{2\_231} + X_{2\_238} \leq 1;$   
[\_7825]  $X_{2\_4} + X_{2\_9} \leq 1;$   
[\_7826]  $X_{2\_9} + X_{2\_23} \leq 1;$   
[\_7827]  $X_{2\_23} + X_{2\_32} \leq 1;$   
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[\_7830]  $X_{2\_43} + X_{2\_51} \leq 1;$   
[\_7831]  $X_{2\_51} + X_{2\_60} \leq 1;$   
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[\_7833]  $X_{2\_65} + X_{2\_76} \leq 1;$   
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[\_7836]  $X_{2\_94} + X_{2\_103} \leq 1;$   
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[\_7838]  $X_{2\_105} + X_{2\_114} \leq 1;$   
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[\_7842]  $X_{2\_143} + X_{2\_152} \leq 1;$   
[\_7843]  $X_{2\_152} + X_{2\_153} \leq 1;$   
[\_7844]  $X_{2\_153} + X_{2\_163} \leq 1;$   
[\_7845]  $X_{2\_163} + X_{2\_171} \leq 1;$   
[\_7846]  $X_{2\_171} + X_{2\_180} \leq 1;$   
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[\_7855]  $X_{2\_11} + X_{2\_17} \leq 1;$   
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[\_7857]  $X_{2\_28} + X_{2\_34} \leq 1;$   
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 [\_7865]  $X_{2\_91} + X_{2\_97} \leq 1;$   
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 [\_7868]  $X_{2\_116} + X_{2\_122} \leq 1;$   
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 [\_7870]  $X_{2\_131} + X_{2\_137} \leq 1;$   
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 [\_7878]  $X_{2\_196} + X_{2\_203} \leq 1;$   
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 [\_7882]  $X_{2\_227} + X_{2\_236} \leq 1;$   
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 [\_7892]  $X_{2\_73} + X_{2\_86} \leq 1;$   
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 [\_7900]  $X_{2\_140} + X_{2\_146} \leq 1;$   
 [\_7901]  $X_{2\_146} + X_{2\_156} \leq 1;$   
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 [\_7903]  $X_{2\_163} + X_{2\_172} \leq 1;$   
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 [\_7905]  $X_{2\_179} + X_{2\_192} \leq 1;$   
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 [\_7914]  $X_{2\_21} + X_{2\_25} \leq 1;$   
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[\_7916]  $X_{2\_40} + X_{2\_45} \leq 1;$   
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[\_7918]  $X_{2\_52} + X_{2\_57} \leq 1;$   
[\_7919]  $X_{2\_57} + X_{2\_68} \leq 1;$   
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[\_7923]  $X_{2\_96} + X_{2\_104} \leq 1;$   
[\_7924]  $X_{2\_104} + X_{2\_107} \leq 1;$   
[\_7925]  $X_{2\_107} + X_{2\_113} \leq 1;$   
[\_7926]  $X_{2\_113} + X_{2\_125} \leq 1;$   
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[\_7931]  $X_{2\_160} + X_{2\_165} \leq 1;$   
[\_7932]  $X_{2\_165} + X_{2\_172} \leq 1;$   
[\_7933]  $X_{2\_172} + X_{2\_177} \leq 1;$   
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[\_7939]  $X_{2\_224} + X_{2\_227} \leq 1;$   
[\_7940]  $X_{2\_227} + X_{2\_233} \leq 1;$   
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[\_7943]  $X_{2\_22} + X_{2\_30} \leq 1;$   
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[\_7951]  $X_{2\_84} + X_{2\_96} \leq 1;$   
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[\_7958]  $X_{2\_142} + X_{2\_150} \leq 1;$   
[\_7959]  $X_{2\_150} + X_{2\_155} \leq 1;$   
[\_7960]  $X_{2\_155} + X_{2\_168} \leq 1;$   
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[\_7962]  $X_{2\_175} + X_{2\_181} \leq 1;$   
[\_7963]  $X_{2\_181} + X_{2\_192} \leq 1;$   
[\_7964]  $X_{2\_192} + X_{2\_194} \leq 1;$   
[\_7965]  $X_{2\_194} + X_{2\_204} \leq 1;$   
[\_7966]  $X_{2\_204} + X_{2\_216} \leq 1;$   
[\_7967]  $X_{2\_216} + X_{2\_223} \leq 1;$   
[\_7968]  $X_{2\_223} + X_{2\_226} \leq 1;$   
[\_7969]  $X_{2\_226} + X_{2\_235} \leq 1;$   
[\_7970]  $X_{2\_4} + X_{2\_14} \leq 1;$   
[\_7971]  $X_{2\_14} + X_{2\_19} \leq 1;$   
[\_7972]  $X_{2\_19} + X_{2\_30} \leq 1;$

[\_7973] X\_2\_30 + X\_2\_34 <= 1;  
[\_7974] X\_2\_34 + X\_2\_46 <= 1;  
[\_7975] X\_2\_46 + X\_2\_49 <= 1;  
[\_7976] X\_2\_49 + X\_2\_58 <= 1;  
[\_7977] X\_2\_58 + X\_2\_67 <= 1;  
[\_7978] X\_2\_67 + X\_2\_78 <= 1;  
[\_7979] X\_2\_78 + X\_2\_81 <= 1;  
[\_7980] X\_2\_81 + X\_2\_95 <= 1;  
[\_7981] X\_2\_95 + X\_2\_98 <= 1;  
[\_7982] X\_2\_98 + X\_2\_109 <= 1;  
[\_7983] X\_2\_109 + X\_2\_119 <= 1;  
[\_7984] X\_2\_119 + X\_2\_124 <= 1;  
[\_7985] X\_2\_124 + X\_2\_134 <= 1;  
[\_7986] X\_2\_134 + X\_2\_139 <= 1;  
[\_7987] X\_2\_139 + X\_2\_150 <= 1;  
[\_7988] X\_2\_150 + X\_2\_154 <= 1;  
[\_7989] X\_2\_154 + X\_2\_166 <= 1;  
[\_7990] X\_2\_166 + X\_2\_169 <= 1;  
[\_7991] X\_2\_169 + X\_2\_178 <= 1;  
[\_7992] X\_2\_178 + X\_2\_187 <= 1;  
[\_7993] X\_2\_187 + X\_2\_198 <= 1;  
[\_7994] X\_2\_198 + X\_2\_201 <= 1;  
[\_7995] X\_2\_201 + X\_2\_215 <= 1;  
[\_7996] X\_2\_215 + X\_2\_218 <= 1;  
[\_7997] X\_2\_218 + X\_2\_229 <= 1;  
[\_7998] X\_2\_229 + X\_2\_239 <= 1;  
[\_7999] X\_2\_5 + X\_2\_10 <= 1;  
[\_8000] X\_2\_10 + X\_2\_22 <= 1;  
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[\_8002] X\_2\_28 + X\_2\_39 <= 1;  
[\_8003] X\_2\_39 + X\_2\_42 <= 1;  
[\_8004] X\_2\_42 + X\_2\_49 <= 1;  
[\_8005] X\_2\_49 + X\_2\_63 <= 1;  
[\_8006] X\_2\_63 + X\_2\_70 <= 1;  
[\_8007] X\_2\_70 + X\_2\_77 <= 1;  
[\_8008] X\_2\_77 + X\_2\_86 <= 1;  
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[\_8010] X\_2\_90 + X\_2\_99 <= 1;  
[\_8011] X\_2\_99 + X\_2\_108 <= 1;  
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[\_8013] X\_2\_114 + X\_2\_125 <= 1;  
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[\_8015] X\_2\_130 + X\_2\_142 <= 1;  
[\_8016] X\_2\_142 + X\_2\_148 <= 1;  
[\_8017] X\_2\_148 + X\_2\_159 <= 1;  
[\_8018] X\_2\_159 + X\_2\_162 <= 1;  
[\_8019] X\_2\_162 + X\_2\_169 <= 1;  
[\_8020] X\_2\_169 + X\_2\_183 <= 1;  
[\_8021] X\_2\_183 + X\_2\_190 <= 1;  
[\_8022] X\_2\_190 + X\_2\_197 <= 1;  
[\_8023] X\_2\_197 + X\_2\_206 <= 1;  
[\_8024] X\_2\_206 + X\_2\_210 <= 1;  
[\_8025] X\_2\_210 + X\_2\_219 <= 1;  
[\_8026] X\_2\_219 + X\_2\_228 <= 1;  
[\_8027] X\_2\_228 + X\_2\_234 <= 1;  
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[\_8029] X\_2\_9 + X\_2\_21 <= 1;

[\_8030] X\_2\_21 + X\_2\_31 <= 1;  
[\_8031] X\_2\_31 + X\_2\_35 <= 1;  
[\_8032] X\_2\_35 + X\_2\_47 <= 1;  
[\_8033] X\_2\_47 + X\_2\_53 <= 1;  
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[\_8041] X\_2\_111 + X\_2\_117 <= 1;  
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[\_8044] X\_2\_129 + X\_2\_141 <= 1;  
[\_8045] X\_2\_141 + X\_2\_151 <= 1;  
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[\_8048] X\_2\_167 + X\_2\_173 <= 1;  
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[\_8052] X\_2\_199 + X\_2\_208 <= 1;  
[\_8053] X\_2\_208 + X\_2\_213 <= 1;  
[\_8054] X\_2\_213 + X\_2\_222 <= 1;  
[\_8055] X\_2\_222 + X\_2\_231 <= 1;  
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[\_8062] X\_2\_42 + X\_2\_54 <= 1;  
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[\_8066] X\_2\_75 + X\_2\_84 <= 1;  
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[\_8068] X\_2\_91 + X\_2\_101 <= 1;  
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[\_8072] X\_2\_126 + X\_2\_136 <= 1;  
[\_8073] X\_2\_136 + X\_2\_138 <= 1;  
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[\_8075] X\_2\_146 + X\_2\_157 <= 1;  
[\_8076] X\_2\_157 + X\_2\_162 <= 1;  
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[\_8083] X\_2\_211 + X\_2\_221 <= 1;  
[\_8084] X\_2\_221 + X\_2\_229 <= 1;  
[\_8085] X\_2\_229 + X\_2\_237 <= 1;  
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[\_8094] X\_2\_65 + X\_2\_80 <= 1;  
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[\_8096] X\_2\_85 + X\_2\_92 <= 1;  
[\_8097] X\_2\_92 + X\_2\_97 <= 1;  
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[\_8106] X\_2\_164 + X\_2\_174 <= 1;  
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[\_8108] X\_2\_181 + X\_2\_185 <= 1;  
[\_8109] X\_2\_185 + X\_2\_200 <= 1;  
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[\_8114] X\_2\_228 + X\_2\_239 <= 1;  
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[\_8127] X\_2\_100 + X\_2\_110 <= 1;  
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[\_8129] X\_2\_118 + X\_2\_126 <= 1;  
[\_8130] X\_2\_126 + X\_2\_135 <= 1;  
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[\_8135] X\_2\_168 + X\_2\_176 <= 1;  
[\_8136] X\_2\_176 + X\_2\_182 <= 1;  
[\_8137] X\_2\_182 + X\_2\_190 <= 1;  
[\_8138] X\_2\_190 + X\_2\_198 <= 1;  
[\_8139] X\_2\_198 + X\_2\_208 <= 1;  
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[\_8141] X\_2\_209 + X\_2\_220 <= 1;  
[\_8142] X\_2\_220 + X\_2\_230 <= 1;  
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 [\_8208] X\_2\_53 + X\_2\_62 <= 1;  
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 [\_8216] X\_2\_113 + X\_2\_123 <= 1;  
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 [\_8221] X\_2\_159 + X\_2\_166 <= 1;  
 [\_8222] X\_2\_166 + X\_2\_173 <= 1;  
 [\_8223] X\_2\_173 + X\_2\_182 <= 1;  
 [\_8224] X\_2\_182 + X\_2\_191 <= 1;  
 [\_8225] X\_2\_191 + X\_2\_193 <= 1;  
 [\_8226] X\_2\_193 + X\_2\_202 <= 1;  
 [\_8227] X\_2\_202 + X\_2\_212 <= 1;  
 [\_8228] X\_2\_212 + X\_2\_221 <= 1;  
 [\_8229] X\_2\_221 + X\_2\_225 <= 1;  
 [\_8230] X\_2\_225 + X\_2\_233 <= 1;  
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 [\_8233] X\_3\_19 + X\_3\_31 <= 1;  
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 [\_8244] X\_3\_106 + X\_3\_116 <= 1;  
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 [\_8249] X\_3\_151 + X\_3\_158 <= 1;  
 [\_8250] X\_3\_158 + X\_3\_161 <= 1;  
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 [\_8252] X\_3\_170 + X\_3\_179 <= 1;  
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 [\_8255] X\_3\_195 + X\_3\_205 <= 1;  
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[\_9867] X\_6\_99 + X\_6\_108 <= 1;  
[\_9868] X\_6\_108 + X\_6\_114 <= 1;  
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[\_9870] X\_6\_125 + X\_6\_130 <= 1;  
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[\_9902] X\_6\_151 + X\_6\_155 <= 1;  
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[\_9904] X\_6\_167 + X\_6\_173 <= 1;  
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[\_9907] X\_6\_187 + X\_6\_199 <= 1;  
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[\_9932] X\_6\_157 + X\_6\_162 <= 1;  
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[\_9934] X\_6\_174 + X\_6\_180 <= 1;  
[\_9935] X\_6\_180 + X\_6\_188 <= 1;  
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[\_9941] X\_6\_229 + X\_6\_237 <= 1;  
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[\_9945] X\_6\_27 + X\_6\_36 <= 1;  
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[\_9947] X\_6\_44 + X\_6\_54 <= 1;  
[\_9948] X\_6\_54 + X\_6\_61 <= 1;  
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[\_9950] X\_6\_65 + X\_6\_80 <= 1;  
[\_9951] X\_6\_80 + X\_6\_85 <= 1;  
[\_9952] X\_6\_85 + X\_6\_92 <= 1;  
[\_9953] X\_6\_92 + X\_6\_97 <= 1;  
[\_9954] X\_6\_97 + X\_6\_108 <= 1;  
[\_9955] X\_6\_108 + X\_6\_119 <= 1;  
[\_9956] X\_6\_119 + X\_6\_121 <= 1;  
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[\_9958] X\_6\_135 + X\_6\_144 <= 1;  
[\_9959] X\_6\_144 + X\_6\_147 <= 1;  
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[\_9962] X\_6\_164 + X\_6\_174 <= 1;  
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[\_9982] X\_6\_89 + X\_6\_100 <= 1;  
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[\_9984] X\_6\_110 + X\_6\_118 <= 1;  
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[\_9986] X\_6\_126 + X\_6\_135 <= 1;  
[\_9987] X\_6\_135 + X\_6\_143 <= 1;  
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[\_10005] X\_6\_45 + X\_6\_50 <= 1;  
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[\_10008] X\_6\_69 + X\_6\_77 <= 1;  
[\_10009] X\_6\_77 + X\_6\_82 <= 1;  
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[\_10011] X\_6\_93 + X\_6\_100 <= 1;  
[\_10012] X\_6\_100 + X\_6\_112 <= 1;  
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[\_10015] X\_6\_128 + X\_6\_132 <= 1;  
[\_10016] X\_6\_132 + X\_6\_138 <= 1;  
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[\_10018] X\_6\_147 + X\_6\_153 <= 1;  
[\_10019] X\_6\_153 + X\_6\_165 <= 1;  
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[\_10021] X\_6\_170 + X\_6\_178 <= 1;  
[\_10022] X\_6\_178 + X\_6\_189 <= 1;  
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[\_10027] X\_6\_220 + X\_6\_232 <= 1;  
[\_10028] X\_6\_232 + X\_6\_235 <= 1;  
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[\_10073] X\_6\_123 + X\_6\_133 <= 1;  
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[\_10077] X\_6\_159 + X\_6\_166 <= 1;  
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[\_10102] X\_7\_123 + X\_7\_130 <= 1;  
[\_10103] X\_7\_130 + X\_7\_139 <= 1;  
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[\_10107] X\_7\_161 + X\_7\_170 <= 1;  
[\_10108] X\_7\_170 + X\_7\_179 <= 1;  
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[\_10111] X\_7\_195 + X\_7\_205 <= 1;  
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[\_10113] X\_7\_214 + X\_7\_224 <= 1;  
[\_10114] X\_7\_224 + X\_7\_226 <= 1;  
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[\_10119] X\_7\_29 + X\_7\_37 <= 1;  
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[\_10127] X\_7\_90 + X\_7\_98 <= 1;  
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[\_10129] X\_7\_111 + X\_7\_118 <= 1;  
[\_10130] X\_7\_118 + X\_7\_127 <= 1;  
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[\_10132] X\_7\_132 + X\_7\_140 <= 1;  
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[\_10168]  $X_{7\_185} + X_{7\_196} \leq 1;$   
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[\_10188]  $X_{7\_116} + X_{7\_122} \leq 1;$   
[\_10189]  $X_{7\_122} + X_{7\_131} \leq 1;$   
[\_10190]  $X_{7\_131} + X_{7\_137} \leq 1;$   
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[\_10193]  $X_{7\_154} + X_{7\_167} \leq 1;$   
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[\_10203] X\_7\_8 + X\_7\_11 <= 1;  
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[\_10243] X\_7\_96 + X\_7\_104 <= 1;  
[\_10244] X\_7\_104 + X\_7\_107 <= 1;  
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[\_10247] X\_7\_125 + X\_7\_134 <= 1;  
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[\_10249] X\_7\_141 + X\_7\_145 <= 1;  
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 [\_10286]  $X_7_{204} + X_7_{216} \leq 1;$   
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 [\_10288]  $X_7_{223} + X_7_{226} \leq 1;$   
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 [\_10290]  $X_7_4 + X_7_{14} \leq 1;$   
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[\_10334] X\_7\_125 + X\_7\_130 <= 1;  
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[\_10336] X\_7\_142 + X\_7\_148 <= 1;  
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[\_10344] X\_7\_206 + X\_7\_210 <= 1;  
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[\_10347] X\_7\_228 + X\_7\_234 <= 1;  
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[\_10355] X\_7\_63 + X\_7\_67 <= 1;  
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[\_10885] X\_8\_121 + X\_8\_135 <= 1;  
[\_10886] X\_8\_135 + X\_8\_144 <= 1;  
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[\_10889] X\_8\_156 + X\_8\_164 <= 1;  
[\_10890] X\_8\_164 + X\_8\_174 <= 1;  
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[\_10892] X\_8\_181 + X\_8\_185 <= 1;  
[\_10893] X\_8\_185 + X\_8\_200 <= 1;  
[\_10894] X\_8\_200 + X\_8\_205 <= 1;  
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[\_10900] X\_8\_15 + X\_8\_23 <= 1;  
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[\_10903] X\_8\_38 + X\_8\_48 <= 1;  
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[\_10911] X\_8\_100 + X\_8\_110 <= 1;  
[\_10912] X\_8\_110 + X\_8\_118 <= 1;  
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[\_10914] X\_8\_126 + X\_8\_135 <= 1;  
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[\_10917] X\_8\_145 + X\_8\_158 <= 1;  
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[\_10919] X\_8\_168 + X\_8\_176 <= 1;  
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[\_10922] X\_8\_190 + X\_8\_198 <= 1;  
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[\_10925] X\_8\_209 + X\_8\_220 <= 1;  
[\_10926] X\_8\_220 + X\_8\_230 <= 1;  
[\_10927] X\_8\_230 + X\_8\_238 <= 1;  
[\_10928] X\_8\_8 + X\_8\_12 <= 1;  
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[\_10955]  $X_8_220 + X_8_232 \leq 1$ ;  
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 [\_11190]  $X_{9\_13} + X_{9\_22} \leq 1;$   
 [\_11191]  $X_{9\_22} + X_{9\_30} \leq 1;$   
 [\_11192]  $X_{9\_30} + X_{9\_35} \leq 1;$   
 [\_11193]  $X_{9\_35} + X_{9\_48} \leq 1;$   
 [\_11194]  $X_{9\_48} + X_{9\_55} \leq 1;$   
 [\_11195]  $X_{9\_55} + X_{9\_61} \leq 1;$   
 [\_11196]  $X_{9\_61} + X_{9\_72} \leq 1;$   
 [\_11197]  $X_{9\_72} + X_{9\_74} \leq 1;$   
 [\_11198]  $X_{9\_74} + X_{9\_84} \leq 1;$   
 [\_11199]  $X_{9\_84} + X_{9\_96} \leq 1;$   
 [\_11200]  $X_{9\_96} + X_{9\_103} \leq 1;$   
 [\_11201]  $X_{9\_103} + X_{9\_106} \leq 1;$   
 [\_11202]  $X_{9\_106} + X_{9\_115} \leq 1;$   
 [\_11203]  $X_{9\_115} + X_{9\_122} \leq 1;$   
 [\_11204]  $X_{9\_122} + X_{9\_133} \leq 1;$   
 [\_11205]  $X_{9\_133} + X_{9\_142} \leq 1;$   
 [\_11206]  $X_{9\_142} + X_{9\_150} \leq 1;$   
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 [\_11208]  $X_{9\_155} + X_{9\_168} \leq 1;$   
 [\_11209]  $X_{9\_168} + X_{9\_175} \leq 1;$   
 [\_11210]  $X_{9\_175} + X_{9\_181} \leq 1;$   
 [\_11211]  $X_{9\_181} + X_{9\_192} \leq 1;$   
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 [\_11219]  $X_{9\_14} + X_{9\_19} \leq 1;$   
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[\_11222]  $X_9_{34} + X_9_{46} \leq 1;$   
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 [\_11224]  $X_9_{49} + X_9_{58} \leq 1;$   
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 [\_11229]  $X_9_{95} + X_9_{98} \leq 1;$   
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 [\_11276]  $X_9_1 + X_9_9 \leq 1;$   
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[\_11281]  $X_9_{47} + X_9_{53} \leq 1;$   
[\_11282]  $X_9_{53} + X_9_{63} \leq 1;$   
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[\_11299]  $X_9_{187} + X_9_{199} \leq 1;$   
[\_11300]  $X_9_{199} + X_9_{208} \leq 1;$   
[\_11301]  $X_9_{208} + X_9_{213} \leq 1;$   
[\_11302]  $X_9_{213} + X_9_{222} \leq 1;$   
[\_11303]  $X_9_{222} + X_9_{231} \leq 1;$   
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[\_11326]  $X_9_{174} + X_9_{180} \leq 1;$   
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[\_11331]  $X_9_{211} + X_9_{221} \leq 1;$   
[\_11332]  $X_9_{221} + X_9_{229} \leq 1;$   
[\_11333]  $X_9_{229} + X_9_{237} \leq 1;$   
[\_11334]  $X_9_1 + X_9_{15} \leq 1;$   
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 [\_11448]  $X_{9\_219} + X_{9\_232} \leq 1;$   
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[\_11574] X\_10\_69 + X\_10\_76 <= 1;  
[\_11575] X\_10\_76 + X\_10\_83 <= 1;  
[\_11576] X\_10\_83 + X\_10\_91 <= 1;  
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[\_11578] X\_10\_97 + X\_10\_107 <= 1;  
[\_11579] X\_10\_107 + X\_10\_116 <= 1;  
[\_11580] X\_10\_116 + X\_10\_122 <= 1;  
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[\_11583] X\_10\_137 + X\_10\_148 <= 1;  
[\_11584] X\_10\_148 + X\_10\_154 <= 1;  
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[\_11586] X\_10\_167 + X\_10\_176 <= 1;  
[\_11587] X\_10\_176 + X\_10\_184 <= 1;  
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[\_11590] X\_10\_196 + X\_10\_203 <= 1;  
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[\_11592] X\_10\_211 + X\_10\_217 <= 1;  
[\_11593] X\_10\_217 + X\_10\_227 <= 1;  
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[\_11604] X\_10\_73 + X\_10\_86 <= 1;  
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[\_11615] X\_10\_163 + X\_10\_172 <= 1;  
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[\_11698] X\_10\_134 + X\_10\_139 <= 1;  
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[\_11712] X\_10\_10 + X\_10\_22 <= 1;  
[\_11713] X\_10\_22 + X\_10\_28 <= 1;  
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[\_11728] X\_10\_142 + X\_10\_148 <= 1;  
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[\_11777] X\_10\_68 + X\_10\_75 <= 1;  
[\_11778] X\_10\_75 + X\_10\_84 <= 1;  
[\_11779] X\_10\_84 + X\_10\_91 <= 1;  
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[\_11781] X\_10\_101 + X\_10\_109 <= 1;  
[\_11782] X\_10\_109 + X\_10\_117 <= 1;  
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[\_11786] X\_10\_138 + X\_10\_146 <= 1;  
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[\_11795] X\_10\_211 + X\_10\_221 <= 1;  
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[\_11805] X\_10\_61 + X\_10\_65 <= 1;  
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[\_11807] X\_10\_80 + X\_10\_85 <= 1;  
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[\_13123] X\_13\_162 + X\_13\_169 <= 1;  
[\_13124] X\_13\_169 + X\_13\_183 <= 1;  
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[_17949] X_23_29 + X_23_39 <= 1;
[_17950] X_23_39 + X_23_46 <= 1;
[_17951] X_23_46 + X_23_53 <= 1;
[_17952] X_23_53 + X_23_62 <= 1;
[_17953] X_23_62 + X_23_71 <= 1;
[_17954] X_23_71 + X_23_73 <= 1;
[_17955] X_23_73 + X_23_82 <= 1;
[_17956] X_23_82 + X_23_92 <= 1;
[_17957] X_23_92 + X_23_101 <= 1;
[_17958] X_23_101 + X_23_105 <= 1;
[_17959] X_23_105 + X_23_113 <= 1;
[_17960] X_23_113 + X_23_123 <= 1;
[_17961] X_23_123 + X_23_133 <= 1;
[_17962] X_23_133 + X_23_137 <= 1;
[_17963] X_23_137 + X_23_149 <= 1;
[_17964] X_23_149 + X_23_159 <= 1;
[_17965] X_23_159 + X_23_166 <= 1;
[_17966] X_23_166 + X_23_173 <= 1;
[_17967] X_23_173 + X_23_182 <= 1;
[_17968] X_23_182 + X_23_191 <= 1;
[_17969] X_23_191 + X_23_193 <= 1;
[_17970] X_23_193 + X_23_202 <= 1;
[_17971] X_23_202 + X_23_212 <= 1;
[_17972] X_23_212 + X_23_221 <= 1;
[_17973] X_23_221 + X_23_225 <= 1;
[_17974] X_23_225 + X_23_233 <= 1;
[_17975] X_1_1 + X_1_2 + X_1_3 + X_1_4 + X_1_5 + X_1_6 + X_1_7 + X_1_8
+ X_1_9 +
  X_1_10 + X_1_11 + X_1_12 + X_1_13 + X_1_14 + X_1_15 + X_1_16 + X_1_17
+ X_1_18 +
  X_1_19 + X_1_20 + X_1_21 + X_1_22 + X_1_23 + X_1_24 + X_1_25 + X_1_26
+ X_1_27 +
  X_1_28 + X_1_29 + X_1_30 + X_1_31 + X_1_32 >= 1;
[_17976] X_1_9 + X_1_10 + X_1_11 + X_1_12 + X_1_13 + X_1_14 + X_1_15 +
X_1_16 +
  X_1_17 + X_1_18 + X_1_19 + X_1_20 + X_1_21 + X_1_22 + X_1_23 + X_1_24
+ X_1_25 +
  X_1_26 + X_1_27 + X_1_28 + X_1_29 + X_1_30 + X_1_31 + X_1_32 + X_1_33
+ X_1_34 +
  X_1_35 + X_1_36 + X_1_37 + X_1_38 + X_1_39 + X_1_40 >= 1;
[_17977] X_1_17 + X_1_18 + X_1_19 + X_1_20 + X_1_21 + X_1_22 + X_1_23
+ X_1_24 +
  X_1_25 + X_1_26 + X_1_27 + X_1_28 + X_1_29 + X_1_30 + X_1_31 + X_1_32
+ X_1_33 +
  X_1_34 + X_1_35 + X_1_36 + X_1_37 + X_1_38 + X_1_39 + X_1_40 + X_1_41
+ X_1_42 +
  X_1_43 + X_1_44 + X_1_45 + X_1_46 + X_1_47 + X_1_48 >= 1;
[_17978] X_1_25 + X_1_26 + X_1_27 + X_1_28 + X_1_29 + X_1_30 + X_1_31
+ X_1_32 +
  X_1_33 + X_1_34 + X_1_35 + X_1_36 + X_1_37 + X_1_38 + X_1_39 + X_1_40
+ X_1_41 +
  X_1_42 + X_1_43 + X_1_44 + X_1_45 + X_1_46 + X_1_47 + X_1_48 + X_1_49
+ X_1_50 +
  X_1_51 + X_1_52 + X_1_53 + X_1_54 + X_1_55 + X_1_56 >= 1;
[_17979] X_1_33 + X_1_34 + X_1_35 + X_1_36 + X_1_37 + X_1_38 + X_1_39
+ X_1_40 +

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X_1_41 + X_1_42 + X_1_43 + X_1_44 + X_1_45 + X_1_46 + X_1_47 + X_1_48
+ X_1_49 +
X_1_50 + X_1_51 + X_1_52 + X_1_53 + X_1_54 + X_1_55 + X_1_56 + X_1_57
+ X_1_58 +
X_1_59 + X_1_60 + X_1_61 + X_1_62 + X_1_63 + X_1_64 >= 1;
[_17980] X_1_41 + X_1_42 + X_1_43 + X_1_44 + X_1_45 + X_1_46 + X_1_47
+ X_1_48 +
X_1_49 + X_1_50 + X_1_51 + X_1_52 + X_1_53 + X_1_54 + X_1_55 + X_1_56
+ X_1_57 +
X_1_58 + X_1_59 + X_1_60 + X_1_61 + X_1_62 + X_1_63 + X_1_64 + X_1_65
+ X_1_66 +
X_1_67 + X_1_68 + X_1_69 + X_1_70 + X_1_71 + X_1_72 >= 1;
[_17981] X_1_49 + X_1_50 + X_1_51 + X_1_52 + X_1_53 + X_1_54 + X_1_55
+ X_1_56 +
X_1_57 + X_1_58 + X_1_59 + X_1_60 + X_1_61 + X_1_62 + X_1_63 + X_1_64
+ X_1_65 +
X_1_66 + X_1_67 + X_1_68 + X_1_69 + X_1_70 + X_1_71 + X_1_72 + X_1_73
+ X_1_74 +
X_1_75 + X_1_76 + X_1_77 + X_1_78 + X_1_79 + X_1_80 >= 1;
[_17982] X_1_57 + X_1_58 + X_1_59 + X_1_60 + X_1_61 + X_1_62 + X_1_63
+ X_1_64 +
X_1_65 + X_1_66 + X_1_67 + X_1_68 + X_1_69 + X_1_70 + X_1_71 + X_1_72
+ X_1_73 +
X_1_74 + X_1_75 + X_1_76 + X_1_77 + X_1_78 + X_1_79 + X_1_80 + X_1_81
+ X_1_82 +
X_1_83 + X_1_84 + X_1_85 + X_1_86 + X_1_87 + X_1_88 >= 1;
[_17983] X_1_65 + X_1_66 + X_1_67 + X_1_68 + X_1_69 + X_1_70 + X_1_71
+ X_1_72 +
X_1_73 + X_1_74 + X_1_75 + X_1_76 + X_1_77 + X_1_78 + X_1_79 + X_1_80
+ X_1_81 +
X_1_82 + X_1_83 + X_1_84 + X_1_85 + X_1_86 + X_1_87 + X_1_88 + X_1_89
+ X_1_90 +
X_1_91 + X_1_92 + X_1_93 + X_1_94 + X_1_95 + X_1_96 >= 1;
[_17984] X_1_73 + X_1_74 + X_1_75 + X_1_76 + X_1_77 + X_1_78 + X_1_79
+ X_1_80 +
X_1_81 + X_1_82 + X_1_83 + X_1_84 + X_1_85 + X_1_86 + X_1_87 + X_1_88
+ X_1_89 +
X_1_90 + X_1_91 + X_1_92 + X_1_93 + X_1_94 + X_1_95 + X_1_96 + X_1_97
+ X_1_98 +
X_1_99 + X_1_100 + X_1_101 + X_1_102 + X_1_103 + X_1_104 >= 1;
[_17985] X_1_81 + X_1_82 + X_1_83 + X_1_84 + X_1_85 + X_1_86 + X_1_87
+ X_1_88 +
X_1_89 + X_1_90 + X_1_91 + X_1_92 + X_1_93 + X_1_94 + X_1_95 + X_1_96
+ X_1_97 +
X_1_98 + X_1_99 + X_1_100 + X_1_101 + X_1_102 + X_1_103 + X_1_104 +
X_1_105 +
X_1_106 + X_1_107 + X_1_108 + X_1_109 + X_1_110 + X_1_111 + X_1_112
>= 1;
[_17986] X_1_89 + X_1_90 + X_1_91 + X_1_92 + X_1_93 + X_1_94 + X_1_95
+ X_1_96 +
X_1_97 + X_1_98 + X_1_99 + X_1_100 + X_1_101 + X_1_102 + X_1_103 +
X_1_104 +
X_1_105 + X_1_106 + X_1_107 + X_1_108 + X_1_109 + X_1_110 + X_1_111 +
X_1_112 +
X_1_113 + X_1_114 + X_1_115 + X_1_116 + X_1_117 + X_1_118 + X_1_119 +
X_1_120 >= 1
;

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[17987] X_1_97 + X_1_98 + X_1_99 + X_1_100 + X_1_101 + X_1_102 +
X_1_103 + X_1_104
+ X_1_105 + X_1_106 + X_1_107 + X_1_108 + X_1_109 + X_1_110 + X_1_111
+ X_1_112 +
X_1_113 + X_1_114 + X_1_115 + X_1_116 + X_1_117 + X_1_118 + X_1_119 +
X_1_120 +
X_1_121 + X_1_122 + X_1_123 + X_1_124 + X_1_125 + X_1_126 + X_1_127 +
X_1_128 >= 1
;
[17988] X_1_105 + X_1_106 + X_1_107 + X_1_108 + X_1_109 + X_1_110 +
X_1_111 +
X_1_112 + X_1_113 + X_1_114 + X_1_115 + X_1_116 + X_1_117 + X_1_118 +
X_1_119 +
X_1_120 + X_1_121 + X_1_122 + X_1_123 + X_1_124 + X_1_125 + X_1_126 +
X_1_127 +
X_1_128 + X_1_129 + X_1_130 + X_1_131 + X_1_132 + X_1_133 + X_1_134 +
X_1_135 +
X_1_136 >= 1;
[17989] X_1_113 + X_1_114 + X_1_115 + X_1_116 + X_1_117 + X_1_118 +
X_1_119 +
X_1_120 + X_1_121 + X_1_122 + X_1_123 + X_1_124 + X_1_125 + X_1_126 +
X_1_127 +
X_1_128 + X_1_129 + X_1_130 + X_1_131 + X_1_132 + X_1_133 + X_1_134 +
X_1_135 +
X_1_136 + X_1_137 + X_1_138 + X_1_139 + X_1_140 + X_1_141 + X_1_142 +
X_1_143 +
X_1_144 >= 1;
[17990] X_1_121 + X_1_122 + X_1_123 + X_1_124 + X_1_125 + X_1_126 +
X_1_127 +
X_1_128 + X_1_129 + X_1_130 + X_1_131 + X_1_132 + X_1_133 + X_1_134 +
X_1_135 +
X_1_136 + X_1_137 + X_1_138 + X_1_139 + X_1_140 + X_1_141 + X_1_142 +
X_1_143 +
X_1_144 + X_1_145 + X_1_146 + X_1_147 + X_1_148 + X_1_149 + X_1_150 +
X_1_151 +
X_1_152 >= 1;
[17991] X_1_129 + X_1_130 + X_1_131 + X_1_132 + X_1_133 + X_1_134 +
X_1_135 +
X_1_136 + X_1_137 + X_1_138 + X_1_139 + X_1_140 + X_1_141 + X_1_142 +
X_1_143 +
X_1_144 + X_1_145 + X_1_146 + X_1_147 + X_1_148 + X_1_149 + X_1_150 +
X_1_151 +
X_1_152 + X_1_153 + X_1_154 + X_1_155 + X_1_156 + X_1_157 + X_1_158 +
X_1_159 +
X_1_160 >= 1;
[17992] X_1_137 + X_1_138 + X_1_139 + X_1_140 + X_1_141 + X_1_142 +
X_1_143 +
X_1_144 + X_1_145 + X_1_146 + X_1_147 + X_1_148 + X_1_149 + X_1_150 +
X_1_151 +
X_1_152 + X_1_153 + X_1_154 + X_1_155 + X_1_156 + X_1_157 + X_1_158 +
X_1_159 +
X_1_160 + X_1_161 + X_1_162 + X_1_163 + X_1_164 + X_1_165 + X_1_166 +
X_1_167 +
X_1_168 >= 1;
[17993] X_1_145 + X_1_146 + X_1_147 + X_1_148 + X_1_149 + X_1_150 +
X_1_151 +

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$X_{1\_208} + X_{1\_209} + X_{1\_210} + X_{1\_211} + X_{1\_212} + X_{1\_213} + X_{1\_214} + X_{1\_215} + X_{1\_216} + X_{1\_217} + X_{1\_218} + X_{1\_219} + X_{1\_220} + X_{1\_221} + X_{1\_222} + X_{1\_223} + X_{1\_224} \geq 1;$   
 [\_18000]  $X_{1\_201} + X_{1\_202} + X_{1\_203} + X_{1\_204} + X_{1\_205} + X_{1\_206} + X_{1\_207} + X_{1\_208} + X_{1\_209} + X_{1\_210} + X_{1\_211} + X_{1\_212} + X_{1\_213} + X_{1\_214} + X_{1\_215} + X_{1\_216} + X_{1\_217} + X_{1\_218} + X_{1\_219} + X_{1\_220} + X_{1\_221} + X_{1\_222} + X_{1\_223} + X_{1\_224} + X_{1\_225} + X_{1\_226} + X_{1\_227} + X_{1\_228} + X_{1\_229} + X_{1\_230} + X_{1\_231} + X_{1\_232} \geq 1;$   
 [\_18001]  $X_{1\_209} + X_{1\_210} + X_{1\_211} + X_{1\_212} + X_{1\_213} + X_{1\_214} + X_{1\_215} + X_{1\_216} + X_{1\_217} + X_{1\_218} + X_{1\_219} + X_{1\_220} + X_{1\_221} + X_{1\_222} + X_{1\_223} + X_{1\_224} + X_{1\_225} + X_{1\_226} + X_{1\_227} + X_{1\_228} + X_{1\_229} + X_{1\_230} + X_{1\_231} + X_{1\_232} + X_{1\_233} + X_{1\_234} + X_{1\_235} + X_{1\_236} + X_{1\_237} + X_{1\_238} + X_{1\_239} + X_{1\_240} \geq 1;$   
 [\_18002]  $X_{2\_1} + X_{2\_2} + X_{2\_3} + X_{2\_4} + X_{2\_5} + X_{2\_6} + X_{2\_7} + X_{2\_8} + X_{2\_9} + X_{2\_10} + X_{2\_11} + X_{2\_12} + X_{2\_13} + X_{2\_14} + X_{2\_15} + X_{2\_16} + X_{2\_17} + X_{2\_18} + X_{2\_19} + X_{2\_20} + X_{2\_21} + X_{2\_22} + X_{2\_23} + X_{2\_24} + X_{2\_25} + X_{2\_26} + X_{2\_27} + X_{2\_28} + X_{2\_29} + X_{2\_30} + X_{2\_31} + X_{2\_32} \geq 1;$   
 [\_18003]  $X_{2\_9} + X_{2\_10} + X_{2\_11} + X_{2\_12} + X_{2\_13} + X_{2\_14} + X_{2\_15} + X_{2\_16} + X_{2\_17} + X_{2\_18} + X_{2\_19} + X_{2\_20} + X_{2\_21} + X_{2\_22} + X_{2\_23} + X_{2\_24} + X_{2\_25} + X_{2\_26} + X_{2\_27} + X_{2\_28} + X_{2\_29} + X_{2\_30} + X_{2\_31} + X_{2\_32} + X_{2\_33} + X_{2\_34} + X_{2\_35} + X_{2\_36} + X_{2\_37} + X_{2\_38} + X_{2\_39} + X_{2\_40} \geq 1;$   
 [\_18004]  $X_{2\_17} + X_{2\_18} + X_{2\_19} + X_{2\_20} + X_{2\_21} + X_{2\_22} + X_{2\_23} + X_{2\_24} + X_{2\_25} + X_{2\_26} + X_{2\_27} + X_{2\_28} + X_{2\_29} + X_{2\_30} + X_{2\_31} + X_{2\_32} + X_{2\_33} + X_{2\_34} + X_{2\_35} + X_{2\_36} + X_{2\_37} + X_{2\_38} + X_{2\_39} + X_{2\_40} + X_{2\_41} + X_{2\_42} + X_{2\_43} + X_{2\_44} + X_{2\_45} + X_{2\_46} + X_{2\_47} + X_{2\_48} \geq 1;$   
 [\_18005]  $X_{2\_25} + X_{2\_26} + X_{2\_27} + X_{2\_28} + X_{2\_29} + X_{2\_30} + X_{2\_31} + X_{2\_32} + X_{2\_33} + X_{2\_34} + X_{2\_35} + X_{2\_36} + X_{2\_37} + X_{2\_38} + X_{2\_39} + X_{2\_40} + X_{2\_41} + X_{2\_42} + X_{2\_43} + X_{2\_44} + X_{2\_45} + X_{2\_46} + X_{2\_47} + X_{2\_48} + X_{2\_49} + X_{2\_50} + X_{2\_51} + X_{2\_52} + X_{2\_53} + X_{2\_54} + X_{2\_55} + X_{2\_56} \geq 1;$   
 [\_18006]  $X_{2\_33} + X_{2\_34} + X_{2\_35} + X_{2\_36} + X_{2\_37} + X_{2\_38} + X_{2\_39} + X_{2\_40} + X_{2\_41} + X_{2\_42} + X_{2\_43} + X_{2\_44} + X_{2\_45} + X_{2\_46} + X_{2\_47} + X_{2\_48} + X_{2\_49} + X_{2\_50} + X_{2\_51} + X_{2\_52} + X_{2\_53} + X_{2\_54} + X_{2\_55} + X_{2\_56} + X_{2\_57} + X_{2\_58} +$

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X_2_59 + X_2_60 + X_2_61 + X_2_62 + X_2_63 + X_2_64 >= 1;
[_18007] X_2_41 + X_2_42 + X_2_43 + X_2_44 + X_2_45 + X_2_46 + X_2_47
+ X_2_48 +
X_2_49 + X_2_50 + X_2_51 + X_2_52 + X_2_53 + X_2_54 + X_2_55 + X_2_56
+ X_2_57 +
X_2_58 + X_2_59 + X_2_60 + X_2_61 + X_2_62 + X_2_63 + X_2_64 + X_2_65
+ X_2_66 +
X_2_67 + X_2_68 + X_2_69 + X_2_70 + X_2_71 + X_2_72 >= 1;
[_18008] X_2_49 + X_2_50 + X_2_51 + X_2_52 + X_2_53 + X_2_54 + X_2_55
+ X_2_56 +
X_2_57 + X_2_58 + X_2_59 + X_2_60 + X_2_61 + X_2_62 + X_2_63 + X_2_64
+ X_2_65 +
X_2_66 + X_2_67 + X_2_68 + X_2_69 + X_2_70 + X_2_71 + X_2_72 + X_2_73
+ X_2_74 +
X_2_75 + X_2_76 + X_2_77 + X_2_78 + X_2_79 + X_2_80 >= 1;
[_18009] X_2_57 + X_2_58 + X_2_59 + X_2_60 + X_2_61 + X_2_62 + X_2_63
+ X_2_64 +
X_2_65 + X_2_66 + X_2_67 + X_2_68 + X_2_69 + X_2_70 + X_2_71 + X_2_72
+ X_2_73 +
X_2_74 + X_2_75 + X_2_76 + X_2_77 + X_2_78 + X_2_79 + X_2_80 + X_2_81
+ X_2_82 +
X_2_83 + X_2_84 + X_2_85 + X_2_86 + X_2_87 + X_2_88 >= 1;
[_18010] X_2_65 + X_2_66 + X_2_67 + X_2_68 + X_2_69 + X_2_70 + X_2_71
+ X_2_72 +
X_2_73 + X_2_74 + X_2_75 + X_2_76 + X_2_77 + X_2_78 + X_2_79 + X_2_80
+ X_2_81 +
X_2_82 + X_2_83 + X_2_84 + X_2_85 + X_2_86 + X_2_87 + X_2_88 + X_2_89
+ X_2_90 +
X_2_91 + X_2_92 + X_2_93 + X_2_94 + X_2_95 + X_2_96 >= 1;
[_18011] X_2_73 + X_2_74 + X_2_75 + X_2_76 + X_2_77 + X_2_78 + X_2_79
+ X_2_80 +
X_2_81 + X_2_82 + X_2_83 + X_2_84 + X_2_85 + X_2_86 + X_2_87 + X_2_88
+ X_2_89 +
X_2_90 + X_2_91 + X_2_92 + X_2_93 + X_2_94 + X_2_95 + X_2_96 + X_2_97
+ X_2_98 +
X_2_99 + X_2_100 + X_2_101 + X_2_102 + X_2_103 + X_2_104 >= 1;
[_18012] X_2_81 + X_2_82 + X_2_83 + X_2_84 + X_2_85 + X_2_86 + X_2_87
+ X_2_88 +
X_2_89 + X_2_90 + X_2_91 + X_2_92 + X_2_93 + X_2_94 + X_2_95 + X_2_96
+ X_2_97 +
X_2_98 + X_2_99 + X_2_100 + X_2_101 + X_2_102 + X_2_103 + X_2_104 +
X_2_105 +
X_2_106 + X_2_107 + X_2_108 + X_2_109 + X_2_110 + X_2_111 + X_2_112
>= 1;
[_18013] X_2_89 + X_2_90 + X_2_91 + X_2_92 + X_2_93 + X_2_94 + X_2_95
+ X_2_96 +
X_2_97 + X_2_98 + X_2_99 + X_2_100 + X_2_101 + X_2_102 + X_2_103 +
X_2_104 +
X_2_105 + X_2_106 + X_2_107 + X_2_108 + X_2_109 + X_2_110 + X_2_111 +
X_2_112 +
X_2_113 + X_2_114 + X_2_115 + X_2_116 + X_2_117 + X_2_118 + X_2_119 +
X_2_120 >= 1
;
[_18014] X_2_97 + X_2_98 + X_2_99 + X_2_100 + X_2_101 + X_2_102 +
X_2_103 + X_2_104
+ X_2_105 + X_2_106 + X_2_107 + X_2_108 + X_2_109 + X_2_110 + X_2_111
+ X_2_112 +

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[\_18027] X\_2\_201 + X\_2\_202 + X\_2\_203 + X\_2\_204 + X\_2\_205 + X\_2\_206 +  
 X\_2\_207 +  
 X\_2\_208 + X\_2\_209 + X\_2\_210 + X\_2\_211 + X\_2\_212 + X\_2\_213 + X\_2\_214 +  
 X\_2\_215 +  
 X\_2\_216 + X\_2\_217 + X\_2\_218 + X\_2\_219 + X\_2\_220 + X\_2\_221 + X\_2\_222 +  
 X\_2\_223 +  
 X\_2\_224 + X\_2\_225 + X\_2\_226 + X\_2\_227 + X\_2\_228 + X\_2\_229 + X\_2\_230 +  
 X\_2\_231 +  
 X\_2\_232 >= 1;  
 [\_18028] X\_2\_209 + X\_2\_210 + X\_2\_211 + X\_2\_212 + X\_2\_213 + X\_2\_214 +  
 X\_2\_215 +  
 X\_2\_216 + X\_2\_217 + X\_2\_218 + X\_2\_219 + X\_2\_220 + X\_2\_221 + X\_2\_222 +  
 X\_2\_223 +  
 X\_2\_224 + X\_2\_225 + X\_2\_226 + X\_2\_227 + X\_2\_228 + X\_2\_229 + X\_2\_230 +  
 X\_2\_231 +  
 X\_2\_232 + X\_2\_233 + X\_2\_234 + X\_2\_235 + X\_2\_236 + X\_2\_237 + X\_2\_238 +  
 X\_2\_239 +  
 X\_2\_240 >= 1;  
 [\_18029] X\_3\_1 + X\_3\_2 + X\_3\_3 + X\_3\_4 + X\_3\_5 + X\_3\_6 + X\_3\_7 + X\_3\_8  
 + X\_3\_9 +  
 X\_3\_10 + X\_3\_11 + X\_3\_12 + X\_3\_13 + X\_3\_14 + X\_3\_15 + X\_3\_16 + X\_3\_17  
 + X\_3\_18 +  
 X\_3\_19 + X\_3\_20 + X\_3\_21 + X\_3\_22 + X\_3\_23 + X\_3\_24 + X\_3\_25 + X\_3\_26  
 + X\_3\_27 +  
 X\_3\_28 + X\_3\_29 + X\_3\_30 + X\_3\_31 + X\_3\_32 >= 1;  
 [\_18030] X\_3\_9 + X\_3\_10 + X\_3\_11 + X\_3\_12 + X\_3\_13 + X\_3\_14 + X\_3\_15 +  
 X\_3\_16 +  
 X\_3\_17 + X\_3\_18 + X\_3\_19 + X\_3\_20 + X\_3\_21 + X\_3\_22 + X\_3\_23 + X\_3\_24  
 + X\_3\_25 +  
 X\_3\_26 + X\_3\_27 + X\_3\_28 + X\_3\_29 + X\_3\_30 + X\_3\_31 + X\_3\_32 + X\_3\_33  
 + X\_3\_34 +  
 X\_3\_35 + X\_3\_36 + X\_3\_37 + X\_3\_38 + X\_3\_39 + X\_3\_40 >= 1;  
 [\_18031] X\_3\_17 + X\_3\_18 + X\_3\_19 + X\_3\_20 + X\_3\_21 + X\_3\_22 + X\_3\_23  
 + X\_3\_24 +  
 X\_3\_25 + X\_3\_26 + X\_3\_27 + X\_3\_28 + X\_3\_29 + X\_3\_30 + X\_3\_31 + X\_3\_32  
 + X\_3\_33 +  
 X\_3\_34 + X\_3\_35 + X\_3\_36 + X\_3\_37 + X\_3\_38 + X\_3\_39 + X\_3\_40 + X\_3\_41  
 + X\_3\_42 +  
 X\_3\_43 + X\_3\_44 + X\_3\_45 + X\_3\_46 + X\_3\_47 + X\_3\_48 >= 1;  
 [\_18032] X\_3\_25 + X\_3\_26 + X\_3\_27 + X\_3\_28 + X\_3\_29 + X\_3\_30 + X\_3\_31  
 + X\_3\_32 +  
 X\_3\_33 + X\_3\_34 + X\_3\_35 + X\_3\_36 + X\_3\_37 + X\_3\_38 + X\_3\_39 + X\_3\_40  
 + X\_3\_41 +  
 X\_3\_42 + X\_3\_43 + X\_3\_44 + X\_3\_45 + X\_3\_46 + X\_3\_47 + X\_3\_48 + X\_3\_49  
 + X\_3\_50 +  
 X\_3\_51 + X\_3\_52 + X\_3\_53 + X\_3\_54 + X\_3\_55 + X\_3\_56 >= 1;  
 [\_18033] X\_3\_33 + X\_3\_34 + X\_3\_35 + X\_3\_36 + X\_3\_37 + X\_3\_38 + X\_3\_39  
 + X\_3\_40 +  
 X\_3\_41 + X\_3\_42 + X\_3\_43 + X\_3\_44 + X\_3\_45 + X\_3\_46 + X\_3\_47 + X\_3\_48  
 + X\_3\_49 +  
 X\_3\_50 + X\_3\_51 + X\_3\_52 + X\_3\_53 + X\_3\_54 + X\_3\_55 + X\_3\_56 + X\_3\_57  
 + X\_3\_58 +  
 X\_3\_59 + X\_3\_60 + X\_3\_61 + X\_3\_62 + X\_3\_63 + X\_3\_64 >= 1;  
 [\_18034] X\_3\_41 + X\_3\_42 + X\_3\_43 + X\_3\_44 + X\_3\_45 + X\_3\_46 + X\_3\_47  
 + X\_3\_48 +  
 X\_3\_49 + X\_3\_50 + X\_3\_51 + X\_3\_52 + X\_3\_53 + X\_3\_54 + X\_3\_55 + X\_3\_56  
 + X\_3\_57 +

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X_3_58 + X_3_59 + X_3_60 + X_3_61 + X_3_62 + X_3_63 + X_3_64 + X_3_65
+ X_3_66 +
X_3_67 + X_3_68 + X_3_69 + X_3_70 + X_3_71 + X_3_72 >= 1;
[_18035] X_3_49 + X_3_50 + X_3_51 + X_3_52 + X_3_53 + X_3_54 + X_3_55
+ X_3_56 +
X_3_57 + X_3_58 + X_3_59 + X_3_60 + X_3_61 + X_3_62 + X_3_63 + X_3_64
+ X_3_65 +
X_3_66 + X_3_67 + X_3_68 + X_3_69 + X_3_70 + X_3_71 + X_3_72 + X_3_73
+ X_3_74 +
X_3_75 + X_3_76 + X_3_77 + X_3_78 + X_3_79 + X_3_80 >= 1;
[_18036] X_3_57 + X_3_58 + X_3_59 + X_3_60 + X_3_61 + X_3_62 + X_3_63
+ X_3_64 +
X_3_65 + X_3_66 + X_3_67 + X_3_68 + X_3_69 + X_3_70 + X_3_71 + X_3_72
+ X_3_73 +
X_3_74 + X_3_75 + X_3_76 + X_3_77 + X_3_78 + X_3_79 + X_3_80 + X_3_81
+ X_3_82 +
X_3_83 + X_3_84 + X_3_85 + X_3_86 + X_3_87 + X_3_88 >= 1;
[_18037] X_3_65 + X_3_66 + X_3_67 + X_3_68 + X_3_69 + X_3_70 + X_3_71
+ X_3_72 +
X_3_73 + X_3_74 + X_3_75 + X_3_76 + X_3_77 + X_3_78 + X_3_79 + X_3_80
+ X_3_81 +
X_3_82 + X_3_83 + X_3_84 + X_3_85 + X_3_86 + X_3_87 + X_3_88 + X_3_89
+ X_3_90 +
X_3_91 + X_3_92 + X_3_93 + X_3_94 + X_3_95 + X_3_96 >= 1;
[_18038] X_3_73 + X_3_74 + X_3_75 + X_3_76 + X_3_77 + X_3_78 + X_3_79
+ X_3_80 +
X_3_81 + X_3_82 + X_3_83 + X_3_84 + X_3_85 + X_3_86 + X_3_87 + X_3_88
+ X_3_89 +
X_3_90 + X_3_91 + X_3_92 + X_3_93 + X_3_94 + X_3_95 + X_3_96 + X_3_97
+ X_3_98 +
X_3_99 + X_3_100 + X_3_101 + X_3_102 + X_3_103 + X_3_104 >= 1;
[_18039] X_3_81 + X_3_82 + X_3_83 + X_3_84 + X_3_85 + X_3_86 + X_3_87
+ X_3_88 +
X_3_89 + X_3_90 + X_3_91 + X_3_92 + X_3_93 + X_3_94 + X_3_95 + X_3_96
+ X_3_97 +
X_3_98 + X_3_99 + X_3_100 + X_3_101 + X_3_102 + X_3_103 + X_3_104 +
X_3_105 +
X_3_106 + X_3_107 + X_3_108 + X_3_109 + X_3_110 + X_3_111 + X_3_112
>= 1;
[_18040] X_3_89 + X_3_90 + X_3_91 + X_3_92 + X_3_93 + X_3_94 + X_3_95
+ X_3_96 +
X_3_97 + X_3_98 + X_3_99 + X_3_100 + X_3_101 + X_3_102 + X_3_103 +
X_3_104 +
X_3_105 + X_3_106 + X_3_107 + X_3_108 + X_3_109 + X_3_110 + X_3_111 +
X_3_112 +
X_3_113 + X_3_114 + X_3_115 + X_3_116 + X_3_117 + X_3_118 + X_3_119 +
X_3_120 >= 1
;
[_18041] X_3_97 + X_3_98 + X_3_99 + X_3_100 + X_3_101 + X_3_102 +
X_3_103 + X_3_104
+ X_3_105 + X_3_106 + X_3_107 + X_3_108 + X_3_109 + X_3_110 + X_3_111
+ X_3_112 +
X_3_113 + X_3_114 + X_3_115 + X_3_116 + X_3_117 + X_3_118 + X_3_119 +
X_3_120 +
X_3_121 + X_3_122 + X_3_123 + X_3_124 + X_3_125 + X_3_126 + X_3_127 +
X_3_128 >= 1
;

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[\_18042] X\_3\_105 + X\_3\_106 + X\_3\_107 + X\_3\_108 + X\_3\_109 + X\_3\_110 +  
 X\_3\_111 +  
 X\_3\_112 + X\_3\_113 + X\_3\_114 + X\_3\_115 + X\_3\_116 + X\_3\_117 + X\_3\_118 +  
 X\_3\_119 +  
 X\_3\_120 + X\_3\_121 + X\_3\_122 + X\_3\_123 + X\_3\_124 + X\_3\_125 + X\_3\_126 +  
 X\_3\_127 +  
 X\_3\_128 + X\_3\_129 + X\_3\_130 + X\_3\_131 + X\_3\_132 + X\_3\_133 + X\_3\_134 +  
 X\_3\_135 +  
 X\_3\_136 >= 1;  
 [\_18043] X\_3\_113 + X\_3\_114 + X\_3\_115 + X\_3\_116 + X\_3\_117 + X\_3\_118 +  
 X\_3\_119 +  
 X\_3\_120 + X\_3\_121 + X\_3\_122 + X\_3\_123 + X\_3\_124 + X\_3\_125 + X\_3\_126 +  
 X\_3\_127 +  
 X\_3\_128 + X\_3\_129 + X\_3\_130 + X\_3\_131 + X\_3\_132 + X\_3\_133 + X\_3\_134 +  
 X\_3\_135 +  
 X\_3\_136 + X\_3\_137 + X\_3\_138 + X\_3\_139 + X\_3\_140 + X\_3\_141 + X\_3\_142 +  
 X\_3\_143 +  
 X\_3\_144 >= 1;  
 [\_18044] X\_3\_121 + X\_3\_122 + X\_3\_123 + X\_3\_124 + X\_3\_125 + X\_3\_126 +  
 X\_3\_127 +  
 X\_3\_128 + X\_3\_129 + X\_3\_130 + X\_3\_131 + X\_3\_132 + X\_3\_133 + X\_3\_134 +  
 X\_3\_135 +  
 X\_3\_136 + X\_3\_137 + X\_3\_138 + X\_3\_139 + X\_3\_140 + X\_3\_141 + X\_3\_142 +  
 X\_3\_143 +  
 X\_3\_144 + X\_3\_145 + X\_3\_146 + X\_3\_147 + X\_3\_148 + X\_3\_149 + X\_3\_150 +  
 X\_3\_151 +  
 X\_3\_152 >= 1;  
 [\_18045] X\_3\_129 + X\_3\_130 + X\_3\_131 + X\_3\_132 + X\_3\_133 + X\_3\_134 +  
 X\_3\_135 +  
 X\_3\_136 + X\_3\_137 + X\_3\_138 + X\_3\_139 + X\_3\_140 + X\_3\_141 + X\_3\_142 +  
 X\_3\_143 +  
 X\_3\_144 + X\_3\_145 + X\_3\_146 + X\_3\_147 + X\_3\_148 + X\_3\_149 + X\_3\_150 +  
 X\_3\_151 +  
 X\_3\_152 + X\_3\_153 + X\_3\_154 + X\_3\_155 + X\_3\_156 + X\_3\_157 + X\_3\_158 +  
 X\_3\_159 +  
 X\_3\_160 >= 1;  
 [\_18046] X\_3\_137 + X\_3\_138 + X\_3\_139 + X\_3\_140 + X\_3\_141 + X\_3\_142 +  
 X\_3\_143 +  
 X\_3\_144 + X\_3\_145 + X\_3\_146 + X\_3\_147 + X\_3\_148 + X\_3\_149 + X\_3\_150 +  
 X\_3\_151 +  
 X\_3\_152 + X\_3\_153 + X\_3\_154 + X\_3\_155 + X\_3\_156 + X\_3\_157 + X\_3\_158 +  
 X\_3\_159 +  
 X\_3\_160 + X\_3\_161 + X\_3\_162 + X\_3\_163 + X\_3\_164 + X\_3\_165 + X\_3\_166 +  
 X\_3\_167 +  
 X\_3\_168 >= 1;  
 [\_18047] X\_3\_145 + X\_3\_146 + X\_3\_147 + X\_3\_148 + X\_3\_149 + X\_3\_150 +  
 X\_3\_151 +  
 X\_3\_152 + X\_3\_153 + X\_3\_154 + X\_3\_155 + X\_3\_156 + X\_3\_157 + X\_3\_158 +  
 X\_3\_159 +  
 X\_3\_160 + X\_3\_161 + X\_3\_162 + X\_3\_163 + X\_3\_164 + X\_3\_165 + X\_3\_166 +  
 X\_3\_167 +  
 X\_3\_168 + X\_3\_169 + X\_3\_170 + X\_3\_171 + X\_3\_172 + X\_3\_173 + X\_3\_174 +  
 X\_3\_175 +  
 X\_3\_176 >= 1;  
 [\_18048] X\_3\_153 + X\_3\_154 + X\_3\_155 + X\_3\_156 + X\_3\_157 + X\_3\_158 +  
 X\_3\_159 +



$X_{3\_216} + X_{3\_217} + X_{3\_218} + X_{3\_219} + X_{3\_220} + X_{3\_221} + X_{3\_222} + X_{3\_223} + X_{3\_224} + X_{3\_225} + X_{3\_226} + X_{3\_227} + X_{3\_228} + X_{3\_229} + X_{3\_230} + X_{3\_231} + X_{3\_232} \geq 1;$   
 [\_18055]  $X_{3\_209} + X_{3\_210} + X_{3\_211} + X_{3\_212} + X_{3\_213} + X_{3\_214} + X_{3\_215} + X_{3\_216} + X_{3\_217} + X_{3\_218} + X_{3\_219} + X_{3\_220} + X_{3\_221} + X_{3\_222} + X_{3\_223} + X_{3\_224} + X_{3\_225} + X_{3\_226} + X_{3\_227} + X_{3\_228} + X_{3\_229} + X_{3\_230} + X_{3\_231} + X_{3\_232} + X_{3\_233} + X_{3\_234} + X_{3\_235} + X_{3\_236} + X_{3\_237} + X_{3\_238} + X_{3\_239} + X_{3\_240} \geq 1;$   
 [\_18056]  $X_{4\_1} + X_{4\_2} + X_{4\_3} + X_{4\_4} + X_{4\_5} + X_{4\_6} + X_{4\_7} + X_{4\_8} + X_{4\_9} + X_{4\_10} + X_{4\_11} + X_{4\_12} + X_{4\_13} + X_{4\_14} + X_{4\_15} + X_{4\_16} + X_{4\_17} + X_{4\_18} + X_{4\_19} + X_{4\_20} + X_{4\_21} + X_{4\_22} + X_{4\_23} + X_{4\_24} + X_{4\_25} + X_{4\_26} + X_{4\_27} + X_{4\_28} + X_{4\_29} + X_{4\_30} + X_{4\_31} + X_{4\_32} \geq 1;$   
 [\_18057]  $X_{4\_9} + X_{4\_10} + X_{4\_11} + X_{4\_12} + X_{4\_13} + X_{4\_14} + X_{4\_15} + X_{4\_16} + X_{4\_17} + X_{4\_18} + X_{4\_19} + X_{4\_20} + X_{4\_21} + X_{4\_22} + X_{4\_23} + X_{4\_24} + X_{4\_25} + X_{4\_26} + X_{4\_27} + X_{4\_28} + X_{4\_29} + X_{4\_30} + X_{4\_31} + X_{4\_32} + X_{4\_33} + X_{4\_34} + X_{4\_35} + X_{4\_36} + X_{4\_37} + X_{4\_38} + X_{4\_39} + X_{4\_40} \geq 1;$   
 [\_18058]  $X_{4\_17} + X_{4\_18} + X_{4\_19} + X_{4\_20} + X_{4\_21} + X_{4\_22} + X_{4\_23} + X_{4\_24} + X_{4\_25} + X_{4\_26} + X_{4\_27} + X_{4\_28} + X_{4\_29} + X_{4\_30} + X_{4\_31} + X_{4\_32} + X_{4\_33} + X_{4\_34} + X_{4\_35} + X_{4\_36} + X_{4\_37} + X_{4\_38} + X_{4\_39} + X_{4\_40} + X_{4\_41} + X_{4\_42} + X_{4\_43} + X_{4\_44} + X_{4\_45} + X_{4\_46} + X_{4\_47} + X_{4\_48} \geq 1;$   
 [\_18059]  $X_{4\_25} + X_{4\_26} + X_{4\_27} + X_{4\_28} + X_{4\_29} + X_{4\_30} + X_{4\_31} + X_{4\_32} + X_{4\_33} + X_{4\_34} + X_{4\_35} + X_{4\_36} + X_{4\_37} + X_{4\_38} + X_{4\_39} + X_{4\_40} + X_{4\_41} + X_{4\_42} + X_{4\_43} + X_{4\_44} + X_{4\_45} + X_{4\_46} + X_{4\_47} + X_{4\_48} + X_{4\_49} + X_{4\_50} + X_{4\_51} + X_{4\_52} + X_{4\_53} + X_{4\_54} + X_{4\_55} + X_{4\_56} \geq 1;$   
 [\_18060]  $X_{4\_33} + X_{4\_34} + X_{4\_35} + X_{4\_36} + X_{4\_37} + X_{4\_38} + X_{4\_39} + X_{4\_40} + X_{4\_41} + X_{4\_42} + X_{4\_43} + X_{4\_44} + X_{4\_45} + X_{4\_46} + X_{4\_47} + X_{4\_48} + X_{4\_49} + X_{4\_50} + X_{4\_51} + X_{4\_52} + X_{4\_53} + X_{4\_54} + X_{4\_55} + X_{4\_56} + X_{4\_57} + X_{4\_58} + X_{4\_59} + X_{4\_60} + X_{4\_61} + X_{4\_62} + X_{4\_63} + X_{4\_64} \geq 1;$   
 [\_18061]  $X_{4\_41} + X_{4\_42} + X_{4\_43} + X_{4\_44} + X_{4\_45} + X_{4\_46} + X_{4\_47} + X_{4\_48} + X_{4\_49} + X_{4\_50} + X_{4\_51} + X_{4\_52} + X_{4\_53} + X_{4\_54} + X_{4\_55} + X_{4\_56} + X_{4\_57} + X_{4\_58} + X_{4\_59} + X_{4\_60} + X_{4\_61} + X_{4\_62} + X_{4\_63} + X_{4\_64} + X_{4\_65} + X_{4\_66} + X_{4\_67} + X_{4\_68} + X_{4\_69} + X_{4\_70} + X_{4\_71} + X_{4\_72} \geq 1;$

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[_18062] X_4_49 + X_4_50 + X_4_51 + X_4_52 + X_4_53 + X_4_54 + X_4_55
+ X_4_56 +
  X_4_57 + X_4_58 + X_4_59 + X_4_60 + X_4_61 + X_4_62 + X_4_63 + X_4_64
+ X_4_65 +
  X_4_66 + X_4_67 + X_4_68 + X_4_69 + X_4_70 + X_4_71 + X_4_72 + X_4_73
+ X_4_74 +
  X_4_75 + X_4_76 + X_4_77 + X_4_78 + X_4_79 + X_4_80 >= 1;
[_18063] X_4_57 + X_4_58 + X_4_59 + X_4_60 + X_4_61 + X_4_62 + X_4_63
+ X_4_64 +
  X_4_65 + X_4_66 + X_4_67 + X_4_68 + X_4_69 + X_4_70 + X_4_71 + X_4_72
+ X_4_73 +
  X_4_74 + X_4_75 + X_4_76 + X_4_77 + X_4_78 + X_4_79 + X_4_80 + X_4_81
+ X_4_82 +
  X_4_83 + X_4_84 + X_4_85 + X_4_86 + X_4_87 + X_4_88 >= 1;
[_18064] X_4_65 + X_4_66 + X_4_67 + X_4_68 + X_4_69 + X_4_70 + X_4_71
+ X_4_72 +
  X_4_73 + X_4_74 + X_4_75 + X_4_76 + X_4_77 + X_4_78 + X_4_79 + X_4_80
+ X_4_81 +
  X_4_82 + X_4_83 + X_4_84 + X_4_85 + X_4_86 + X_4_87 + X_4_88 + X_4_89
+ X_4_90 +
  X_4_91 + X_4_92 + X_4_93 + X_4_94 + X_4_95 + X_4_96 >= 1;
[_18065] X_4_73 + X_4_74 + X_4_75 + X_4_76 + X_4_77 + X_4_78 + X_4_79
+ X_4_80 +
  X_4_81 + X_4_82 + X_4_83 + X_4_84 + X_4_85 + X_4_86 + X_4_87 + X_4_88
+ X_4_89 +
  X_4_90 + X_4_91 + X_4_92 + X_4_93 + X_4_94 + X_4_95 + X_4_96 + X_4_97
+ X_4_98 +
  X_4_99 + X_4_100 + X_4_101 + X_4_102 + X_4_103 + X_4_104 >= 1;
[_18066] X_4_81 + X_4_82 + X_4_83 + X_4_84 + X_4_85 + X_4_86 + X_4_87
+ X_4_88 +
  X_4_89 + X_4_90 + X_4_91 + X_4_92 + X_4_93 + X_4_94 + X_4_95 + X_4_96
+ X_4_97 +
  X_4_98 + X_4_99 + X_4_100 + X_4_101 + X_4_102 + X_4_103 + X_4_104 +
X_4_105 +
  X_4_106 + X_4_107 + X_4_108 + X_4_109 + X_4_110 + X_4_111 + X_4_112
>= 1;
[_18067] X_4_89 + X_4_90 + X_4_91 + X_4_92 + X_4_93 + X_4_94 + X_4_95
+ X_4_96 +
  X_4_97 + X_4_98 + X_4_99 + X_4_100 + X_4_101 + X_4_102 + X_4_103 +
X_4_104 +
  X_4_105 + X_4_106 + X_4_107 + X_4_108 + X_4_109 + X_4_110 + X_4_111 +
X_4_112 +
  X_4_113 + X_4_114 + X_4_115 + X_4_116 + X_4_117 + X_4_118 + X_4_119 +
X_4_120 >= 1
;
[_18068] X_4_97 + X_4_98 + X_4_99 + X_4_100 + X_4_101 + X_4_102 +
X_4_103 + X_4_104
+ X_4_105 + X_4_106 + X_4_107 + X_4_108 + X_4_109 + X_4_110 + X_4_111
+ X_4_112 +
  X_4_113 + X_4_114 + X_4_115 + X_4_116 + X_4_117 + X_4_118 + X_4_119 +
X_4_120 +
  X_4_121 + X_4_122 + X_4_123 + X_4_124 + X_4_125 + X_4_126 + X_4_127 +
X_4_128 >= 1
;
[_18069] X_4_105 + X_4_106 + X_4_107 + X_4_108 + X_4_109 + X_4_110 +
X_4_111 +

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$X_{4\_224} + X_{4\_225} + X_{4\_226} + X_{4\_227} + X_{4\_228} + X_{4\_229} + X_{4\_230} + X_{4\_231} + X_{4\_232} \geq 1;$   
 [\_18082]  $X_{4\_209} + X_{4\_210} + X_{4\_211} + X_{4\_212} + X_{4\_213} + X_{4\_214} + X_{4\_215} + X_{4\_216} + X_{4\_217} + X_{4\_218} + X_{4\_219} + X_{4\_220} + X_{4\_221} + X_{4\_222} + X_{4\_223} + X_{4\_224} + X_{4\_225} + X_{4\_226} + X_{4\_227} + X_{4\_228} + X_{4\_229} + X_{4\_230} + X_{4\_231} + X_{4\_232} + X_{4\_233} + X_{4\_234} + X_{4\_235} + X_{4\_236} + X_{4\_237} + X_{4\_238} + X_{4\_239} + X_{4\_240} \geq 1;$   
 [\_18083]  $X_{5\_1} + X_{5\_2} + X_{5\_3} + X_{5\_4} + X_{5\_5} + X_{5\_6} + X_{5\_7} + X_{5\_8} + X_{5\_9} + X_{5\_10} + X_{5\_11} + X_{5\_12} + X_{5\_13} + X_{5\_14} + X_{5\_15} + X_{5\_16} + X_{5\_17} + X_{5\_18} + X_{5\_19} + X_{5\_20} + X_{5\_21} + X_{5\_22} + X_{5\_23} + X_{5\_24} + X_{5\_25} + X_{5\_26} + X_{5\_27} + X_{5\_28} + X_{5\_29} + X_{5\_30} + X_{5\_31} + X_{5\_32} \geq 1;$   
 [\_18084]  $X_{5\_9} + X_{5\_10} + X_{5\_11} + X_{5\_12} + X_{5\_13} + X_{5\_14} + X_{5\_15} + X_{5\_16} + X_{5\_17} + X_{5\_18} + X_{5\_19} + X_{5\_20} + X_{5\_21} + X_{5\_22} + X_{5\_23} + X_{5\_24} + X_{5\_25} + X_{5\_26} + X_{5\_27} + X_{5\_28} + X_{5\_29} + X_{5\_30} + X_{5\_31} + X_{5\_32} + X_{5\_33} + X_{5\_34} + X_{5\_35} + X_{5\_36} + X_{5\_37} + X_{5\_38} + X_{5\_39} + X_{5\_40} \geq 1;$   
 [\_18085]  $X_{5\_17} + X_{5\_18} + X_{5\_19} + X_{5\_20} + X_{5\_21} + X_{5\_22} + X_{5\_23} + X_{5\_24} + X_{5\_25} + X_{5\_26} + X_{5\_27} + X_{5\_28} + X_{5\_29} + X_{5\_30} + X_{5\_31} + X_{5\_32} + X_{5\_33} + X_{5\_34} + X_{5\_35} + X_{5\_36} + X_{5\_37} + X_{5\_38} + X_{5\_39} + X_{5\_40} + X_{5\_41} + X_{5\_42} + X_{5\_43} + X_{5\_44} + X_{5\_45} + X_{5\_46} + X_{5\_47} + X_{5\_48} \geq 1;$   
 [\_18086]  $X_{5\_25} + X_{5\_26} + X_{5\_27} + X_{5\_28} + X_{5\_29} + X_{5\_30} + X_{5\_31} + X_{5\_32} + X_{5\_33} + X_{5\_34} + X_{5\_35} + X_{5\_36} + X_{5\_37} + X_{5\_38} + X_{5\_39} + X_{5\_40} + X_{5\_41} + X_{5\_42} + X_{5\_43} + X_{5\_44} + X_{5\_45} + X_{5\_46} + X_{5\_47} + X_{5\_48} + X_{5\_49} + X_{5\_50} + X_{5\_51} + X_{5\_52} + X_{5\_53} + X_{5\_54} + X_{5\_55} + X_{5\_56} \geq 1;$   
 [\_18087]  $X_{5\_33} + X_{5\_34} + X_{5\_35} + X_{5\_36} + X_{5\_37} + X_{5\_38} + X_{5\_39} + X_{5\_40} + X_{5\_41} + X_{5\_42} + X_{5\_43} + X_{5\_44} + X_{5\_45} + X_{5\_46} + X_{5\_47} + X_{5\_48} + X_{5\_49} + X_{5\_50} + X_{5\_51} + X_{5\_52} + X_{5\_53} + X_{5\_54} + X_{5\_55} + X_{5\_56} + X_{5\_57} + X_{5\_58} + X_{5\_59} + X_{5\_60} + X_{5\_61} + X_{5\_62} + X_{5\_63} + X_{5\_64} \geq 1;$   
 [\_18088]  $X_{5\_41} + X_{5\_42} + X_{5\_43} + X_{5\_44} + X_{5\_45} + X_{5\_46} + X_{5\_47} + X_{5\_48} + X_{5\_49} + X_{5\_50} + X_{5\_51} + X_{5\_52} + X_{5\_53} + X_{5\_54} + X_{5\_55} + X_{5\_56} + X_{5\_57} + X_{5\_58} + X_{5\_59} + X_{5\_60} + X_{5\_61} + X_{5\_62} + X_{5\_63} + X_{5\_64} + X_{5\_65} + X_{5\_66} + X_{5\_67} + X_{5\_68} + X_{5\_69} + X_{5\_70} + X_{5\_71} + X_{5\_72} \geq 1;$   
 [\_18089]  $X_{5\_49} + X_{5\_50} + X_{5\_51} + X_{5\_52} + X_{5\_53} + X_{5\_54} + X_{5\_55} + X_{5\_56} +$

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X_5_57 + X_5_58 + X_5_59 + X_5_60 + X_5_61 + X_5_62 + X_5_63 + X_5_64
+ X_5_65 +
X_5_66 + X_5_67 + X_5_68 + X_5_69 + X_5_70 + X_5_71 + X_5_72 + X_5_73
+ X_5_74 +
X_5_75 + X_5_76 + X_5_77 + X_5_78 + X_5_79 + X_5_80 >= 1;
[_18090] X_5_57 + X_5_58 + X_5_59 + X_5_60 + X_5_61 + X_5_62 + X_5_63
+ X_5_64 +
X_5_65 + X_5_66 + X_5_67 + X_5_68 + X_5_69 + X_5_70 + X_5_71 + X_5_72
+ X_5_73 +
X_5_74 + X_5_75 + X_5_76 + X_5_77 + X_5_78 + X_5_79 + X_5_80 + X_5_81
+ X_5_82 +
X_5_83 + X_5_84 + X_5_85 + X_5_86 + X_5_87 + X_5_88 >= 1;
[_18091] X_5_65 + X_5_66 + X_5_67 + X_5_68 + X_5_69 + X_5_70 + X_5_71
+ X_5_72 +
X_5_73 + X_5_74 + X_5_75 + X_5_76 + X_5_77 + X_5_78 + X_5_79 + X_5_80
+ X_5_81 +
X_5_82 + X_5_83 + X_5_84 + X_5_85 + X_5_86 + X_5_87 + X_5_88 + X_5_89
+ X_5_90 +
X_5_91 + X_5_92 + X_5_93 + X_5_94 + X_5_95 + X_5_96 >= 1;
[_18092] X_5_73 + X_5_74 + X_5_75 + X_5_76 + X_5_77 + X_5_78 + X_5_79
+ X_5_80 +
X_5_81 + X_5_82 + X_5_83 + X_5_84 + X_5_85 + X_5_86 + X_5_87 + X_5_88
+ X_5_89 +
X_5_90 + X_5_91 + X_5_92 + X_5_93 + X_5_94 + X_5_95 + X_5_96 + X_5_97
+ X_5_98 +
X_5_99 + X_5_100 + X_5_101 + X_5_102 + X_5_103 + X_5_104 >= 1;
[_18093] X_5_81 + X_5_82 + X_5_83 + X_5_84 + X_5_85 + X_5_86 + X_5_87
+ X_5_88 +
X_5_89 + X_5_90 + X_5_91 + X_5_92 + X_5_93 + X_5_94 + X_5_95 + X_5_96
+ X_5_97 +
X_5_98 + X_5_99 + X_5_100 + X_5_101 + X_5_102 + X_5_103 + X_5_104 +
X_5_105 +
X_5_106 + X_5_107 + X_5_108 + X_5_109 + X_5_110 + X_5_111 + X_5_112
>= 1;
[_18094] X_5_89 + X_5_90 + X_5_91 + X_5_92 + X_5_93 + X_5_94 + X_5_95
+ X_5_96 +
X_5_97 + X_5_98 + X_5_99 + X_5_100 + X_5_101 + X_5_102 + X_5_103 +
X_5_104 +
X_5_105 + X_5_106 + X_5_107 + X_5_108 + X_5_109 + X_5_110 + X_5_111 +
X_5_112 +
X_5_113 + X_5_114 + X_5_115 + X_5_116 + X_5_117 + X_5_118 + X_5_119 +
X_5_120 >= 1
;
[_18095] X_5_97 + X_5_98 + X_5_99 + X_5_100 + X_5_101 + X_5_102 +
X_5_103 + X_5_104
+ X_5_105 + X_5_106 + X_5_107 + X_5_108 + X_5_109 + X_5_110 + X_5_111
+ X_5_112 +
X_5_113 + X_5_114 + X_5_115 + X_5_116 + X_5_117 + X_5_118 + X_5_119 +
X_5_120 +
X_5_121 + X_5_122 + X_5_123 + X_5_124 + X_5_125 + X_5_126 + X_5_127 +
X_5_128 >= 1
;
[_18096] X_5_105 + X_5_106 + X_5_107 + X_5_108 + X_5_109 + X_5_110 +
X_5_111 +
X_5_112 + X_5_113 + X_5_114 + X_5_115 + X_5_116 + X_5_117 + X_5_118 +
X_5_119 +

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[\_18109] X\_5\_209 + X\_5\_210 + X\_5\_211 + X\_5\_212 + X\_5\_213 + X\_5\_214 +  
 X\_5\_215 +  
 X\_5\_216 + X\_5\_217 + X\_5\_218 + X\_5\_219 + X\_5\_220 + X\_5\_221 + X\_5\_222 +  
 X\_5\_223 +  
 X\_5\_224 + X\_5\_225 + X\_5\_226 + X\_5\_227 + X\_5\_228 + X\_5\_229 + X\_5\_230 +  
 X\_5\_231 +  
 X\_5\_232 + X\_5\_233 + X\_5\_234 + X\_5\_235 + X\_5\_236 + X\_5\_237 + X\_5\_238 +  
 X\_5\_239 +  
 X\_5\_240 >= 1;  
 [\_18110] X\_6\_1 + X\_6\_2 + X\_6\_3 + X\_6\_4 + X\_6\_5 + X\_6\_6 + X\_6\_7 + X\_6\_8  
 + X\_6\_9 +  
 X\_6\_10 + X\_6\_11 + X\_6\_12 + X\_6\_13 + X\_6\_14 + X\_6\_15 + X\_6\_16 + X\_6\_17  
 + X\_6\_18 +  
 X\_6\_19 + X\_6\_20 + X\_6\_21 + X\_6\_22 + X\_6\_23 + X\_6\_24 + X\_6\_25 + X\_6\_26  
 + X\_6\_27 +  
 X\_6\_28 + X\_6\_29 + X\_6\_30 + X\_6\_31 + X\_6\_32 >= 1;  
 [\_18111] X\_6\_9 + X\_6\_10 + X\_6\_11 + X\_6\_12 + X\_6\_13 + X\_6\_14 + X\_6\_15 +  
 X\_6\_16 +  
 X\_6\_17 + X\_6\_18 + X\_6\_19 + X\_6\_20 + X\_6\_21 + X\_6\_22 + X\_6\_23 + X\_6\_24  
 + X\_6\_25 +  
 X\_6\_26 + X\_6\_27 + X\_6\_28 + X\_6\_29 + X\_6\_30 + X\_6\_31 + X\_6\_32 + X\_6\_33  
 + X\_6\_34 +  
 X\_6\_35 + X\_6\_36 + X\_6\_37 + X\_6\_38 + X\_6\_39 + X\_6\_40 >= 1;  
 [\_18112] X\_6\_17 + X\_6\_18 + X\_6\_19 + X\_6\_20 + X\_6\_21 + X\_6\_22 + X\_6\_23  
 + X\_6\_24 +  
 X\_6\_25 + X\_6\_26 + X\_6\_27 + X\_6\_28 + X\_6\_29 + X\_6\_30 + X\_6\_31 + X\_6\_32  
 + X\_6\_33 +  
 X\_6\_34 + X\_6\_35 + X\_6\_36 + X\_6\_37 + X\_6\_38 + X\_6\_39 + X\_6\_40 + X\_6\_41  
 + X\_6\_42 +  
 X\_6\_43 + X\_6\_44 + X\_6\_45 + X\_6\_46 + X\_6\_47 + X\_6\_48 >= 1;  
 [\_18113] X\_6\_25 + X\_6\_26 + X\_6\_27 + X\_6\_28 + X\_6\_29 + X\_6\_30 + X\_6\_31  
 + X\_6\_32 +  
 X\_6\_33 + X\_6\_34 + X\_6\_35 + X\_6\_36 + X\_6\_37 + X\_6\_38 + X\_6\_39 + X\_6\_40  
 + X\_6\_41 +  
 X\_6\_42 + X\_6\_43 + X\_6\_44 + X\_6\_45 + X\_6\_46 + X\_6\_47 + X\_6\_48 + X\_6\_49  
 + X\_6\_50 +  
 X\_6\_51 + X\_6\_52 + X\_6\_53 + X\_6\_54 + X\_6\_55 + X\_6\_56 >= 1;  
 [\_18114] X\_6\_33 + X\_6\_34 + X\_6\_35 + X\_6\_36 + X\_6\_37 + X\_6\_38 + X\_6\_39  
 + X\_6\_40 +  
 X\_6\_41 + X\_6\_42 + X\_6\_43 + X\_6\_44 + X\_6\_45 + X\_6\_46 + X\_6\_47 + X\_6\_48  
 + X\_6\_49 +  
 X\_6\_50 + X\_6\_51 + X\_6\_52 + X\_6\_53 + X\_6\_54 + X\_6\_55 + X\_6\_56 + X\_6\_57  
 + X\_6\_58 +  
 X\_6\_59 + X\_6\_60 + X\_6\_61 + X\_6\_62 + X\_6\_63 + X\_6\_64 >= 1;  
 [\_18115] X\_6\_41 + X\_6\_42 + X\_6\_43 + X\_6\_44 + X\_6\_45 + X\_6\_46 + X\_6\_47  
 + X\_6\_48 +  
 X\_6\_49 + X\_6\_50 + X\_6\_51 + X\_6\_52 + X\_6\_53 + X\_6\_54 + X\_6\_55 + X\_6\_56  
 + X\_6\_57 +  
 X\_6\_58 + X\_6\_59 + X\_6\_60 + X\_6\_61 + X\_6\_62 + X\_6\_63 + X\_6\_64 + X\_6\_65  
 + X\_6\_66 +  
 X\_6\_67 + X\_6\_68 + X\_6\_69 + X\_6\_70 + X\_6\_71 + X\_6\_72 >= 1;  
 [\_18116] X\_6\_49 + X\_6\_50 + X\_6\_51 + X\_6\_52 + X\_6\_53 + X\_6\_54 + X\_6\_55  
 + X\_6\_56 +  
 X\_6\_57 + X\_6\_58 + X\_6\_59 + X\_6\_60 + X\_6\_61 + X\_6\_62 + X\_6\_63 + X\_6\_64  
 + X\_6\_65 +  
 X\_6\_66 + X\_6\_67 + X\_6\_68 + X\_6\_69 + X\_6\_70 + X\_6\_71 + X\_6\_72 + X\_6\_73  
 + X\_6\_74 +

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X_6_75 + X_6_76 + X_6_77 + X_6_78 + X_6_79 + X_6_80 >= 1;
[_18117] X_6_57 + X_6_58 + X_6_59 + X_6_60 + X_6_61 + X_6_62 + X_6_63
+ X_6_64 +
X_6_65 + X_6_66 + X_6_67 + X_6_68 + X_6_69 + X_6_70 + X_6_71 + X_6_72
+ X_6_73 +
X_6_74 + X_6_75 + X_6_76 + X_6_77 + X_6_78 + X_6_79 + X_6_80 + X_6_81
+ X_6_82 +
X_6_83 + X_6_84 + X_6_85 + X_6_86 + X_6_87 + X_6_88 >= 1;
[_18118] X_6_65 + X_6_66 + X_6_67 + X_6_68 + X_6_69 + X_6_70 + X_6_71
+ X_6_72 +
X_6_73 + X_6_74 + X_6_75 + X_6_76 + X_6_77 + X_6_78 + X_6_79 + X_6_80
+ X_6_81 +
X_6_82 + X_6_83 + X_6_84 + X_6_85 + X_6_86 + X_6_87 + X_6_88 + X_6_89
+ X_6_90 +
X_6_91 + X_6_92 + X_6_93 + X_6_94 + X_6_95 + X_6_96 >= 1;
[_18119] X_6_73 + X_6_74 + X_6_75 + X_6_76 + X_6_77 + X_6_78 + X_6_79
+ X_6_80 +
X_6_81 + X_6_82 + X_6_83 + X_6_84 + X_6_85 + X_6_86 + X_6_87 + X_6_88
+ X_6_89 +
X_6_90 + X_6_91 + X_6_92 + X_6_93 + X_6_94 + X_6_95 + X_6_96 + X_6_97
+ X_6_98 +
X_6_99 + X_6_100 + X_6_101 + X_6_102 + X_6_103 + X_6_104 >= 1;
[_18120] X_6_81 + X_6_82 + X_6_83 + X_6_84 + X_6_85 + X_6_86 + X_6_87
+ X_6_88 +
X_6_89 + X_6_90 + X_6_91 + X_6_92 + X_6_93 + X_6_94 + X_6_95 + X_6_96
+ X_6_97 +
X_6_98 + X_6_99 + X_6_100 + X_6_101 + X_6_102 + X_6_103 + X_6_104 +
X_6_105 +
X_6_106 + X_6_107 + X_6_108 + X_6_109 + X_6_110 + X_6_111 + X_6_112
>= 1;
[_18121] X_6_89 + X_6_90 + X_6_91 + X_6_92 + X_6_93 + X_6_94 + X_6_95
+ X_6_96 +
X_6_97 + X_6_98 + X_6_99 + X_6_100 + X_6_101 + X_6_102 + X_6_103 +
X_6_104 +
X_6_105 + X_6_106 + X_6_107 + X_6_108 + X_6_109 + X_6_110 + X_6_111 +
X_6_112 +
X_6_113 + X_6_114 + X_6_115 + X_6_116 + X_6_117 + X_6_118 + X_6_119 +
X_6_120 >= 1
;
[_18122] X_6_97 + X_6_98 + X_6_99 + X_6_100 + X_6_101 + X_6_102 +
X_6_103 + X_6_104
+ X_6_105 + X_6_106 + X_6_107 + X_6_108 + X_6_109 + X_6_110 + X_6_111
+ X_6_112 +
X_6_113 + X_6_114 + X_6_115 + X_6_116 + X_6_117 + X_6_118 + X_6_119 +
X_6_120 +
X_6_121 + X_6_122 + X_6_123 + X_6_124 + X_6_125 + X_6_126 + X_6_127 +
X_6_128 >= 1
;
[_18123] X_6_105 + X_6_106 + X_6_107 + X_6_108 + X_6_109 + X_6_110 +
X_6_111 +
X_6_112 + X_6_113 + X_6_114 + X_6_115 + X_6_116 + X_6_117 + X_6_118 +
X_6_119 +
X_6_120 + X_6_121 + X_6_122 + X_6_123 + X_6_124 + X_6_125 + X_6_126 +
X_6_127 +
X_6_128 + X_6_129 + X_6_130 + X_6_131 + X_6_132 + X_6_133 + X_6_134 +
X_6_135 +
X_6_136 >= 1;

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[\_18124] X\_6\_113 + X\_6\_114 + X\_6\_115 + X\_6\_116 + X\_6\_117 + X\_6\_118 +  
 X\_6\_119 +  
 X\_6\_120 + X\_6\_121 + X\_6\_122 + X\_6\_123 + X\_6\_124 + X\_6\_125 + X\_6\_126 +  
 X\_6\_127 +  
 X\_6\_128 + X\_6\_129 + X\_6\_130 + X\_6\_131 + X\_6\_132 + X\_6\_133 + X\_6\_134 +  
 X\_6\_135 +  
 X\_6\_136 + X\_6\_137 + X\_6\_138 + X\_6\_139 + X\_6\_140 + X\_6\_141 + X\_6\_142 +  
 X\_6\_143 +  
 X\_6\_144 >= 1;  
 [\_18125] X\_6\_121 + X\_6\_122 + X\_6\_123 + X\_6\_124 + X\_6\_125 + X\_6\_126 +  
 X\_6\_127 +  
 X\_6\_128 + X\_6\_129 + X\_6\_130 + X\_6\_131 + X\_6\_132 + X\_6\_133 + X\_6\_134 +  
 X\_6\_135 +  
 X\_6\_136 + X\_6\_137 + X\_6\_138 + X\_6\_139 + X\_6\_140 + X\_6\_141 + X\_6\_142 +  
 X\_6\_143 +  
 X\_6\_144 + X\_6\_145 + X\_6\_146 + X\_6\_147 + X\_6\_148 + X\_6\_149 + X\_6\_150 +  
 X\_6\_151 +  
 X\_6\_152 >= 1;  
 [\_18126] X\_6\_129 + X\_6\_130 + X\_6\_131 + X\_6\_132 + X\_6\_133 + X\_6\_134 +  
 X\_6\_135 +  
 X\_6\_136 + X\_6\_137 + X\_6\_138 + X\_6\_139 + X\_6\_140 + X\_6\_141 + X\_6\_142 +  
 X\_6\_143 +  
 X\_6\_144 + X\_6\_145 + X\_6\_146 + X\_6\_147 + X\_6\_148 + X\_6\_149 + X\_6\_150 +  
 X\_6\_151 +  
 X\_6\_152 + X\_6\_153 + X\_6\_154 + X\_6\_155 + X\_6\_156 + X\_6\_157 + X\_6\_158 +  
 X\_6\_159 +  
 X\_6\_160 >= 1;  
 [\_18127] X\_6\_137 + X\_6\_138 + X\_6\_139 + X\_6\_140 + X\_6\_141 + X\_6\_142 +  
 X\_6\_143 +  
 X\_6\_144 + X\_6\_145 + X\_6\_146 + X\_6\_147 + X\_6\_148 + X\_6\_149 + X\_6\_150 +  
 X\_6\_151 +  
 X\_6\_152 + X\_6\_153 + X\_6\_154 + X\_6\_155 + X\_6\_156 + X\_6\_157 + X\_6\_158 +  
 X\_6\_159 +  
 X\_6\_160 + X\_6\_161 + X\_6\_162 + X\_6\_163 + X\_6\_164 + X\_6\_165 + X\_6\_166 +  
 X\_6\_167 +  
 X\_6\_168 >= 1;  
 [\_18128] X\_6\_145 + X\_6\_146 + X\_6\_147 + X\_6\_148 + X\_6\_149 + X\_6\_150 +  
 X\_6\_151 +  
 X\_6\_152 + X\_6\_153 + X\_6\_154 + X\_6\_155 + X\_6\_156 + X\_6\_157 + X\_6\_158 +  
 X\_6\_159 +  
 X\_6\_160 + X\_6\_161 + X\_6\_162 + X\_6\_163 + X\_6\_164 + X\_6\_165 + X\_6\_166 +  
 X\_6\_167 +  
 X\_6\_168 + X\_6\_169 + X\_6\_170 + X\_6\_171 + X\_6\_172 + X\_6\_173 + X\_6\_174 +  
 X\_6\_175 +  
 X\_6\_176 >= 1;  
 [\_18129] X\_6\_153 + X\_6\_154 + X\_6\_155 + X\_6\_156 + X\_6\_157 + X\_6\_158 +  
 X\_6\_159 +  
 X\_6\_160 + X\_6\_161 + X\_6\_162 + X\_6\_163 + X\_6\_164 + X\_6\_165 + X\_6\_166 +  
 X\_6\_167 +  
 X\_6\_168 + X\_6\_169 + X\_6\_170 + X\_6\_171 + X\_6\_172 + X\_6\_173 + X\_6\_174 +  
 X\_6\_175 +  
 X\_6\_176 + X\_6\_177 + X\_6\_178 + X\_6\_179 + X\_6\_180 + X\_6\_181 + X\_6\_182 +  
 X\_6\_183 +  
 X\_6\_184 >= 1;  
 [\_18130] X\_6\_161 + X\_6\_162 + X\_6\_163 + X\_6\_164 + X\_6\_165 + X\_6\_166 +  
 X\_6\_167 +





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X_7_65 + X_7_66 + X_7_67 + X_7_68 + X_7_69 + X_7_70 + X_7_71 + X_7_72
+ X_7_73 +
X_7_74 + X_7_75 + X_7_76 + X_7_77 + X_7_78 + X_7_79 + X_7_80 + X_7_81
+ X_7_82 +
X_7_83 + X_7_84 + X_7_85 + X_7_86 + X_7_87 + X_7_88 >= 1;
[_18145] X_7_65 + X_7_66 + X_7_67 + X_7_68 + X_7_69 + X_7_70 + X_7_71
+ X_7_72 +
X_7_73 + X_7_74 + X_7_75 + X_7_76 + X_7_77 + X_7_78 + X_7_79 + X_7_80
+ X_7_81 +
X_7_82 + X_7_83 + X_7_84 + X_7_85 + X_7_86 + X_7_87 + X_7_88 + X_7_89
+ X_7_90 +
X_7_91 + X_7_92 + X_7_93 + X_7_94 + X_7_95 + X_7_96 >= 1;
[_18146] X_7_73 + X_7_74 + X_7_75 + X_7_76 + X_7_77 + X_7_78 + X_7_79
+ X_7_80 +
X_7_81 + X_7_82 + X_7_83 + X_7_84 + X_7_85 + X_7_86 + X_7_87 + X_7_88
+ X_7_89 +
X_7_90 + X_7_91 + X_7_92 + X_7_93 + X_7_94 + X_7_95 + X_7_96 + X_7_97
+ X_7_98 +
X_7_99 + X_7_100 + X_7_101 + X_7_102 + X_7_103 + X_7_104 >= 1;
[_18147] X_7_81 + X_7_82 + X_7_83 + X_7_84 + X_7_85 + X_7_86 + X_7_87
+ X_7_88 +
X_7_89 + X_7_90 + X_7_91 + X_7_92 + X_7_93 + X_7_94 + X_7_95 + X_7_96
+ X_7_97 +
X_7_98 + X_7_99 + X_7_100 + X_7_101 + X_7_102 + X_7_103 + X_7_104 +
X_7_105 +
X_7_106 + X_7_107 + X_7_108 + X_7_109 + X_7_110 + X_7_111 + X_7_112
>= 1;
[_18148] X_7_89 + X_7_90 + X_7_91 + X_7_92 + X_7_93 + X_7_94 + X_7_95
+ X_7_96 +
X_7_97 + X_7_98 + X_7_99 + X_7_100 + X_7_101 + X_7_102 + X_7_103 +
X_7_104 +
X_7_105 + X_7_106 + X_7_107 + X_7_108 + X_7_109 + X_7_110 + X_7_111 +
X_7_112 +
X_7_113 + X_7_114 + X_7_115 + X_7_116 + X_7_117 + X_7_118 + X_7_119 +
X_7_120 >= 1
;
[_18149] X_7_97 + X_7_98 + X_7_99 + X_7_100 + X_7_101 + X_7_102 +
X_7_103 + X_7_104
+ X_7_105 + X_7_106 + X_7_107 + X_7_108 + X_7_109 + X_7_110 + X_7_111
+ X_7_112 +
X_7_113 + X_7_114 + X_7_115 + X_7_116 + X_7_117 + X_7_118 + X_7_119 +
X_7_120 +
X_7_121 + X_7_122 + X_7_123 + X_7_124 + X_7_125 + X_7_126 + X_7_127 +
X_7_128 >= 1
;
[_18150] X_7_105 + X_7_106 + X_7_107 + X_7_108 + X_7_109 + X_7_110 +
X_7_111 +
X_7_112 + X_7_113 + X_7_114 + X_7_115 + X_7_116 + X_7_117 + X_7_118 +
X_7_119 +
X_7_120 + X_7_121 + X_7_122 + X_7_123 + X_7_124 + X_7_125 + X_7_126 +
X_7_127 +
X_7_128 + X_7_129 + X_7_130 + X_7_131 + X_7_132 + X_7_133 + X_7_134 +
X_7_135 +
X_7_136 >= 1;
[_18151] X_7_113 + X_7_114 + X_7_115 + X_7_116 + X_7_117 + X_7_118 +
X_7_119 +

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X_8_74 + X_8_75 + X_8_76 + X_8_77 + X_8_78 + X_8_79 + X_8_80 + X_8_81
+ X_8_82 +
X_8_83 + X_8_84 + X_8_85 + X_8_86 + X_8_87 + X_8_88 >= 1;
[_18172] X_8_65 + X_8_66 + X_8_67 + X_8_68 + X_8_69 + X_8_70 + X_8_71
+ X_8_72 +
X_8_73 + X_8_74 + X_8_75 + X_8_76 + X_8_77 + X_8_78 + X_8_79 + X_8_80
+ X_8_81 +
X_8_82 + X_8_83 + X_8_84 + X_8_85 + X_8_86 + X_8_87 + X_8_88 + X_8_89
+ X_8_90 +
X_8_91 + X_8_92 + X_8_93 + X_8_94 + X_8_95 + X_8_96 >= 1;
[_18173] X_8_73 + X_8_74 + X_8_75 + X_8_76 + X_8_77 + X_8_78 + X_8_79
+ X_8_80 +
X_8_81 + X_8_82 + X_8_83 + X_8_84 + X_8_85 + X_8_86 + X_8_87 + X_8_88
+ X_8_89 +
X_8_90 + X_8_91 + X_8_92 + X_8_93 + X_8_94 + X_8_95 + X_8_96 + X_8_97
+ X_8_98 +
X_8_99 + X_8_100 + X_8_101 + X_8_102 + X_8_103 + X_8_104 >= 1;
[_18174] X_8_81 + X_8_82 + X_8_83 + X_8_84 + X_8_85 + X_8_86 + X_8_87
+ X_8_88 +
X_8_89 + X_8_90 + X_8_91 + X_8_92 + X_8_93 + X_8_94 + X_8_95 + X_8_96
+ X_8_97 +
X_8_98 + X_8_99 + X_8_100 + X_8_101 + X_8_102 + X_8_103 + X_8_104 +
X_8_105 +
X_8_106 + X_8_107 + X_8_108 + X_8_109 + X_8_110 + X_8_111 + X_8_112
>= 1;
[_18175] X_8_89 + X_8_90 + X_8_91 + X_8_92 + X_8_93 + X_8_94 + X_8_95
+ X_8_96 +
X_8_97 + X_8_98 + X_8_99 + X_8_100 + X_8_101 + X_8_102 + X_8_103 +
X_8_104 +
X_8_105 + X_8_106 + X_8_107 + X_8_108 + X_8_109 + X_8_110 + X_8_111 +
X_8_112 +
X_8_113 + X_8_114 + X_8_115 + X_8_116 + X_8_117 + X_8_118 + X_8_119 +
X_8_120 >= 1
;
[_18176] X_8_97 + X_8_98 + X_8_99 + X_8_100 + X_8_101 + X_8_102 +
X_8_103 + X_8_104
+ X_8_105 + X_8_106 + X_8_107 + X_8_108 + X_8_109 + X_8_110 + X_8_111
+ X_8_112 +
X_8_113 + X_8_114 + X_8_115 + X_8_116 + X_8_117 + X_8_118 + X_8_119 +
X_8_120 +
X_8_121 + X_8_122 + X_8_123 + X_8_124 + X_8_125 + X_8_126 + X_8_127 +
X_8_128 >= 1
;
[_18177] X_8_105 + X_8_106 + X_8_107 + X_8_108 + X_8_109 + X_8_110 +
X_8_111 +
X_8_112 + X_8_113 + X_8_114 + X_8_115 + X_8_116 + X_8_117 + X_8_118 +
X_8_119 +
X_8_120 + X_8_121 + X_8_122 + X_8_123 + X_8_124 + X_8_125 + X_8_126 +
X_8_127 +
X_8_128 + X_8_129 + X_8_130 + X_8_131 + X_8_132 + X_8_133 + X_8_134 +
X_8_135 +
X_8_136 >= 1;
[_18178] X_8_113 + X_8_114 + X_8_115 + X_8_116 + X_8_117 + X_8_118 +
X_8_119 +
X_8_120 + X_8_121 + X_8_122 + X_8_123 + X_8_124 + X_8_125 + X_8_126 +
X_8_127 +

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[\_18191] X\_9\_1 + X\_9\_2 + X\_9\_3 + X\_9\_4 + X\_9\_5 + X\_9\_6 + X\_9\_7 + X\_9\_8  
 + X\_9\_9 +  
 X\_9\_10 + X\_9\_11 + X\_9\_12 + X\_9\_13 + X\_9\_14 + X\_9\_15 + X\_9\_16 + X\_9\_17  
 + X\_9\_18 +  
 X\_9\_19 + X\_9\_20 + X\_9\_21 + X\_9\_22 + X\_9\_23 + X\_9\_24 + X\_9\_25 + X\_9\_26  
 + X\_9\_27 +  
 X\_9\_28 + X\_9\_29 + X\_9\_30 + X\_9\_31 + X\_9\_32 >= 1;  
 [\_18192] X\_9\_9 + X\_9\_10 + X\_9\_11 + X\_9\_12 + X\_9\_13 + X\_9\_14 + X\_9\_15 +  
 X\_9\_16 +  
 X\_9\_17 + X\_9\_18 + X\_9\_19 + X\_9\_20 + X\_9\_21 + X\_9\_22 + X\_9\_23 + X\_9\_24  
 + X\_9\_25 +  
 X\_9\_26 + X\_9\_27 + X\_9\_28 + X\_9\_29 + X\_9\_30 + X\_9\_31 + X\_9\_32 + X\_9\_33  
 + X\_9\_34 +  
 X\_9\_35 + X\_9\_36 + X\_9\_37 + X\_9\_38 + X\_9\_39 + X\_9\_40 >= 1;  
 [\_18193] X\_9\_17 + X\_9\_18 + X\_9\_19 + X\_9\_20 + X\_9\_21 + X\_9\_22 + X\_9\_23  
 + X\_9\_24 +  
 X\_9\_25 + X\_9\_26 + X\_9\_27 + X\_9\_28 + X\_9\_29 + X\_9\_30 + X\_9\_31 + X\_9\_32  
 + X\_9\_33 +  
 X\_9\_34 + X\_9\_35 + X\_9\_36 + X\_9\_37 + X\_9\_38 + X\_9\_39 + X\_9\_40 + X\_9\_41  
 + X\_9\_42 +  
 X\_9\_43 + X\_9\_44 + X\_9\_45 + X\_9\_46 + X\_9\_47 + X\_9\_48 >= 1;  
 [\_18194] X\_9\_25 + X\_9\_26 + X\_9\_27 + X\_9\_28 + X\_9\_29 + X\_9\_30 + X\_9\_31  
 + X\_9\_32 +  
 X\_9\_33 + X\_9\_34 + X\_9\_35 + X\_9\_36 + X\_9\_37 + X\_9\_38 + X\_9\_39 + X\_9\_40  
 + X\_9\_41 +  
 X\_9\_42 + X\_9\_43 + X\_9\_44 + X\_9\_45 + X\_9\_46 + X\_9\_47 + X\_9\_48 + X\_9\_49  
 + X\_9\_50 +  
 X\_9\_51 + X\_9\_52 + X\_9\_53 + X\_9\_54 + X\_9\_55 + X\_9\_56 >= 1;  
 [\_18195] X\_9\_33 + X\_9\_34 + X\_9\_35 + X\_9\_36 + X\_9\_37 + X\_9\_38 + X\_9\_39  
 + X\_9\_40 +  
 X\_9\_41 + X\_9\_42 + X\_9\_43 + X\_9\_44 + X\_9\_45 + X\_9\_46 + X\_9\_47 + X\_9\_48  
 + X\_9\_49 +  
 X\_9\_50 + X\_9\_51 + X\_9\_52 + X\_9\_53 + X\_9\_54 + X\_9\_55 + X\_9\_56 + X\_9\_57  
 + X\_9\_58 +  
 X\_9\_59 + X\_9\_60 + X\_9\_61 + X\_9\_62 + X\_9\_63 + X\_9\_64 >= 1;  
 [\_18196] X\_9\_41 + X\_9\_42 + X\_9\_43 + X\_9\_44 + X\_9\_45 + X\_9\_46 + X\_9\_47  
 + X\_9\_48 +  
 X\_9\_49 + X\_9\_50 + X\_9\_51 + X\_9\_52 + X\_9\_53 + X\_9\_54 + X\_9\_55 + X\_9\_56  
 + X\_9\_57 +  
 X\_9\_58 + X\_9\_59 + X\_9\_60 + X\_9\_61 + X\_9\_62 + X\_9\_63 + X\_9\_64 + X\_9\_65  
 + X\_9\_66 +  
 X\_9\_67 + X\_9\_68 + X\_9\_69 + X\_9\_70 + X\_9\_71 + X\_9\_72 >= 1;  
 [\_18197] X\_9\_49 + X\_9\_50 + X\_9\_51 + X\_9\_52 + X\_9\_53 + X\_9\_54 + X\_9\_55  
 + X\_9\_56 +  
 X\_9\_57 + X\_9\_58 + X\_9\_59 + X\_9\_60 + X\_9\_61 + X\_9\_62 + X\_9\_63 + X\_9\_64  
 + X\_9\_65 +  
 X\_9\_66 + X\_9\_67 + X\_9\_68 + X\_9\_69 + X\_9\_70 + X\_9\_71 + X\_9\_72 + X\_9\_73  
 + X\_9\_74 +  
 X\_9\_75 + X\_9\_76 + X\_9\_77 + X\_9\_78 + X\_9\_79 + X\_9\_80 >= 1;  
 [\_18198] X\_9\_57 + X\_9\_58 + X\_9\_59 + X\_9\_60 + X\_9\_61 + X\_9\_62 + X\_9\_63  
 + X\_9\_64 +  
 X\_9\_65 + X\_9\_66 + X\_9\_67 + X\_9\_68 + X\_9\_69 + X\_9\_70 + X\_9\_71 + X\_9\_72  
 + X\_9\_73 +  
 X\_9\_74 + X\_9\_75 + X\_9\_76 + X\_9\_77 + X\_9\_78 + X\_9\_79 + X\_9\_80 + X\_9\_81  
 + X\_9\_82 +  
 X\_9\_83 + X\_9\_84 + X\_9\_85 + X\_9\_86 + X\_9\_87 + X\_9\_88 >= 1;

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[_18199] X_9_65 + X_9_66 + X_9_67 + X_9_68 + X_9_69 + X_9_70 + X_9_71
+ X_9_72 +
  X_9_73 + X_9_74 + X_9_75 + X_9_76 + X_9_77 + X_9_78 + X_9_79 + X_9_80
+ X_9_81 +
  X_9_82 + X_9_83 + X_9_84 + X_9_85 + X_9_86 + X_9_87 + X_9_88 + X_9_89
+ X_9_90 +
  X_9_91 + X_9_92 + X_9_93 + X_9_94 + X_9_95 + X_9_96 >= 1;
[_18200] X_9_73 + X_9_74 + X_9_75 + X_9_76 + X_9_77 + X_9_78 + X_9_79
+ X_9_80 +
  X_9_81 + X_9_82 + X_9_83 + X_9_84 + X_9_85 + X_9_86 + X_9_87 + X_9_88
+ X_9_89 +
  X_9_90 + X_9_91 + X_9_92 + X_9_93 + X_9_94 + X_9_95 + X_9_96 + X_9_97
+ X_9_98 +
  X_9_99 + X_9_100 + X_9_101 + X_9_102 + X_9_103 + X_9_104 >= 1;
[_18201] X_9_81 + X_9_82 + X_9_83 + X_9_84 + X_9_85 + X_9_86 + X_9_87
+ X_9_88 +
  X_9_89 + X_9_90 + X_9_91 + X_9_92 + X_9_93 + X_9_94 + X_9_95 + X_9_96
+ X_9_97 +
  X_9_98 + X_9_99 + X_9_100 + X_9_101 + X_9_102 + X_9_103 + X_9_104 +
X_9_105 +
  X_9_106 + X_9_107 + X_9_108 + X_9_109 + X_9_110 + X_9_111 + X_9_112
>= 1;
[_18202] X_9_89 + X_9_90 + X_9_91 + X_9_92 + X_9_93 + X_9_94 + X_9_95
+ X_9_96 +
  X_9_97 + X_9_98 + X_9_99 + X_9_100 + X_9_101 + X_9_102 + X_9_103 +
X_9_104 +
  X_9_105 + X_9_106 + X_9_107 + X_9_108 + X_9_109 + X_9_110 + X_9_111 +
X_9_112 +
  X_9_113 + X_9_114 + X_9_115 + X_9_116 + X_9_117 + X_9_118 + X_9_119 +
X_9_120 >= 1
;
[_18203] X_9_97 + X_9_98 + X_9_99 + X_9_100 + X_9_101 + X_9_102 +
X_9_103 + X_9_104
+ X_9_105 + X_9_106 + X_9_107 + X_9_108 + X_9_109 + X_9_110 + X_9_111
+ X_9_112 +
  X_9_113 + X_9_114 + X_9_115 + X_9_116 + X_9_117 + X_9_118 + X_9_119 +
X_9_120 +
  X_9_121 + X_9_122 + X_9_123 + X_9_124 + X_9_125 + X_9_126 + X_9_127 +
X_9_128 >= 1
;
[_18204] X_9_105 + X_9_106 + X_9_107 + X_9_108 + X_9_109 + X_9_110 +
X_9_111 +
  X_9_112 + X_9_113 + X_9_114 + X_9_115 + X_9_116 + X_9_117 + X_9_118 +
X_9_119 +
  X_9_120 + X_9_121 + X_9_122 + X_9_123 + X_9_124 + X_9_125 + X_9_126 +
X_9_127 +
  X_9_128 + X_9_129 + X_9_130 + X_9_131 + X_9_132 + X_9_133 + X_9_134 +
X_9_135 +
  X_9_136 >= 1;
[_18205] X_9_113 + X_9_114 + X_9_115 + X_9_116 + X_9_117 + X_9_118 +
X_9_119 +
  X_9_120 + X_9_121 + X_9_122 + X_9_123 + X_9_124 + X_9_125 + X_9_126 +
X_9_127 +
  X_9_128 + X_9_129 + X_9_130 + X_9_131 + X_9_132 + X_9_133 + X_9_134 +
X_9_135 +
  X_9_136 + X_9_137 + X_9_138 + X_9_139 + X_9_140 + X_9_141 + X_9_142 +
X_9_143 +

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X_9_144 >= 1;
[_18206] X_9_121 + X_9_122 + X_9_123 + X_9_124 + X_9_125 + X_9_126 +
X_9_127 +
X_9_128 + X_9_129 + X_9_130 + X_9_131 + X_9_132 + X_9_133 + X_9_134 +
X_9_135 +
X_9_136 + X_9_137 + X_9_138 + X_9_139 + X_9_140 + X_9_141 + X_9_142 +
X_9_143 +
X_9_144 + X_9_145 + X_9_146 + X_9_147 + X_9_148 + X_9_149 + X_9_150 +
X_9_151 +
X_9_152 >= 1;
[_18207] X_9_129 + X_9_130 + X_9_131 + X_9_132 + X_9_133 + X_9_134 +
X_9_135 +
X_9_136 + X_9_137 + X_9_138 + X_9_139 + X_9_140 + X_9_141 + X_9_142 +
X_9_143 +
X_9_144 + X_9_145 + X_9_146 + X_9_147 + X_9_148 + X_9_149 + X_9_150 +
X_9_151 +
X_9_152 + X_9_153 + X_9_154 + X_9_155 + X_9_156 + X_9_157 + X_9_158 +
X_9_159 +
X_9_160 >= 1;
[_18208] X_9_137 + X_9_138 + X_9_139 + X_9_140 + X_9_141 + X_9_142 +
X_9_143 +
X_9_144 + X_9_145 + X_9_146 + X_9_147 + X_9_148 + X_9_149 + X_9_150 +
X_9_151 +
X_9_152 + X_9_153 + X_9_154 + X_9_155 + X_9_156 + X_9_157 + X_9_158 +
X_9_159 +
X_9_160 + X_9_161 + X_9_162 + X_9_163 + X_9_164 + X_9_165 + X_9_166 +
X_9_167 +
X_9_168 >= 1;
[_18209] X_9_145 + X_9_146 + X_9_147 + X_9_148 + X_9_149 + X_9_150 +
X_9_151 +
X_9_152 + X_9_153 + X_9_154 + X_9_155 + X_9_156 + X_9_157 + X_9_158 +
X_9_159 +
X_9_160 + X_9_161 + X_9_162 + X_9_163 + X_9_164 + X_9_165 + X_9_166 +
X_9_167 +
X_9_168 + X_9_169 + X_9_170 + X_9_171 + X_9_172 + X_9_173 + X_9_174 +
X_9_175 +
X_9_176 >= 1;
[_18210] X_9_153 + X_9_154 + X_9_155 + X_9_156 + X_9_157 + X_9_158 +
X_9_159 +
X_9_160 + X_9_161 + X_9_162 + X_9_163 + X_9_164 + X_9_165 + X_9_166 +
X_9_167 +
X_9_168 + X_9_169 + X_9_170 + X_9_171 + X_9_172 + X_9_173 + X_9_174 +
X_9_175 +
X_9_176 + X_9_177 + X_9_178 + X_9_179 + X_9_180 + X_9_181 + X_9_182 +
X_9_183 +
X_9_184 >= 1;
[_18211] X_9_161 + X_9_162 + X_9_163 + X_9_164 + X_9_165 + X_9_166 +
X_9_167 +
X_9_168 + X_9_169 + X_9_170 + X_9_171 + X_9_172 + X_9_173 + X_9_174 +
X_9_175 +
X_9_176 + X_9_177 + X_9_178 + X_9_179 + X_9_180 + X_9_181 + X_9_182 +
X_9_183 +
X_9_184 + X_9_185 + X_9_186 + X_9_187 + X_9_188 + X_9_189 + X_9_190 +
X_9_191 +
X_9_192 >= 1;
[_18212] X_9_169 + X_9_170 + X_9_171 + X_9_172 + X_9_173 + X_9_174 +
X_9_175 +

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[_18231] X_10_105 + X_10_106 + X_10_107 + X_10_108 + X_10_109 +
X_10_110 + X_10_111
+ X_10_112 + X_10_113 + X_10_114 + X_10_115 + X_10_116 + X_10_117 +
X_10_118 +
X_10_119 + X_10_120 + X_10_121 + X_10_122 + X_10_123 + X_10_124 +
X_10_125 +
X_10_126 + X_10_127 + X_10_128 + X_10_129 + X_10_130 + X_10_131 +
X_10_132 +
X_10_133 + X_10_134 + X_10_135 + X_10_136 >= 1;
[_18232] X_10_113 + X_10_114 + X_10_115 + X_10_116 + X_10_117 +
X_10_118 + X_10_119
+ X_10_120 + X_10_121 + X_10_122 + X_10_123 + X_10_124 + X_10_125 +
X_10_126 +
X_10_127 + X_10_128 + X_10_129 + X_10_130 + X_10_131 + X_10_132 +
X_10_133 +
X_10_134 + X_10_135 + X_10_136 + X_10_137 + X_10_138 + X_10_139 +
X_10_140 +
X_10_141 + X_10_142 + X_10_143 + X_10_144 >= 1;
[_18233] X_10_121 + X_10_122 + X_10_123 + X_10_124 + X_10_125 +
X_10_126 + X_10_127
+ X_10_128 + X_10_129 + X_10_130 + X_10_131 + X_10_132 + X_10_133 +
X_10_134 +
X_10_135 + X_10_136 + X_10_137 + X_10_138 + X_10_139 + X_10_140 +
X_10_141 +
X_10_142 + X_10_143 + X_10_144 + X_10_145 + X_10_146 + X_10_147 +
X_10_148 +
X_10_149 + X_10_150 + X_10_151 + X_10_152 >= 1;
[_18234] X_10_129 + X_10_130 + X_10_131 + X_10_132 + X_10_133 +
X_10_134 + X_10_135
+ X_10_136 + X_10_137 + X_10_138 + X_10_139 + X_10_140 + X_10_141 +
X_10_142 +
X_10_143 + X_10_144 + X_10_145 + X_10_146 + X_10_147 + X_10_148 +
X_10_149 +
X_10_150 + X_10_151 + X_10_152 + X_10_153 + X_10_154 + X_10_155 +
X_10_156 +
X_10_157 + X_10_158 + X_10_159 + X_10_160 >= 1;
[_18235] X_10_137 + X_10_138 + X_10_139 + X_10_140 + X_10_141 +
X_10_142 + X_10_143
+ X_10_144 + X_10_145 + X_10_146 + X_10_147 + X_10_148 + X_10_149 +
X_10_150 +
X_10_151 + X_10_152 + X_10_153 + X_10_154 + X_10_155 + X_10_156 +
X_10_157 +
X_10_158 + X_10_159 + X_10_160 + X_10_161 + X_10_162 + X_10_163 +
X_10_164 +
X_10_165 + X_10_166 + X_10_167 + X_10_168 >= 1;
[_18236] X_10_145 + X_10_146 + X_10_147 + X_10_148 + X_10_149 +
X_10_150 + X_10_151
+ X_10_152 + X_10_153 + X_10_154 + X_10_155 + X_10_156 + X_10_157 +
X_10_158 +
X_10_159 + X_10_160 + X_10_161 + X_10_162 + X_10_163 + X_10_164 +
X_10_165 +
X_10_166 + X_10_167 + X_10_168 + X_10_169 + X_10_170 + X_10_171 +
X_10_172 +
X_10_173 + X_10_174 + X_10_175 + X_10_176 >= 1;
[_18237] X_10_153 + X_10_154 + X_10_155 + X_10_156 + X_10_157 +
X_10_158 + X_10_159

```



$X_{10\_215} + X_{10\_216} + X_{10\_217} + X_{10\_218} + X_{10\_219} + X_{10\_220} + X_{10\_221} +$   
 $X_{10\_222} + X_{10\_223} + X_{10\_224} + X_{10\_225} + X_{10\_226} + X_{10\_227} + X_{10\_228} +$   
 $X_{10\_229} + X_{10\_230} + X_{10\_231} + X_{10\_232} \geq 1;$   
 [\_18244]  $X_{10\_209} + X_{10\_210} + X_{10\_211} + X_{10\_212} + X_{10\_213} +$   
 $X_{10\_214} + X_{10\_215}$   
 $+ X_{10\_216} + X_{10\_217} + X_{10\_218} + X_{10\_219} + X_{10\_220} + X_{10\_221} +$   
 $X_{10\_222} +$   
 $X_{10\_223} + X_{10\_224} + X_{10\_225} + X_{10\_226} + X_{10\_227} + X_{10\_228} +$   
 $X_{10\_229} +$   
 $X_{10\_230} + X_{10\_231} + X_{10\_232} + X_{10\_233} + X_{10\_234} + X_{10\_235} +$   
 $X_{10\_236} +$   
 $X_{10\_237} + X_{10\_238} + X_{10\_239} + X_{10\_240} \geq 1;$   
 [\_18245]  $X_{11\_1} + X_{11\_2} + X_{11\_3} + X_{11\_4} + X_{11\_5} + X_{11\_6} + X_{11\_7}$   
 $+ X_{11\_8} +$   
 $X_{11\_9} + X_{11\_10} + X_{11\_11} + X_{11\_12} + X_{11\_13} + X_{11\_14} + X_{11\_15} +$   
 $X_{11\_16} +$   
 $X_{11\_17} + X_{11\_18} + X_{11\_19} + X_{11\_20} + X_{11\_21} + X_{11\_22} + X_{11\_23} +$   
 $X_{11\_24} +$   
 $X_{11\_25} + X_{11\_26} + X_{11\_27} + X_{11\_28} + X_{11\_29} + X_{11\_30} + X_{11\_31} +$   
 $X_{11\_32} \geq 1$   
 ;  
 [\_18246]  $X_{11\_9} + X_{11\_10} + X_{11\_11} + X_{11\_12} + X_{11\_13} + X_{11\_14} +$   
 $X_{11\_15} +$   
 $X_{11\_16} + X_{11\_17} + X_{11\_18} + X_{11\_19} + X_{11\_20} + X_{11\_21} + X_{11\_22} +$   
 $X_{11\_23} +$   
 $X_{11\_24} + X_{11\_25} + X_{11\_26} + X_{11\_27} + X_{11\_28} + X_{11\_29} + X_{11\_30} +$   
 $X_{11\_31} +$   
 $X_{11\_32} + X_{11\_33} + X_{11\_34} + X_{11\_35} + X_{11\_36} + X_{11\_37} + X_{11\_38} +$   
 $X_{11\_39} +$   
 $X_{11\_40} \geq 1;$   
 [\_18247]  $X_{11\_17} + X_{11\_18} + X_{11\_19} + X_{11\_20} + X_{11\_21} + X_{11\_22} +$   
 $X_{11\_23} +$   
 $X_{11\_24} + X_{11\_25} + X_{11\_26} + X_{11\_27} + X_{11\_28} + X_{11\_29} + X_{11\_30} +$   
 $X_{11\_31} +$   
 $X_{11\_32} + X_{11\_33} + X_{11\_34} + X_{11\_35} + X_{11\_36} + X_{11\_37} + X_{11\_38} +$   
 $X_{11\_39} +$   
 $X_{11\_40} + X_{11\_41} + X_{11\_42} + X_{11\_43} + X_{11\_44} + X_{11\_45} + X_{11\_46} +$   
 $X_{11\_47} +$   
 $X_{11\_48} \geq 1;$   
 [\_18248]  $X_{11\_25} + X_{11\_26} + X_{11\_27} + X_{11\_28} + X_{11\_29} + X_{11\_30} +$   
 $X_{11\_31} +$   
 $X_{11\_32} + X_{11\_33} + X_{11\_34} + X_{11\_35} + X_{11\_36} + X_{11\_37} + X_{11\_38} +$   
 $X_{11\_39} +$   
 $X_{11\_40} + X_{11\_41} + X_{11\_42} + X_{11\_43} + X_{11\_44} + X_{11\_45} + X_{11\_46} +$   
 $X_{11\_47} +$   
 $X_{11\_48} + X_{11\_49} + X_{11\_50} + X_{11\_51} + X_{11\_52} + X_{11\_53} + X_{11\_54} +$   
 $X_{11\_55} +$   
 $X_{11\_56} \geq 1;$   
 [\_18249]  $X_{11\_33} + X_{11\_34} + X_{11\_35} + X_{11\_36} + X_{11\_37} + X_{11\_38} +$   
 $X_{11\_39} +$   
 $X_{11\_40} + X_{11\_41} + X_{11\_42} + X_{11\_43} + X_{11\_44} + X_{11\_45} + X_{11\_46} +$   
 $X_{11\_47} +$   
 $X_{11\_48} + X_{11\_49} + X_{11\_50} + X_{11\_51} + X_{11\_52} + X_{11\_53} + X_{11\_54} +$   
 $X_{11\_55} +$



[\_18256] X\_11\_89 + X\_11\_90 + X\_11\_91 + X\_11\_92 + X\_11\_93 + X\_11\_94 +  
 X\_11\_95 +  
 X\_11\_96 + X\_11\_97 + X\_11\_98 + X\_11\_99 + X\_11\_100 + X\_11\_101 +  
 X\_11\_102 + X\_11\_103  
 + X\_11\_104 + X\_11\_105 + X\_11\_106 + X\_11\_107 + X\_11\_108 + X\_11\_109 +  
 X\_11\_110 +  
 X\_11\_111 + X\_11\_112 + X\_11\_113 + X\_11\_114 + X\_11\_115 + X\_11\_116 +  
 X\_11\_117 +  
 X\_11\_118 + X\_11\_119 + X\_11\_120 >= 1;  
 [\_18257] X\_11\_97 + X\_11\_98 + X\_11\_99 + X\_11\_100 + X\_11\_101 + X\_11\_102  
 + X\_11\_103 +  
 X\_11\_104 + X\_11\_105 + X\_11\_106 + X\_11\_107 + X\_11\_108 + X\_11\_109 +  
 X\_11\_110 +  
 X\_11\_111 + X\_11\_112 + X\_11\_113 + X\_11\_114 + X\_11\_115 + X\_11\_116 +  
 X\_11\_117 +  
 X\_11\_118 + X\_11\_119 + X\_11\_120 + X\_11\_121 + X\_11\_122 + X\_11\_123 +  
 X\_11\_124 +  
 X\_11\_125 + X\_11\_126 + X\_11\_127 + X\_11\_128 >= 1;  
 [\_18258] X\_11\_105 + X\_11\_106 + X\_11\_107 + X\_11\_108 + X\_11\_109 +  
 X\_11\_110 + X\_11\_111  
 + X\_11\_112 + X\_11\_113 + X\_11\_114 + X\_11\_115 + X\_11\_116 + X\_11\_117 +  
 X\_11\_118 +  
 X\_11\_119 + X\_11\_120 + X\_11\_121 + X\_11\_122 + X\_11\_123 + X\_11\_124 +  
 X\_11\_125 +  
 X\_11\_126 + X\_11\_127 + X\_11\_128 + X\_11\_129 + X\_11\_130 + X\_11\_131 +  
 X\_11\_132 +  
 X\_11\_133 + X\_11\_134 + X\_11\_135 + X\_11\_136 >= 1;  
 [\_18259] X\_11\_113 + X\_11\_114 + X\_11\_115 + X\_11\_116 + X\_11\_117 +  
 X\_11\_118 + X\_11\_119  
 + X\_11\_120 + X\_11\_121 + X\_11\_122 + X\_11\_123 + X\_11\_124 + X\_11\_125 +  
 X\_11\_126 +  
 X\_11\_127 + X\_11\_128 + X\_11\_129 + X\_11\_130 + X\_11\_131 + X\_11\_132 +  
 X\_11\_133 +  
 X\_11\_134 + X\_11\_135 + X\_11\_136 + X\_11\_137 + X\_11\_138 + X\_11\_139 +  
 X\_11\_140 +  
 X\_11\_141 + X\_11\_142 + X\_11\_143 + X\_11\_144 >= 1;  
 [\_18260] X\_11\_121 + X\_11\_122 + X\_11\_123 + X\_11\_124 + X\_11\_125 +  
 X\_11\_126 + X\_11\_127  
 + X\_11\_128 + X\_11\_129 + X\_11\_130 + X\_11\_131 + X\_11\_132 + X\_11\_133 +  
 X\_11\_134 +  
 X\_11\_135 + X\_11\_136 + X\_11\_137 + X\_11\_138 + X\_11\_139 + X\_11\_140 +  
 X\_11\_141 +  
 X\_11\_142 + X\_11\_143 + X\_11\_144 + X\_11\_145 + X\_11\_146 + X\_11\_147 +  
 X\_11\_148 +  
 X\_11\_149 + X\_11\_150 + X\_11\_151 + X\_11\_152 >= 1;  
 [\_18261] X\_11\_129 + X\_11\_130 + X\_11\_131 + X\_11\_132 + X\_11\_133 +  
 X\_11\_134 + X\_11\_135  
 + X\_11\_136 + X\_11\_137 + X\_11\_138 + X\_11\_139 + X\_11\_140 + X\_11\_141 +  
 X\_11\_142 +  
 X\_11\_143 + X\_11\_144 + X\_11\_145 + X\_11\_146 + X\_11\_147 + X\_11\_148 +  
 X\_11\_149 +  
 X\_11\_150 + X\_11\_151 + X\_11\_152 + X\_11\_153 + X\_11\_154 + X\_11\_155 +  
 X\_11\_156 +  
 X\_11\_157 + X\_11\_158 + X\_11\_159 + X\_11\_160 >= 1;  
 [\_18262] X\_11\_137 + X\_11\_138 + X\_11\_139 + X\_11\_140 + X\_11\_141 +  
 X\_11\_142 + X\_11\_143



$X_{11\_199} + X_{11\_200} + X_{11\_201} + X_{11\_202} + X_{11\_203} + X_{11\_204} + X_{11\_205} +$   
 $X_{11\_206} + X_{11\_207} + X_{11\_208} + X_{11\_209} + X_{11\_210} + X_{11\_211} + X_{11\_212} +$   
 $X_{11\_213} + X_{11\_214} + X_{11\_215} + X_{11\_216} \geq 1;$   
 [\_18269]  $X_{11\_193} + X_{11\_194} + X_{11\_195} + X_{11\_196} + X_{11\_197} + X_{11\_198} + X_{11\_199}$   
 $+ X_{11\_200} + X_{11\_201} + X_{11\_202} + X_{11\_203} + X_{11\_204} + X_{11\_205} + X_{11\_206} +$   
 $X_{11\_207} + X_{11\_208} + X_{11\_209} + X_{11\_210} + X_{11\_211} + X_{11\_212} + X_{11\_213} +$   
 $X_{11\_214} + X_{11\_215} + X_{11\_216} + X_{11\_217} + X_{11\_218} + X_{11\_219} + X_{11\_220} +$   
 $X_{11\_221} + X_{11\_222} + X_{11\_223} + X_{11\_224} \geq 1;$   
 [\_18270]  $X_{11\_201} + X_{11\_202} + X_{11\_203} + X_{11\_204} + X_{11\_205} + X_{11\_206} + X_{11\_207}$   
 $+ X_{11\_208} + X_{11\_209} + X_{11\_210} + X_{11\_211} + X_{11\_212} + X_{11\_213} + X_{11\_214} +$   
 $X_{11\_215} + X_{11\_216} + X_{11\_217} + X_{11\_218} + X_{11\_219} + X_{11\_220} + X_{11\_221} +$   
 $X_{11\_222} + X_{11\_223} + X_{11\_224} + X_{11\_225} + X_{11\_226} + X_{11\_227} + X_{11\_228} +$   
 $X_{11\_229} + X_{11\_230} + X_{11\_231} + X_{11\_232} \geq 1;$   
 [\_18271]  $X_{11\_209} + X_{11\_210} + X_{11\_211} + X_{11\_212} + X_{11\_213} + X_{11\_214} + X_{11\_215}$   
 $+ X_{11\_216} + X_{11\_217} + X_{11\_218} + X_{11\_219} + X_{11\_220} + X_{11\_221} + X_{11\_222} +$   
 $X_{11\_223} + X_{11\_224} + X_{11\_225} + X_{11\_226} + X_{11\_227} + X_{11\_228} + X_{11\_229} +$   
 $X_{11\_230} + X_{11\_231} + X_{11\_232} + X_{11\_233} + X_{11\_234} + X_{11\_235} + X_{11\_236} +$   
 $X_{11\_237} + X_{11\_238} + X_{11\_239} + X_{11\_240} \geq 1;$   
 [\_18272]  $X_{12\_1} + X_{12\_2} + X_{12\_3} + X_{12\_4} + X_{12\_5} + X_{12\_6} + X_{12\_7} + X_{12\_8} +$   
 $X_{12\_9} + X_{12\_10} + X_{12\_11} + X_{12\_12} + X_{12\_13} + X_{12\_14} + X_{12\_15} + X_{12\_16} +$   
 $X_{12\_17} + X_{12\_18} + X_{12\_19} + X_{12\_20} + X_{12\_21} + X_{12\_22} + X_{12\_23} + X_{12\_24} +$   
 $X_{12\_25} + X_{12\_26} + X_{12\_27} + X_{12\_28} + X_{12\_29} + X_{12\_30} + X_{12\_31} + X_{12\_32} \geq 1$   
 ;  
 [\_18273]  $X_{12\_9} + X_{12\_10} + X_{12\_11} + X_{12\_12} + X_{12\_13} + X_{12\_14} + X_{12\_15} +$   
 $X_{12\_16} + X_{12\_17} + X_{12\_18} + X_{12\_19} + X_{12\_20} + X_{12\_21} + X_{12\_22} + X_{12\_23} +$   
 $X_{12\_24} + X_{12\_25} + X_{12\_26} + X_{12\_27} + X_{12\_28} + X_{12\_29} + X_{12\_30} + X_{12\_31} +$   
 $X_{12\_32} + X_{12\_33} + X_{12\_34} + X_{12\_35} + X_{12\_36} + X_{12\_37} + X_{12\_38} + X_{12\_39} +$   
 $X_{12\_40} \geq 1;$   
 [\_18274]  $X_{12\_17} + X_{12\_18} + X_{12\_19} + X_{12\_20} + X_{12\_21} + X_{12\_22} + X_{12\_23} +$   
 $X_{12\_24} + X_{12\_25} + X_{12\_26} + X_{12\_27} + X_{12\_28} + X_{12\_29} + X_{12\_30} + X_{12\_31} +$   
 $X_{12\_32} + X_{12\_33} + X_{12\_34} + X_{12\_35} + X_{12\_36} + X_{12\_37} + X_{12\_38} + X_{12\_39} +$





[\_18281] X\_12\_73 + X\_12\_74 + X\_12\_75 + X\_12\_76 + X\_12\_77 + X\_12\_78 +  
 X\_12\_79 +  
 X\_12\_80 + X\_12\_81 + X\_12\_82 + X\_12\_83 + X\_12\_84 + X\_12\_85 + X\_12\_86 +  
 X\_12\_87 +  
 X\_12\_88 + X\_12\_89 + X\_12\_90 + X\_12\_91 + X\_12\_92 + X\_12\_93 + X\_12\_94 +  
 X\_12\_95 +  
 X\_12\_96 + X\_12\_97 + X\_12\_98 + X\_12\_99 + X\_12\_100 + X\_12\_101 +  
 X\_12\_102 + X\_12\_103  
 + X\_12\_104 >= 1;  
 [\_18282] X\_12\_81 + X\_12\_82 + X\_12\_83 + X\_12\_84 + X\_12\_85 + X\_12\_86 +  
 X\_12\_87 +  
 X\_12\_88 + X\_12\_89 + X\_12\_90 + X\_12\_91 + X\_12\_92 + X\_12\_93 + X\_12\_94 +  
 X\_12\_95 +  
 X\_12\_96 + X\_12\_97 + X\_12\_98 + X\_12\_99 + X\_12\_100 + X\_12\_101 +  
 X\_12\_102 + X\_12\_103  
 + X\_12\_104 + X\_12\_105 + X\_12\_106 + X\_12\_107 + X\_12\_108 + X\_12\_109 +  
 X\_12\_110 +  
 X\_12\_111 + X\_12\_112 >= 1;  
 [\_18283] X\_12\_89 + X\_12\_90 + X\_12\_91 + X\_12\_92 + X\_12\_93 + X\_12\_94 +  
 X\_12\_95 +  
 X\_12\_96 + X\_12\_97 + X\_12\_98 + X\_12\_99 + X\_12\_100 + X\_12\_101 +  
 X\_12\_102 + X\_12\_103  
 + X\_12\_104 + X\_12\_105 + X\_12\_106 + X\_12\_107 + X\_12\_108 + X\_12\_109 +  
 X\_12\_110 +  
 X\_12\_111 + X\_12\_112 + X\_12\_113 + X\_12\_114 + X\_12\_115 + X\_12\_116 +  
 X\_12\_117 +  
 X\_12\_118 + X\_12\_119 + X\_12\_120 >= 1;  
 [\_18284] X\_12\_97 + X\_12\_98 + X\_12\_99 + X\_12\_100 + X\_12\_101 + X\_12\_102  
 + X\_12\_103 +  
 X\_12\_104 + X\_12\_105 + X\_12\_106 + X\_12\_107 + X\_12\_108 + X\_12\_109 +  
 X\_12\_110 +  
 X\_12\_111 + X\_12\_112 + X\_12\_113 + X\_12\_114 + X\_12\_115 + X\_12\_116 +  
 X\_12\_117 +  
 X\_12\_118 + X\_12\_119 + X\_12\_120 + X\_12\_121 + X\_12\_122 + X\_12\_123 +  
 X\_12\_124 +  
 X\_12\_125 + X\_12\_126 + X\_12\_127 + X\_12\_128 >= 1;  
 [\_18285] X\_12\_105 + X\_12\_106 + X\_12\_107 + X\_12\_108 + X\_12\_109 +  
 X\_12\_110 + X\_12\_111  
 + X\_12\_112 + X\_12\_113 + X\_12\_114 + X\_12\_115 + X\_12\_116 + X\_12\_117 +  
 X\_12\_118 +  
 X\_12\_119 + X\_12\_120 + X\_12\_121 + X\_12\_122 + X\_12\_123 + X\_12\_124 +  
 X\_12\_125 +  
 X\_12\_126 + X\_12\_127 + X\_12\_128 + X\_12\_129 + X\_12\_130 + X\_12\_131 +  
 X\_12\_132 +  
 X\_12\_133 + X\_12\_134 + X\_12\_135 + X\_12\_136 >= 1;  
 [\_18286] X\_12\_113 + X\_12\_114 + X\_12\_115 + X\_12\_116 + X\_12\_117 +  
 X\_12\_118 + X\_12\_119  
 + X\_12\_120 + X\_12\_121 + X\_12\_122 + X\_12\_123 + X\_12\_124 + X\_12\_125 +  
 X\_12\_126 +  
 X\_12\_127 + X\_12\_128 + X\_12\_129 + X\_12\_130 + X\_12\_131 + X\_12\_132 +  
 X\_12\_133 +  
 X\_12\_134 + X\_12\_135 + X\_12\_136 + X\_12\_137 + X\_12\_138 + X\_12\_139 +  
 X\_12\_140 +  
 X\_12\_141 + X\_12\_142 + X\_12\_143 + X\_12\_144 >= 1;  
 [\_18287] X\_12\_121 + X\_12\_122 + X\_12\_123 + X\_12\_124 + X\_12\_125 +  
 X\_12\_126 + X\_12\_127





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X_13_25 + X_13_26 + X_13_27 + X_13_28 + X_13_29 + X_13_30 + X_13_31 +
X_13_32 >= 1
;
[_18300] X_13_9 + X_13_10 + X_13_11 + X_13_12 + X_13_13 + X_13_14 +
X_13_15 +
X_13_16 + X_13_17 + X_13_18 + X_13_19 + X_13_20 + X_13_21 + X_13_22 +
X_13_23 +
X_13_24 + X_13_25 + X_13_26 + X_13_27 + X_13_28 + X_13_29 + X_13_30 +
X_13_31 +
X_13_32 + X_13_33 + X_13_34 + X_13_35 + X_13_36 + X_13_37 + X_13_38 +
X_13_39 +
X_13_40 >= 1;
[_18301] X_13_17 + X_13_18 + X_13_19 + X_13_20 + X_13_21 + X_13_22 +
X_13_23 +
X_13_24 + X_13_25 + X_13_26 + X_13_27 + X_13_28 + X_13_29 + X_13_30 +
X_13_31 +
X_13_32 + X_13_33 + X_13_34 + X_13_35 + X_13_36 + X_13_37 + X_13_38 +
X_13_39 +
X_13_40 + X_13_41 + X_13_42 + X_13_43 + X_13_44 + X_13_45 + X_13_46 +
X_13_47 +
X_13_48 >= 1;
[_18302] X_13_25 + X_13_26 + X_13_27 + X_13_28 + X_13_29 + X_13_30 +
X_13_31 +
X_13_32 + X_13_33 + X_13_34 + X_13_35 + X_13_36 + X_13_37 + X_13_38 +
X_13_39 +
X_13_40 + X_13_41 + X_13_42 + X_13_43 + X_13_44 + X_13_45 + X_13_46 +
X_13_47 +
X_13_48 + X_13_49 + X_13_50 + X_13_51 + X_13_52 + X_13_53 + X_13_54 +
X_13_55 +
X_13_56 >= 1;
[_18303] X_13_33 + X_13_34 + X_13_35 + X_13_36 + X_13_37 + X_13_38 +
X_13_39 +
X_13_40 + X_13_41 + X_13_42 + X_13_43 + X_13_44 + X_13_45 + X_13_46 +
X_13_47 +
X_13_48 + X_13_49 + X_13_50 + X_13_51 + X_13_52 + X_13_53 + X_13_54 +
X_13_55 +
X_13_56 + X_13_57 + X_13_58 + X_13_59 + X_13_60 + X_13_61 + X_13_62 +
X_13_63 +
X_13_64 >= 1;
[_18304] X_13_41 + X_13_42 + X_13_43 + X_13_44 + X_13_45 + X_13_46 +
X_13_47 +
X_13_48 + X_13_49 + X_13_50 + X_13_51 + X_13_52 + X_13_53 + X_13_54 +
X_13_55 +
X_13_56 + X_13_57 + X_13_58 + X_13_59 + X_13_60 + X_13_61 + X_13_62 +
X_13_63 +
X_13_64 + X_13_65 + X_13_66 + X_13_67 + X_13_68 + X_13_69 + X_13_70 +
X_13_71 +
X_13_72 >= 1;
[_18305] X_13_49 + X_13_50 + X_13_51 + X_13_52 + X_13_53 + X_13_54 +
X_13_55 +
X_13_56 + X_13_57 + X_13_58 + X_13_59 + X_13_60 + X_13_61 + X_13_62 +
X_13_63 +
X_13_64 + X_13_65 + X_13_66 + X_13_67 + X_13_68 + X_13_69 + X_13_70 +
X_13_71 +
X_13_72 + X_13_73 + X_13_74 + X_13_75 + X_13_76 + X_13_77 + X_13_78 +
X_13_79 +
X_13_80 >= 1;

```

[\_18306] X\_13\_57 + X\_13\_58 + X\_13\_59 + X\_13\_60 + X\_13\_61 + X\_13\_62 +  
 X\_13\_63 +  
 X\_13\_64 + X\_13\_65 + X\_13\_66 + X\_13\_67 + X\_13\_68 + X\_13\_69 + X\_13\_70 +  
 X\_13\_71 +  
 X\_13\_72 + X\_13\_73 + X\_13\_74 + X\_13\_75 + X\_13\_76 + X\_13\_77 + X\_13\_78 +  
 X\_13\_79 +  
 X\_13\_80 + X\_13\_81 + X\_13\_82 + X\_13\_83 + X\_13\_84 + X\_13\_85 + X\_13\_86 +  
 X\_13\_87 +  
 X\_13\_88 >= 1;  
 [\_18307] X\_13\_65 + X\_13\_66 + X\_13\_67 + X\_13\_68 + X\_13\_69 + X\_13\_70 +  
 X\_13\_71 +  
 X\_13\_72 + X\_13\_73 + X\_13\_74 + X\_13\_75 + X\_13\_76 + X\_13\_77 + X\_13\_78 +  
 X\_13\_79 +  
 X\_13\_80 + X\_13\_81 + X\_13\_82 + X\_13\_83 + X\_13\_84 + X\_13\_85 + X\_13\_86 +  
 X\_13\_87 +  
 X\_13\_88 + X\_13\_89 + X\_13\_90 + X\_13\_91 + X\_13\_92 + X\_13\_93 + X\_13\_94 +  
 X\_13\_95 +  
 X\_13\_96 >= 1;  
 [\_18308] X\_13\_73 + X\_13\_74 + X\_13\_75 + X\_13\_76 + X\_13\_77 + X\_13\_78 +  
 X\_13\_79 +  
 X\_13\_80 + X\_13\_81 + X\_13\_82 + X\_13\_83 + X\_13\_84 + X\_13\_85 + X\_13\_86 +  
 X\_13\_87 +  
 X\_13\_88 + X\_13\_89 + X\_13\_90 + X\_13\_91 + X\_13\_92 + X\_13\_93 + X\_13\_94 +  
 X\_13\_95 +  
 X\_13\_96 + X\_13\_97 + X\_13\_98 + X\_13\_99 + X\_13\_100 + X\_13\_101 +  
 X\_13\_102 + X\_13\_103  
 + X\_13\_104 >= 1;  
 [\_18309] X\_13\_81 + X\_13\_82 + X\_13\_83 + X\_13\_84 + X\_13\_85 + X\_13\_86 +  
 X\_13\_87 +  
 X\_13\_88 + X\_13\_89 + X\_13\_90 + X\_13\_91 + X\_13\_92 + X\_13\_93 + X\_13\_94 +  
 X\_13\_95 +  
 X\_13\_96 + X\_13\_97 + X\_13\_98 + X\_13\_99 + X\_13\_100 + X\_13\_101 +  
 X\_13\_102 + X\_13\_103  
 + X\_13\_104 + X\_13\_105 + X\_13\_106 + X\_13\_107 + X\_13\_108 + X\_13\_109 +  
 X\_13\_110 +  
 X\_13\_111 + X\_13\_112 >= 1;  
 [\_18310] X\_13\_89 + X\_13\_90 + X\_13\_91 + X\_13\_92 + X\_13\_93 + X\_13\_94 +  
 X\_13\_95 +  
 X\_13\_96 + X\_13\_97 + X\_13\_98 + X\_13\_99 + X\_13\_100 + X\_13\_101 +  
 X\_13\_102 + X\_13\_103  
 + X\_13\_104 + X\_13\_105 + X\_13\_106 + X\_13\_107 + X\_13\_108 + X\_13\_109 +  
 X\_13\_110 +  
 X\_13\_111 + X\_13\_112 + X\_13\_113 + X\_13\_114 + X\_13\_115 + X\_13\_116 +  
 X\_13\_117 +  
 X\_13\_118 + X\_13\_119 + X\_13\_120 >= 1;  
 [\_18311] X\_13\_97 + X\_13\_98 + X\_13\_99 + X\_13\_100 + X\_13\_101 + X\_13\_102  
 + X\_13\_103 +  
 X\_13\_104 + X\_13\_105 + X\_13\_106 + X\_13\_107 + X\_13\_108 + X\_13\_109 +  
 X\_13\_110 +  
 X\_13\_111 + X\_13\_112 + X\_13\_113 + X\_13\_114 + X\_13\_115 + X\_13\_116 +  
 X\_13\_117 +  
 X\_13\_118 + X\_13\_119 + X\_13\_120 + X\_13\_121 + X\_13\_122 + X\_13\_123 +  
 X\_13\_124 +  
 X\_13\_125 + X\_13\_126 + X\_13\_127 + X\_13\_128 >= 1;  
 [\_18312] X\_13\_105 + X\_13\_106 + X\_13\_107 + X\_13\_108 + X\_13\_109 +  
 X\_13\_110 + X\_13\_111





$X_{13\_222} + X_{13\_223} + X_{13\_224} + X_{13\_225} + X_{13\_226} + X_{13\_227} + X_{13\_228} +$   
 $X_{13\_229} + X_{13\_230} + X_{13\_231} + X_{13\_232} \geq 1;$   
 [\_18325]  $X_{13\_209} + X_{13\_210} + X_{13\_211} + X_{13\_212} + X_{13\_213} + X_{13\_214} + X_{13\_215}$   
 $+ X_{13\_216} + X_{13\_217} + X_{13\_218} + X_{13\_219} + X_{13\_220} + X_{13\_221} + X_{13\_222} +$   
 $X_{13\_223} + X_{13\_224} + X_{13\_225} + X_{13\_226} + X_{13\_227} + X_{13\_228} + X_{13\_229} +$   
 $X_{13\_230} + X_{13\_231} + X_{13\_232} + X_{13\_233} + X_{13\_234} + X_{13\_235} + X_{13\_236} +$   
 $X_{13\_237} + X_{13\_238} + X_{13\_239} + X_{13\_240} \geq 1;$   
 [\_18326]  $X_{14\_1} + X_{14\_2} + X_{14\_3} + X_{14\_4} + X_{14\_5} + X_{14\_6} + X_{14\_7} + X_{14\_8} +$   
 $X_{14\_9} + X_{14\_10} + X_{14\_11} + X_{14\_12} + X_{14\_13} + X_{14\_14} + X_{14\_15} + X_{14\_16} +$   
 $X_{14\_17} + X_{14\_18} + X_{14\_19} + X_{14\_20} + X_{14\_21} + X_{14\_22} + X_{14\_23} + X_{14\_24} +$   
 $X_{14\_25} + X_{14\_26} + X_{14\_27} + X_{14\_28} + X_{14\_29} + X_{14\_30} + X_{14\_31} + X_{14\_32} \geq 1$   
 ;  
 [\_18327]  $X_{14\_9} + X_{14\_10} + X_{14\_11} + X_{14\_12} + X_{14\_13} + X_{14\_14} + X_{14\_15} +$   
 $X_{14\_16} + X_{14\_17} + X_{14\_18} + X_{14\_19} + X_{14\_20} + X_{14\_21} + X_{14\_22} + X_{14\_23} +$   
 $X_{14\_24} + X_{14\_25} + X_{14\_26} + X_{14\_27} + X_{14\_28} + X_{14\_29} + X_{14\_30} + X_{14\_31} +$   
 $X_{14\_32} + X_{14\_33} + X_{14\_34} + X_{14\_35} + X_{14\_36} + X_{14\_37} + X_{14\_38} + X_{14\_39} +$   
 $X_{14\_40} \geq 1;$   
 [\_18328]  $X_{14\_17} + X_{14\_18} + X_{14\_19} + X_{14\_20} + X_{14\_21} + X_{14\_22} + X_{14\_23} +$   
 $X_{14\_24} + X_{14\_25} + X_{14\_26} + X_{14\_27} + X_{14\_28} + X_{14\_29} + X_{14\_30} + X_{14\_31} +$   
 $X_{14\_32} + X_{14\_33} + X_{14\_34} + X_{14\_35} + X_{14\_36} + X_{14\_37} + X_{14\_38} + X_{14\_39} +$   
 $X_{14\_40} + X_{14\_41} + X_{14\_42} + X_{14\_43} + X_{14\_44} + X_{14\_45} + X_{14\_46} + X_{14\_47} +$   
 $X_{14\_48} \geq 1;$   
 [\_18329]  $X_{14\_25} + X_{14\_26} + X_{14\_27} + X_{14\_28} + X_{14\_29} + X_{14\_30} + X_{14\_31} +$   
 $X_{14\_32} + X_{14\_33} + X_{14\_34} + X_{14\_35} + X_{14\_36} + X_{14\_37} + X_{14\_38} + X_{14\_39} +$   
 $X_{14\_40} + X_{14\_41} + X_{14\_42} + X_{14\_43} + X_{14\_44} + X_{14\_45} + X_{14\_46} + X_{14\_47} +$   
 $X_{14\_48} + X_{14\_49} + X_{14\_50} + X_{14\_51} + X_{14\_52} + X_{14\_53} + X_{14\_54} + X_{14\_55} +$   
 $X_{14\_56} \geq 1;$   
 [\_18330]  $X_{14\_33} + X_{14\_34} + X_{14\_35} + X_{14\_36} + X_{14\_37} + X_{14\_38} + X_{14\_39} +$   
 $X_{14\_40} + X_{14\_41} + X_{14\_42} + X_{14\_43} + X_{14\_44} + X_{14\_45} + X_{14\_46} + X_{14\_47} +$   
 $X_{14\_48} + X_{14\_49} + X_{14\_50} + X_{14\_51} + X_{14\_52} + X_{14\_53} + X_{14\_54} + X_{14\_55} +$   
 $X_{14\_56} + X_{14\_57} + X_{14\_58} + X_{14\_59} + X_{14\_60} + X_{14\_61} + X_{14\_62} + X_{14\_63} +$   
 $X_{14\_64} \geq 1;$



[\_18331] X\_14\_41 + X\_14\_42 + X\_14\_43 + X\_14\_44 + X\_14\_45 + X\_14\_46 +  
 X\_14\_47 +  
 X\_14\_48 + X\_14\_49 + X\_14\_50 + X\_14\_51 + X\_14\_52 + X\_14\_53 + X\_14\_54 +  
 X\_14\_55 +  
 X\_14\_56 + X\_14\_57 + X\_14\_58 + X\_14\_59 + X\_14\_60 + X\_14\_61 + X\_14\_62 +  
 X\_14\_63 +  
 X\_14\_64 + X\_14\_65 + X\_14\_66 + X\_14\_67 + X\_14\_68 + X\_14\_69 + X\_14\_70 +  
 X\_14\_71 +  
 X\_14\_72 >= 1;  
 [\_18332] X\_14\_49 + X\_14\_50 + X\_14\_51 + X\_14\_52 + X\_14\_53 + X\_14\_54 +  
 X\_14\_55 +  
 X\_14\_56 + X\_14\_57 + X\_14\_58 + X\_14\_59 + X\_14\_60 + X\_14\_61 + X\_14\_62 +  
 X\_14\_63 +  
 X\_14\_64 + X\_14\_65 + X\_14\_66 + X\_14\_67 + X\_14\_68 + X\_14\_69 + X\_14\_70 +  
 X\_14\_71 +  
 X\_14\_72 + X\_14\_73 + X\_14\_74 + X\_14\_75 + X\_14\_76 + X\_14\_77 + X\_14\_78 +  
 X\_14\_79 +  
 X\_14\_80 >= 1;  
 [\_18333] X\_14\_57 + X\_14\_58 + X\_14\_59 + X\_14\_60 + X\_14\_61 + X\_14\_62 +  
 X\_14\_63 +  
 X\_14\_64 + X\_14\_65 + X\_14\_66 + X\_14\_67 + X\_14\_68 + X\_14\_69 + X\_14\_70 +  
 X\_14\_71 +  
 X\_14\_72 + X\_14\_73 + X\_14\_74 + X\_14\_75 + X\_14\_76 + X\_14\_77 + X\_14\_78 +  
 X\_14\_79 +  
 X\_14\_80 + X\_14\_81 + X\_14\_82 + X\_14\_83 + X\_14\_84 + X\_14\_85 + X\_14\_86 +  
 X\_14\_87 +  
 X\_14\_88 >= 1;  
 [\_18334] X\_14\_65 + X\_14\_66 + X\_14\_67 + X\_14\_68 + X\_14\_69 + X\_14\_70 +  
 X\_14\_71 +  
 X\_14\_72 + X\_14\_73 + X\_14\_74 + X\_14\_75 + X\_14\_76 + X\_14\_77 + X\_14\_78 +  
 X\_14\_79 +  
 X\_14\_80 + X\_14\_81 + X\_14\_82 + X\_14\_83 + X\_14\_84 + X\_14\_85 + X\_14\_86 +  
 X\_14\_87 +  
 X\_14\_88 + X\_14\_89 + X\_14\_90 + X\_14\_91 + X\_14\_92 + X\_14\_93 + X\_14\_94 +  
 X\_14\_95 +  
 X\_14\_96 >= 1;  
 [\_18335] X\_14\_73 + X\_14\_74 + X\_14\_75 + X\_14\_76 + X\_14\_77 + X\_14\_78 +  
 X\_14\_79 +  
 X\_14\_80 + X\_14\_81 + X\_14\_82 + X\_14\_83 + X\_14\_84 + X\_14\_85 + X\_14\_86 +  
 X\_14\_87 +  
 X\_14\_88 + X\_14\_89 + X\_14\_90 + X\_14\_91 + X\_14\_92 + X\_14\_93 + X\_14\_94 +  
 X\_14\_95 +  
 X\_14\_96 + X\_14\_97 + X\_14\_98 + X\_14\_99 + X\_14\_100 + X\_14\_101 +  
 X\_14\_102 + X\_14\_103  
 + X\_14\_104 >= 1;  
 [\_18336] X\_14\_81 + X\_14\_82 + X\_14\_83 + X\_14\_84 + X\_14\_85 + X\_14\_86 +  
 X\_14\_87 +  
 X\_14\_88 + X\_14\_89 + X\_14\_90 + X\_14\_91 + X\_14\_92 + X\_14\_93 + X\_14\_94 +  
 X\_14\_95 +  
 X\_14\_96 + X\_14\_97 + X\_14\_98 + X\_14\_99 + X\_14\_100 + X\_14\_101 +  
 X\_14\_102 + X\_14\_103  
 + X\_14\_104 + X\_14\_105 + X\_14\_106 + X\_14\_107 + X\_14\_108 + X\_14\_109 +  
 X\_14\_110 +  
 X\_14\_111 + X\_14\_112 >= 1;  
 [\_18337] X\_14\_89 + X\_14\_90 + X\_14\_91 + X\_14\_92 + X\_14\_93 + X\_14\_94 +  
 X\_14\_95 +





$X_{14\_206} + X_{14\_207} + X_{14\_208} + X_{14\_209} + X_{14\_210} + X_{14\_211} + X_{14\_212} +$   
 $X_{14\_213} + X_{14\_214} + X_{14\_215} + X_{14\_216} \geq 1;$   
 [\_18350]  $X_{14\_193} + X_{14\_194} + X_{14\_195} + X_{14\_196} + X_{14\_197} + X_{14\_198} + X_{14\_199}$   
 $+ X_{14\_200} + X_{14\_201} + X_{14\_202} + X_{14\_203} + X_{14\_204} + X_{14\_205} + X_{14\_206} +$   
 $X_{14\_207} + X_{14\_208} + X_{14\_209} + X_{14\_210} + X_{14\_211} + X_{14\_212} + X_{14\_213} +$   
 $X_{14\_214} + X_{14\_215} + X_{14\_216} + X_{14\_217} + X_{14\_218} + X_{14\_219} + X_{14\_220} +$   
 $X_{14\_221} + X_{14\_222} + X_{14\_223} + X_{14\_224} \geq 1;$   
 [\_18351]  $X_{14\_201} + X_{14\_202} + X_{14\_203} + X_{14\_204} + X_{14\_205} + X_{14\_206} + X_{14\_207}$   
 $+ X_{14\_208} + X_{14\_209} + X_{14\_210} + X_{14\_211} + X_{14\_212} + X_{14\_213} + X_{14\_214} +$   
 $X_{14\_215} + X_{14\_216} + X_{14\_217} + X_{14\_218} + X_{14\_219} + X_{14\_220} + X_{14\_221} +$   
 $X_{14\_222} + X_{14\_223} + X_{14\_224} + X_{14\_225} + X_{14\_226} + X_{14\_227} + X_{14\_228} +$   
 $X_{14\_229} + X_{14\_230} + X_{14\_231} + X_{14\_232} \geq 1;$   
 [\_18352]  $X_{14\_209} + X_{14\_210} + X_{14\_211} + X_{14\_212} + X_{14\_213} + X_{14\_214} + X_{14\_215}$   
 $+ X_{14\_216} + X_{14\_217} + X_{14\_218} + X_{14\_219} + X_{14\_220} + X_{14\_221} + X_{14\_222} +$   
 $X_{14\_223} + X_{14\_224} + X_{14\_225} + X_{14\_226} + X_{14\_227} + X_{14\_228} + X_{14\_229} +$   
 $X_{14\_230} + X_{14\_231} + X_{14\_232} + X_{14\_233} + X_{14\_234} + X_{14\_235} + X_{14\_236} +$   
 $X_{14\_237} + X_{14\_238} + X_{14\_239} + X_{14\_240} \geq 1;$   
 [\_18353]  $X_{15\_1} + X_{15\_2} + X_{15\_3} + X_{15\_4} + X_{15\_5} + X_{15\_6} + X_{15\_7} + X_{15\_8} +$   
 $X_{15\_9} + X_{15\_10} + X_{15\_11} + X_{15\_12} + X_{15\_13} + X_{15\_14} + X_{15\_15} + X_{15\_16} +$   
 $X_{15\_17} + X_{15\_18} + X_{15\_19} + X_{15\_20} + X_{15\_21} + X_{15\_22} + X_{15\_23} + X_{15\_24} +$   
 $X_{15\_25} + X_{15\_26} + X_{15\_27} + X_{15\_28} + X_{15\_29} + X_{15\_30} + X_{15\_31} + X_{15\_32} \geq 1$   
 ;  
 [\_18354]  $X_{15\_9} + X_{15\_10} + X_{15\_11} + X_{15\_12} + X_{15\_13} + X_{15\_14} + X_{15\_15} +$   
 $X_{15\_16} + X_{15\_17} + X_{15\_18} + X_{15\_19} + X_{15\_20} + X_{15\_21} + X_{15\_22} + X_{15\_23} +$   
 $X_{15\_24} + X_{15\_25} + X_{15\_26} + X_{15\_27} + X_{15\_28} + X_{15\_29} + X_{15\_30} + X_{15\_31} +$   
 $X_{15\_32} + X_{15\_33} + X_{15\_34} + X_{15\_35} + X_{15\_36} + X_{15\_37} + X_{15\_38} + X_{15\_39} +$   
 $X_{15\_40} \geq 1;$   
 [\_18355]  $X_{15\_17} + X_{15\_18} + X_{15\_19} + X_{15\_20} + X_{15\_21} + X_{15\_22} + X_{15\_23} +$   
 $X_{15\_24} + X_{15\_25} + X_{15\_26} + X_{15\_27} + X_{15\_28} + X_{15\_29} + X_{15\_30} + X_{15\_31} +$   
 $X_{15\_32} + X_{15\_33} + X_{15\_34} + X_{15\_35} + X_{15\_36} + X_{15\_37} + X_{15\_38} + X_{15\_39} +$   
 $X_{15\_40} + X_{15\_41} + X_{15\_42} + X_{15\_43} + X_{15\_44} + X_{15\_45} + X_{15\_46} + X_{15\_47} +$   
 $X_{15\_48} \geq 1;$

[\_18356] X\_15\_25 + X\_15\_26 + X\_15\_27 + X\_15\_28 + X\_15\_29 + X\_15\_30 +  
 X\_15\_31 +  
 X\_15\_32 + X\_15\_33 + X\_15\_34 + X\_15\_35 + X\_15\_36 + X\_15\_37 + X\_15\_38 +  
 X\_15\_39 +  
 X\_15\_40 + X\_15\_41 + X\_15\_42 + X\_15\_43 + X\_15\_44 + X\_15\_45 + X\_15\_46 +  
 X\_15\_47 +  
 X\_15\_48 + X\_15\_49 + X\_15\_50 + X\_15\_51 + X\_15\_52 + X\_15\_53 + X\_15\_54 +  
 X\_15\_55 +  
 X\_15\_56 >= 1;  
 [\_18357] X\_15\_33 + X\_15\_34 + X\_15\_35 + X\_15\_36 + X\_15\_37 + X\_15\_38 +  
 X\_15\_39 +  
 X\_15\_40 + X\_15\_41 + X\_15\_42 + X\_15\_43 + X\_15\_44 + X\_15\_45 + X\_15\_46 +  
 X\_15\_47 +  
 X\_15\_48 + X\_15\_49 + X\_15\_50 + X\_15\_51 + X\_15\_52 + X\_15\_53 + X\_15\_54 +  
 X\_15\_55 +  
 X\_15\_56 + X\_15\_57 + X\_15\_58 + X\_15\_59 + X\_15\_60 + X\_15\_61 + X\_15\_62 +  
 X\_15\_63 +  
 X\_15\_64 >= 1;  
 [\_18358] X\_15\_41 + X\_15\_42 + X\_15\_43 + X\_15\_44 + X\_15\_45 + X\_15\_46 +  
 X\_15\_47 +  
 X\_15\_48 + X\_15\_49 + X\_15\_50 + X\_15\_51 + X\_15\_52 + X\_15\_53 + X\_15\_54 +  
 X\_15\_55 +  
 X\_15\_56 + X\_15\_57 + X\_15\_58 + X\_15\_59 + X\_15\_60 + X\_15\_61 + X\_15\_62 +  
 X\_15\_63 +  
 X\_15\_64 + X\_15\_65 + X\_15\_66 + X\_15\_67 + X\_15\_68 + X\_15\_69 + X\_15\_70 +  
 X\_15\_71 +  
 X\_15\_72 >= 1;  
 [\_18359] X\_15\_49 + X\_15\_50 + X\_15\_51 + X\_15\_52 + X\_15\_53 + X\_15\_54 +  
 X\_15\_55 +  
 X\_15\_56 + X\_15\_57 + X\_15\_58 + X\_15\_59 + X\_15\_60 + X\_15\_61 + X\_15\_62 +  
 X\_15\_63 +  
 X\_15\_64 + X\_15\_65 + X\_15\_66 + X\_15\_67 + X\_15\_68 + X\_15\_69 + X\_15\_70 +  
 X\_15\_71 +  
 X\_15\_72 + X\_15\_73 + X\_15\_74 + X\_15\_75 + X\_15\_76 + X\_15\_77 + X\_15\_78 +  
 X\_15\_79 +  
 X\_15\_80 >= 1;  
 [\_18360] X\_15\_57 + X\_15\_58 + X\_15\_59 + X\_15\_60 + X\_15\_61 + X\_15\_62 +  
 X\_15\_63 +  
 X\_15\_64 + X\_15\_65 + X\_15\_66 + X\_15\_67 + X\_15\_68 + X\_15\_69 + X\_15\_70 +  
 X\_15\_71 +  
 X\_15\_72 + X\_15\_73 + X\_15\_74 + X\_15\_75 + X\_15\_76 + X\_15\_77 + X\_15\_78 +  
 X\_15\_79 +  
 X\_15\_80 + X\_15\_81 + X\_15\_82 + X\_15\_83 + X\_15\_84 + X\_15\_85 + X\_15\_86 +  
 X\_15\_87 +  
 X\_15\_88 >= 1;  
 [\_18361] X\_15\_65 + X\_15\_66 + X\_15\_67 + X\_15\_68 + X\_15\_69 + X\_15\_70 +  
 X\_15\_71 +  
 X\_15\_72 + X\_15\_73 + X\_15\_74 + X\_15\_75 + X\_15\_76 + X\_15\_77 + X\_15\_78 +  
 X\_15\_79 +  
 X\_15\_80 + X\_15\_81 + X\_15\_82 + X\_15\_83 + X\_15\_84 + X\_15\_85 + X\_15\_86 +  
 X\_15\_87 +  
 X\_15\_88 + X\_15\_89 + X\_15\_90 + X\_15\_91 + X\_15\_92 + X\_15\_93 + X\_15\_94 +  
 X\_15\_95 +  
 X\_15\_96 >= 1;  
 [\_18362] X\_15\_73 + X\_15\_74 + X\_15\_75 + X\_15\_76 + X\_15\_77 + X\_15\_78 +  
 X\_15\_79 +





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X_15_190 + X_15_191 + X_15_192 + X_15_193 + X_15_194 + X_15_195 +
X_15_196 +
X_15_197 + X_15_198 + X_15_199 + X_15_200 >= 1;
[_18375] X_15_177 + X_15_178 + X_15_179 + X_15_180 + X_15_181 +
X_15_182 + X_15_183
+ X_15_184 + X_15_185 + X_15_186 + X_15_187 + X_15_188 + X_15_189 +
X_15_190 +
X_15_191 + X_15_192 + X_15_193 + X_15_194 + X_15_195 + X_15_196 +
X_15_197 +
X_15_198 + X_15_199 + X_15_200 + X_15_201 + X_15_202 + X_15_203 +
X_15_204 +
X_15_205 + X_15_206 + X_15_207 + X_15_208 >= 1;
[_18376] X_15_185 + X_15_186 + X_15_187 + X_15_188 + X_15_189 +
X_15_190 + X_15_191
+ X_15_192 + X_15_193 + X_15_194 + X_15_195 + X_15_196 + X_15_197 +
X_15_198 +
X_15_199 + X_15_200 + X_15_201 + X_15_202 + X_15_203 + X_15_204 +
X_15_205 +
X_15_206 + X_15_207 + X_15_208 + X_15_209 + X_15_210 + X_15_211 +
X_15_212 +
X_15_213 + X_15_214 + X_15_215 + X_15_216 >= 1;
[_18377] X_15_193 + X_15_194 + X_15_195 + X_15_196 + X_15_197 +
X_15_198 + X_15_199
+ X_15_200 + X_15_201 + X_15_202 + X_15_203 + X_15_204 + X_15_205 +
X_15_206 +
X_15_207 + X_15_208 + X_15_209 + X_15_210 + X_15_211 + X_15_212 +
X_15_213 +
X_15_214 + X_15_215 + X_15_216 + X_15_217 + X_15_218 + X_15_219 +
X_15_220 +
X_15_221 + X_15_222 + X_15_223 + X_15_224 >= 1;
[_18378] X_15_201 + X_15_202 + X_15_203 + X_15_204 + X_15_205 +
X_15_206 + X_15_207
+ X_15_208 + X_15_209 + X_15_210 + X_15_211 + X_15_212 + X_15_213 +
X_15_214 +
X_15_215 + X_15_216 + X_15_217 + X_15_218 + X_15_219 + X_15_220 +
X_15_221 +
X_15_222 + X_15_223 + X_15_224 + X_15_225 + X_15_226 + X_15_227 +
X_15_228 +
X_15_229 + X_15_230 + X_15_231 + X_15_232 >= 1;
[_18379] X_15_209 + X_15_210 + X_15_211 + X_15_212 + X_15_213 +
X_15_214 + X_15_215
+ X_15_216 + X_15_217 + X_15_218 + X_15_219 + X_15_220 + X_15_221 +
X_15_222 +
X_15_223 + X_15_224 + X_15_225 + X_15_226 + X_15_227 + X_15_228 +
X_15_229 +
X_15_230 + X_15_231 + X_15_232 + X_15_233 + X_15_234 + X_15_235 +
X_15_236 +
X_15_237 + X_15_238 + X_15_239 + X_15_240 >= 1;
[_18380] X_16_1 + X_16_2 + X_16_3 + X_16_4 + X_16_5 + X_16_6 + X_16_7
+ X_16_8 +
X_16_9 + X_16_10 + X_16_11 + X_16_12 + X_16_13 + X_16_14 + X_16_15 +
X_16_16 +
X_16_17 + X_16_18 + X_16_19 + X_16_20 + X_16_21 + X_16_22 + X_16_23 +
X_16_24 +
X_16_25 + X_16_26 + X_16_27 + X_16_28 + X_16_29 + X_16_30 + X_16_31 +
X_16_32 >= 1
;

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[\_18381] X\_16\_9 + X\_16\_10 + X\_16\_11 + X\_16\_12 + X\_16\_13 + X\_16\_14 +  
 X\_16\_15 +  
 X\_16\_16 + X\_16\_17 + X\_16\_18 + X\_16\_19 + X\_16\_20 + X\_16\_21 + X\_16\_22 +  
 X\_16\_23 +  
 X\_16\_24 + X\_16\_25 + X\_16\_26 + X\_16\_27 + X\_16\_28 + X\_16\_29 + X\_16\_30 +  
 X\_16\_31 +  
 X\_16\_32 + X\_16\_33 + X\_16\_34 + X\_16\_35 + X\_16\_36 + X\_16\_37 + X\_16\_38 +  
 X\_16\_39 +  
 X\_16\_40 >= 1;  
 [\_18382] X\_16\_17 + X\_16\_18 + X\_16\_19 + X\_16\_20 + X\_16\_21 + X\_16\_22 +  
 X\_16\_23 +  
 X\_16\_24 + X\_16\_25 + X\_16\_26 + X\_16\_27 + X\_16\_28 + X\_16\_29 + X\_16\_30 +  
 X\_16\_31 +  
 X\_16\_32 + X\_16\_33 + X\_16\_34 + X\_16\_35 + X\_16\_36 + X\_16\_37 + X\_16\_38 +  
 X\_16\_39 +  
 X\_16\_40 + X\_16\_41 + X\_16\_42 + X\_16\_43 + X\_16\_44 + X\_16\_45 + X\_16\_46 +  
 X\_16\_47 +  
 X\_16\_48 >= 1;  
 [\_18383] X\_16\_25 + X\_16\_26 + X\_16\_27 + X\_16\_28 + X\_16\_29 + X\_16\_30 +  
 X\_16\_31 +  
 X\_16\_32 + X\_16\_33 + X\_16\_34 + X\_16\_35 + X\_16\_36 + X\_16\_37 + X\_16\_38 +  
 X\_16\_39 +  
 X\_16\_40 + X\_16\_41 + X\_16\_42 + X\_16\_43 + X\_16\_44 + X\_16\_45 + X\_16\_46 +  
 X\_16\_47 +  
 X\_16\_48 + X\_16\_49 + X\_16\_50 + X\_16\_51 + X\_16\_52 + X\_16\_53 + X\_16\_54 +  
 X\_16\_55 +  
 X\_16\_56 >= 1;  
 [\_18384] X\_16\_33 + X\_16\_34 + X\_16\_35 + X\_16\_36 + X\_16\_37 + X\_16\_38 +  
 X\_16\_39 +  
 X\_16\_40 + X\_16\_41 + X\_16\_42 + X\_16\_43 + X\_16\_44 + X\_16\_45 + X\_16\_46 +  
 X\_16\_47 +  
 X\_16\_48 + X\_16\_49 + X\_16\_50 + X\_16\_51 + X\_16\_52 + X\_16\_53 + X\_16\_54 +  
 X\_16\_55 +  
 X\_16\_56 + X\_16\_57 + X\_16\_58 + X\_16\_59 + X\_16\_60 + X\_16\_61 + X\_16\_62 +  
 X\_16\_63 +  
 X\_16\_64 >= 1;  
 [\_18385] X\_16\_41 + X\_16\_42 + X\_16\_43 + X\_16\_44 + X\_16\_45 + X\_16\_46 +  
 X\_16\_47 +  
 X\_16\_48 + X\_16\_49 + X\_16\_50 + X\_16\_51 + X\_16\_52 + X\_16\_53 + X\_16\_54 +  
 X\_16\_55 +  
 X\_16\_56 + X\_16\_57 + X\_16\_58 + X\_16\_59 + X\_16\_60 + X\_16\_61 + X\_16\_62 +  
 X\_16\_63 +  
 X\_16\_64 + X\_16\_65 + X\_16\_66 + X\_16\_67 + X\_16\_68 + X\_16\_69 + X\_16\_70 +  
 X\_16\_71 +  
 X\_16\_72 >= 1;  
 [\_18386] X\_16\_49 + X\_16\_50 + X\_16\_51 + X\_16\_52 + X\_16\_53 + X\_16\_54 +  
 X\_16\_55 +  
 X\_16\_56 + X\_16\_57 + X\_16\_58 + X\_16\_59 + X\_16\_60 + X\_16\_61 + X\_16\_62 +  
 X\_16\_63 +  
 X\_16\_64 + X\_16\_65 + X\_16\_66 + X\_16\_67 + X\_16\_68 + X\_16\_69 + X\_16\_70 +  
 X\_16\_71 +  
 X\_16\_72 + X\_16\_73 + X\_16\_74 + X\_16\_75 + X\_16\_76 + X\_16\_77 + X\_16\_78 +  
 X\_16\_79 +  
 X\_16\_80 >= 1;  
 [\_18387] X\_16\_57 + X\_16\_58 + X\_16\_59 + X\_16\_60 + X\_16\_61 + X\_16\_62 +  
 X\_16\_63 +







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[_18406] X_16_209 + X_16_210 + X_16_211 + X_16_212 + X_16_213 +
X_16_214 + X_16_215
+ X_16_216 + X_16_217 + X_16_218 + X_16_219 + X_16_220 + X_16_221 +
X_16_222 +
X_16_223 + X_16_224 + X_16_225 + X_16_226 + X_16_227 + X_16_228 +
X_16_229 +
X_16_230 + X_16_231 + X_16_232 + X_16_233 + X_16_234 + X_16_235 +
X_16_236 +
X_16_237 + X_16_238 + X_16_239 + X_16_240 >= 1;
[_18407] X_17_1 + X_17_2 + X_17_3 + X_17_4 + X_17_5 + X_17_6 + X_17_7
+ X_17_8 +
X_17_9 + X_17_10 + X_17_11 + X_17_12 + X_17_13 + X_17_14 + X_17_15 +
X_17_16 +
X_17_17 + X_17_18 + X_17_19 + X_17_20 + X_17_21 + X_17_22 + X_17_23 +
X_17_24 +
X_17_25 + X_17_26 + X_17_27 + X_17_28 + X_17_29 + X_17_30 + X_17_31 +
X_17_32 >= 1
;
[_18408] X_17_9 + X_17_10 + X_17_11 + X_17_12 + X_17_13 + X_17_14 +
X_17_15 +
X_17_16 + X_17_17 + X_17_18 + X_17_19 + X_17_20 + X_17_21 + X_17_22 +
X_17_23 +
X_17_24 + X_17_25 + X_17_26 + X_17_27 + X_17_28 + X_17_29 + X_17_30 +
X_17_31 +
X_17_32 + X_17_33 + X_17_34 + X_17_35 + X_17_36 + X_17_37 + X_17_38 +
X_17_39 +
X_17_40 >= 1;
[_18409] X_17_17 + X_17_18 + X_17_19 + X_17_20 + X_17_21 + X_17_22 +
X_17_23 +
X_17_24 + X_17_25 + X_17_26 + X_17_27 + X_17_28 + X_17_29 + X_17_30 +
X_17_31 +
X_17_32 + X_17_33 + X_17_34 + X_17_35 + X_17_36 + X_17_37 + X_17_38 +
X_17_39 +
X_17_40 + X_17_41 + X_17_42 + X_17_43 + X_17_44 + X_17_45 + X_17_46 +
X_17_47 +
X_17_48 >= 1;
[_18410] X_17_25 + X_17_26 + X_17_27 + X_17_28 + X_17_29 + X_17_30 +
X_17_31 +
X_17_32 + X_17_33 + X_17_34 + X_17_35 + X_17_36 + X_17_37 + X_17_38 +
X_17_39 +
X_17_40 + X_17_41 + X_17_42 + X_17_43 + X_17_44 + X_17_45 + X_17_46 +
X_17_47 +
X_17_48 + X_17_49 + X_17_50 + X_17_51 + X_17_52 + X_17_53 + X_17_54 +
X_17_55 +
X_17_56 >= 1;
[_18411] X_17_33 + X_17_34 + X_17_35 + X_17_36 + X_17_37 + X_17_38 +
X_17_39 +
X_17_40 + X_17_41 + X_17_42 + X_17_43 + X_17_44 + X_17_45 + X_17_46 +
X_17_47 +
X_17_48 + X_17_49 + X_17_50 + X_17_51 + X_17_52 + X_17_53 + X_17_54 +
X_17_55 +
X_17_56 + X_17_57 + X_17_58 + X_17_59 + X_17_60 + X_17_61 + X_17_62 +
X_17_63 +
X_17_64 >= 1;
[_18412] X_17_41 + X_17_42 + X_17_43 + X_17_44 + X_17_45 + X_17_46 +
X_17_47 +

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+ X\_17\_104 + X\_17\_105 + X\_17\_106 + X\_17\_107 + X\_17\_108 + X\_17\_109 +  
 X\_17\_110 +  
 X\_17\_111 + X\_17\_112 + X\_17\_113 + X\_17\_114 + X\_17\_115 + X\_17\_116 +  
 X\_17\_117 +  
 X\_17\_118 + X\_17\_119 + X\_17\_120 >= 1;  
 [\_18419] X\_17\_97 + X\_17\_98 + X\_17\_99 + X\_17\_100 + X\_17\_101 + X\_17\_102  
 + X\_17\_103 +  
 X\_17\_104 + X\_17\_105 + X\_17\_106 + X\_17\_107 + X\_17\_108 + X\_17\_109 +  
 X\_17\_110 +  
 X\_17\_111 + X\_17\_112 + X\_17\_113 + X\_17\_114 + X\_17\_115 + X\_17\_116 +  
 X\_17\_117 +  
 X\_17\_118 + X\_17\_119 + X\_17\_120 + X\_17\_121 + X\_17\_122 + X\_17\_123 +  
 X\_17\_124 +  
 X\_17\_125 + X\_17\_126 + X\_17\_127 + X\_17\_128 >= 1;  
 [\_18420] X\_17\_105 + X\_17\_106 + X\_17\_107 + X\_17\_108 + X\_17\_109 +  
 X\_17\_110 + X\_17\_111  
 + X\_17\_112 + X\_17\_113 + X\_17\_114 + X\_17\_115 + X\_17\_116 + X\_17\_117 +  
 X\_17\_118 +  
 X\_17\_119 + X\_17\_120 + X\_17\_121 + X\_17\_122 + X\_17\_123 + X\_17\_124 +  
 X\_17\_125 +  
 X\_17\_126 + X\_17\_127 + X\_17\_128 + X\_17\_129 + X\_17\_130 + X\_17\_131 +  
 X\_17\_132 +  
 X\_17\_133 + X\_17\_134 + X\_17\_135 + X\_17\_136 >= 1;  
 [\_18421] X\_17\_113 + X\_17\_114 + X\_17\_115 + X\_17\_116 + X\_17\_117 +  
 X\_17\_118 + X\_17\_119  
 + X\_17\_120 + X\_17\_121 + X\_17\_122 + X\_17\_123 + X\_17\_124 + X\_17\_125 +  
 X\_17\_126 +  
 X\_17\_127 + X\_17\_128 + X\_17\_129 + X\_17\_130 + X\_17\_131 + X\_17\_132 +  
 X\_17\_133 +  
 X\_17\_134 + X\_17\_135 + X\_17\_136 + X\_17\_137 + X\_17\_138 + X\_17\_139 +  
 X\_17\_140 +  
 X\_17\_141 + X\_17\_142 + X\_17\_143 + X\_17\_144 >= 1;  
 [\_18422] X\_17\_121 + X\_17\_122 + X\_17\_123 + X\_17\_124 + X\_17\_125 +  
 X\_17\_126 + X\_17\_127  
 + X\_17\_128 + X\_17\_129 + X\_17\_130 + X\_17\_131 + X\_17\_132 + X\_17\_133 +  
 X\_17\_134 +  
 X\_17\_135 + X\_17\_136 + X\_17\_137 + X\_17\_138 + X\_17\_139 + X\_17\_140 +  
 X\_17\_141 +  
 X\_17\_142 + X\_17\_143 + X\_17\_144 + X\_17\_145 + X\_17\_146 + X\_17\_147 +  
 X\_17\_148 +  
 X\_17\_149 + X\_17\_150 + X\_17\_151 + X\_17\_152 >= 1;  
 [\_18423] X\_17\_129 + X\_17\_130 + X\_17\_131 + X\_17\_132 + X\_17\_133 +  
 X\_17\_134 + X\_17\_135  
 + X\_17\_136 + X\_17\_137 + X\_17\_138 + X\_17\_139 + X\_17\_140 + X\_17\_141 +  
 X\_17\_142 +  
 X\_17\_143 + X\_17\_144 + X\_17\_145 + X\_17\_146 + X\_17\_147 + X\_17\_148 +  
 X\_17\_149 +  
 X\_17\_150 + X\_17\_151 + X\_17\_152 + X\_17\_153 + X\_17\_154 + X\_17\_155 +  
 X\_17\_156 +  
 X\_17\_157 + X\_17\_158 + X\_17\_159 + X\_17\_160 >= 1;  
 [\_18424] X\_17\_137 + X\_17\_138 + X\_17\_139 + X\_17\_140 + X\_17\_141 +  
 X\_17\_142 + X\_17\_143  
 + X\_17\_144 + X\_17\_145 + X\_17\_146 + X\_17\_147 + X\_17\_148 + X\_17\_149 +  
 X\_17\_150 +  
 X\_17\_151 + X\_17\_152 + X\_17\_153 + X\_17\_154 + X\_17\_155 + X\_17\_156 +  
 X\_17\_157 +





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[_18431] X_17_193 + X_17_194 + X_17_195 + X_17_196 + X_17_197 +
X_17_198 + X_17_199
+ X_17_200 + X_17_201 + X_17_202 + X_17_203 + X_17_204 + X_17_205 +
X_17_206 +
X_17_207 + X_17_208 + X_17_209 + X_17_210 + X_17_211 + X_17_212 +
X_17_213 +
X_17_214 + X_17_215 + X_17_216 + X_17_217 + X_17_218 + X_17_219 +
X_17_220 +
X_17_221 + X_17_222 + X_17_223 + X_17_224 >= 1;
[_18432] X_17_201 + X_17_202 + X_17_203 + X_17_204 + X_17_205 +
X_17_206 + X_17_207
+ X_17_208 + X_17_209 + X_17_210 + X_17_211 + X_17_212 + X_17_213 +
X_17_214 +
X_17_215 + X_17_216 + X_17_217 + X_17_218 + X_17_219 + X_17_220 +
X_17_221 +
X_17_222 + X_17_223 + X_17_224 + X_17_225 + X_17_226 + X_17_227 +
X_17_228 +
X_17_229 + X_17_230 + X_17_231 + X_17_232 >= 1;
[_18433] X_17_209 + X_17_210 + X_17_211 + X_17_212 + X_17_213 +
X_17_214 + X_17_215
+ X_17_216 + X_17_217 + X_17_218 + X_17_219 + X_17_220 + X_17_221 +
X_17_222 +
X_17_223 + X_17_224 + X_17_225 + X_17_226 + X_17_227 + X_17_228 +
X_17_229 +
X_17_230 + X_17_231 + X_17_232 + X_17_233 + X_17_234 + X_17_235 +
X_17_236 +
X_17_237 + X_17_238 + X_17_239 + X_17_240 >= 1;
[_18434] X_18_1 + X_18_2 + X_18_3 + X_18_4 + X_18_5 + X_18_6 + X_18_7
+ X_18_8 +
X_18_9 + X_18_10 + X_18_11 + X_18_12 + X_18_13 + X_18_14 + X_18_15 +
X_18_16 +
X_18_17 + X_18_18 + X_18_19 + X_18_20 + X_18_21 + X_18_22 + X_18_23 +
X_18_24 +
X_18_25 + X_18_26 + X_18_27 + X_18_28 + X_18_29 + X_18_30 + X_18_31 +
X_18_32 >= 1
;
[_18435] X_18_9 + X_18_10 + X_18_11 + X_18_12 + X_18_13 + X_18_14 +
X_18_15 +
X_18_16 + X_18_17 + X_18_18 + X_18_19 + X_18_20 + X_18_21 + X_18_22 +
X_18_23 +
X_18_24 + X_18_25 + X_18_26 + X_18_27 + X_18_28 + X_18_29 + X_18_30 +
X_18_31 +
X_18_32 + X_18_33 + X_18_34 + X_18_35 + X_18_36 + X_18_37 + X_18_38 +
X_18_39 +
X_18_40 >= 1;
[_18436] X_18_17 + X_18_18 + X_18_19 + X_18_20 + X_18_21 + X_18_22 +
X_18_23 +
X_18_24 + X_18_25 + X_18_26 + X_18_27 + X_18_28 + X_18_29 + X_18_30 +
X_18_31 +
X_18_32 + X_18_33 + X_18_34 + X_18_35 + X_18_36 + X_18_37 + X_18_38 +
X_18_39 +
X_18_40 + X_18_41 + X_18_42 + X_18_43 + X_18_44 + X_18_45 + X_18_46 +
X_18_47 +
X_18_48 >= 1;
[_18437] X_18_25 + X_18_26 + X_18_27 + X_18_28 + X_18_29 + X_18_30 +
X_18_31 +

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[_18456] X_18_177 + X_18_178 + X_18_179 + X_18_180 + X_18_181 +
X_18_182 + X_18_183
+ X_18_184 + X_18_185 + X_18_186 + X_18_187 + X_18_188 + X_18_189 +
X_18_190 +
X_18_191 + X_18_192 + X_18_193 + X_18_194 + X_18_195 + X_18_196 +
X_18_197 +
X_18_198 + X_18_199 + X_18_200 + X_18_201 + X_18_202 + X_18_203 +
X_18_204 +
X_18_205 + X_18_206 + X_18_207 + X_18_208 >= 1;
[_18457] X_18_185 + X_18_186 + X_18_187 + X_18_188 + X_18_189 +
X_18_190 + X_18_191
+ X_18_192 + X_18_193 + X_18_194 + X_18_195 + X_18_196 + X_18_197 +
X_18_198 +
X_18_199 + X_18_200 + X_18_201 + X_18_202 + X_18_203 + X_18_204 +
X_18_205 +
X_18_206 + X_18_207 + X_18_208 + X_18_209 + X_18_210 + X_18_211 +
X_18_212 +
X_18_213 + X_18_214 + X_18_215 + X_18_216 >= 1;
[_18458] X_18_193 + X_18_194 + X_18_195 + X_18_196 + X_18_197 +
X_18_198 + X_18_199
+ X_18_200 + X_18_201 + X_18_202 + X_18_203 + X_18_204 + X_18_205 +
X_18_206 +
X_18_207 + X_18_208 + X_18_209 + X_18_210 + X_18_211 + X_18_212 +
X_18_213 +
X_18_214 + X_18_215 + X_18_216 + X_18_217 + X_18_218 + X_18_219 +
X_18_220 +
X_18_221 + X_18_222 + X_18_223 + X_18_224 >= 1;
[_18459] X_18_201 + X_18_202 + X_18_203 + X_18_204 + X_18_205 +
X_18_206 + X_18_207
+ X_18_208 + X_18_209 + X_18_210 + X_18_211 + X_18_212 + X_18_213 +
X_18_214 +
X_18_215 + X_18_216 + X_18_217 + X_18_218 + X_18_219 + X_18_220 +
X_18_221 +
X_18_222 + X_18_223 + X_18_224 + X_18_225 + X_18_226 + X_18_227 +
X_18_228 +
X_18_229 + X_18_230 + X_18_231 + X_18_232 >= 1;
[_18460] X_18_209 + X_18_210 + X_18_211 + X_18_212 + X_18_213 +
X_18_214 + X_18_215
+ X_18_216 + X_18_217 + X_18_218 + X_18_219 + X_18_220 + X_18_221 +
X_18_222 +
X_18_223 + X_18_224 + X_18_225 + X_18_226 + X_18_227 + X_18_228 +
X_18_229 +
X_18_230 + X_18_231 + X_18_232 + X_18_233 + X_18_234 + X_18_235 +
X_18_236 +
X_18_237 + X_18_238 + X_18_239 + X_18_240 >= 1;
[_18461] X_19_1 + X_19_2 + X_19_3 + X_19_4 + X_19_5 + X_19_6 + X_19_7
+ X_19_8 +
X_19_9 + X_19_10 + X_19_11 + X_19_12 + X_19_13 + X_19_14 + X_19_15 +
X_19_16 +
X_19_17 + X_19_18 + X_19_19 + X_19_20 + X_19_21 + X_19_22 + X_19_23 +
X_19_24 +
X_19_25 + X_19_26 + X_19_27 + X_19_28 + X_19_29 + X_19_30 + X_19_31 +
X_19_32 >= 1
;
[_18462] X_19_9 + X_19_10 + X_19_11 + X_19_12 + X_19_13 + X_19_14 +
X_19_15 +

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[\_18481] X\_19\_161 + X\_19\_162 + X\_19\_163 + X\_19\_164 + X\_19\_165 +  
 X\_19\_166 + X\_19\_167  
 + X\_19\_168 + X\_19\_169 + X\_19\_170 + X\_19\_171 + X\_19\_172 + X\_19\_173 +  
 X\_19\_174 +  
 X\_19\_175 + X\_19\_176 + X\_19\_177 + X\_19\_178 + X\_19\_179 + X\_19\_180 +  
 X\_19\_181 +  
 X\_19\_182 + X\_19\_183 + X\_19\_184 + X\_19\_185 + X\_19\_186 + X\_19\_187 +  
 X\_19\_188 +  
 X\_19\_189 + X\_19\_190 + X\_19\_191 + X\_19\_192 >= 1;  
 [\_18482] X\_19\_169 + X\_19\_170 + X\_19\_171 + X\_19\_172 + X\_19\_173 +  
 X\_19\_174 + X\_19\_175  
 + X\_19\_176 + X\_19\_177 + X\_19\_178 + X\_19\_179 + X\_19\_180 + X\_19\_181 +  
 X\_19\_182 +  
 X\_19\_183 + X\_19\_184 + X\_19\_185 + X\_19\_186 + X\_19\_187 + X\_19\_188 +  
 X\_19\_189 +  
 X\_19\_190 + X\_19\_191 + X\_19\_192 + X\_19\_193 + X\_19\_194 + X\_19\_195 +  
 X\_19\_196 +  
 X\_19\_197 + X\_19\_198 + X\_19\_199 + X\_19\_200 >= 1;  
 [\_18483] X\_19\_177 + X\_19\_178 + X\_19\_179 + X\_19\_180 + X\_19\_181 +  
 X\_19\_182 + X\_19\_183  
 + X\_19\_184 + X\_19\_185 + X\_19\_186 + X\_19\_187 + X\_19\_188 + X\_19\_189 +  
 X\_19\_190 +  
 X\_19\_191 + X\_19\_192 + X\_19\_193 + X\_19\_194 + X\_19\_195 + X\_19\_196 +  
 X\_19\_197 +  
 X\_19\_198 + X\_19\_199 + X\_19\_200 + X\_19\_201 + X\_19\_202 + X\_19\_203 +  
 X\_19\_204 +  
 X\_19\_205 + X\_19\_206 + X\_19\_207 + X\_19\_208 >= 1;  
 [\_18484] X\_19\_185 + X\_19\_186 + X\_19\_187 + X\_19\_188 + X\_19\_189 +  
 X\_19\_190 + X\_19\_191  
 + X\_19\_192 + X\_19\_193 + X\_19\_194 + X\_19\_195 + X\_19\_196 + X\_19\_197 +  
 X\_19\_198 +  
 X\_19\_199 + X\_19\_200 + X\_19\_201 + X\_19\_202 + X\_19\_203 + X\_19\_204 +  
 X\_19\_205 +  
 X\_19\_206 + X\_19\_207 + X\_19\_208 + X\_19\_209 + X\_19\_210 + X\_19\_211 +  
 X\_19\_212 +  
 X\_19\_213 + X\_19\_214 + X\_19\_215 + X\_19\_216 >= 1;  
 [\_18485] X\_19\_193 + X\_19\_194 + X\_19\_195 + X\_19\_196 + X\_19\_197 +  
 X\_19\_198 + X\_19\_199  
 + X\_19\_200 + X\_19\_201 + X\_19\_202 + X\_19\_203 + X\_19\_204 + X\_19\_205 +  
 X\_19\_206 +  
 X\_19\_207 + X\_19\_208 + X\_19\_209 + X\_19\_210 + X\_19\_211 + X\_19\_212 +  
 X\_19\_213 +  
 X\_19\_214 + X\_19\_215 + X\_19\_216 + X\_19\_217 + X\_19\_218 + X\_19\_219 +  
 X\_19\_220 +  
 X\_19\_221 + X\_19\_222 + X\_19\_223 + X\_19\_224 >= 1;  
 [\_18486] X\_19\_201 + X\_19\_202 + X\_19\_203 + X\_19\_204 + X\_19\_205 +  
 X\_19\_206 + X\_19\_207  
 + X\_19\_208 + X\_19\_209 + X\_19\_210 + X\_19\_211 + X\_19\_212 + X\_19\_213 +  
 X\_19\_214 +  
 X\_19\_215 + X\_19\_216 + X\_19\_217 + X\_19\_218 + X\_19\_219 + X\_19\_220 +  
 X\_19\_221 +  
 X\_19\_222 + X\_19\_223 + X\_19\_224 + X\_19\_225 + X\_19\_226 + X\_19\_227 +  
 X\_19\_228 +  
 X\_19\_229 + X\_19\_230 + X\_19\_231 + X\_19\_232 >= 1;  
 [\_18487] X\_19\_209 + X\_19\_210 + X\_19\_211 + X\_19\_212 + X\_19\_213 +  
 X\_19\_214 + X\_19\_215

```

+ X_19_216 + X_19_217 + X_19_218 + X_19_219 + X_19_220 + X_19_221 +
X_19_222 +
  X_19_223 + X_19_224 + X_19_225 + X_19_226 + X_19_227 + X_19_228 +
X_19_229 +
  X_19_230 + X_19_231 + X_19_232 + X_19_233 + X_19_234 + X_19_235 +
X_19_236 +
  X_19_237 + X_19_238 + X_19_239 + X_19_240 >= 1;
[_18488] X_20_1 + X_20_2 + X_20_3 + X_20_4 + X_20_5 + X_20_6 + X_20_7
+ X_20_8 +
  X_20_9 + X_20_10 + X_20_11 + X_20_12 + X_20_13 + X_20_14 + X_20_15 +
X_20_16 +
  X_20_17 + X_20_18 + X_20_19 + X_20_20 + X_20_21 + X_20_22 + X_20_23 +
X_20_24 +
  X_20_25 + X_20_26 + X_20_27 + X_20_28 + X_20_29 + X_20_30 + X_20_31 +
X_20_32 >= 1
;
[_18489] X_20_9 + X_20_10 + X_20_11 + X_20_12 + X_20_13 + X_20_14 +
X_20_15 +
  X_20_16 + X_20_17 + X_20_18 + X_20_19 + X_20_20 + X_20_21 + X_20_22 +
X_20_23 +
  X_20_24 + X_20_25 + X_20_26 + X_20_27 + X_20_28 + X_20_29 + X_20_30 +
X_20_31 +
  X_20_32 + X_20_33 + X_20_34 + X_20_35 + X_20_36 + X_20_37 + X_20_38 +
X_20_39 +
  X_20_40 >= 1;
[_18490] X_20_17 + X_20_18 + X_20_19 + X_20_20 + X_20_21 + X_20_22 +
X_20_23 +
  X_20_24 + X_20_25 + X_20_26 + X_20_27 + X_20_28 + X_20_29 + X_20_30 +
X_20_31 +
  X_20_32 + X_20_33 + X_20_34 + X_20_35 + X_20_36 + X_20_37 + X_20_38 +
X_20_39 +
  X_20_40 + X_20_41 + X_20_42 + X_20_43 + X_20_44 + X_20_45 + X_20_46 +
X_20_47 +
  X_20_48 >= 1;
[_18491] X_20_25 + X_20_26 + X_20_27 + X_20_28 + X_20_29 + X_20_30 +
X_20_31 +
  X_20_32 + X_20_33 + X_20_34 + X_20_35 + X_20_36 + X_20_37 + X_20_38 +
X_20_39 +
  X_20_40 + X_20_41 + X_20_42 + X_20_43 + X_20_44 + X_20_45 + X_20_46 +
X_20_47 +
  X_20_48 + X_20_49 + X_20_50 + X_20_51 + X_20_52 + X_20_53 + X_20_54 +
X_20_55 +
  X_20_56 >= 1;
[_18492] X_20_33 + X_20_34 + X_20_35 + X_20_36 + X_20_37 + X_20_38 +
X_20_39 +
  X_20_40 + X_20_41 + X_20_42 + X_20_43 + X_20_44 + X_20_45 + X_20_46 +
X_20_47 +
  X_20_48 + X_20_49 + X_20_50 + X_20_51 + X_20_52 + X_20_53 + X_20_54 +
X_20_55 +
  X_20_56 + X_20_57 + X_20_58 + X_20_59 + X_20_60 + X_20_61 + X_20_62 +
X_20_63 +
  X_20_64 >= 1;
[_18493] X_20_41 + X_20_42 + X_20_43 + X_20_44 + X_20_45 + X_20_46 +
X_20_47 +
  X_20_48 + X_20_49 + X_20_50 + X_20_51 + X_20_52 + X_20_53 + X_20_54 +
X_20_55 +

```





[\_18506] X\_20\_145 + X\_20\_146 + X\_20\_147 + X\_20\_148 + X\_20\_149 +  
 X\_20\_150 + X\_20\_151  
 + X\_20\_152 + X\_20\_153 + X\_20\_154 + X\_20\_155 + X\_20\_156 + X\_20\_157 +  
 X\_20\_158 +  
 X\_20\_159 + X\_20\_160 + X\_20\_161 + X\_20\_162 + X\_20\_163 + X\_20\_164 +  
 X\_20\_165 +  
 X\_20\_166 + X\_20\_167 + X\_20\_168 + X\_20\_169 + X\_20\_170 + X\_20\_171 +  
 X\_20\_172 +  
 X\_20\_173 + X\_20\_174 + X\_20\_175 + X\_20\_176 >= 1;  
 [\_18507] X\_20\_153 + X\_20\_154 + X\_20\_155 + X\_20\_156 + X\_20\_157 +  
 X\_20\_158 + X\_20\_159  
 + X\_20\_160 + X\_20\_161 + X\_20\_162 + X\_20\_163 + X\_20\_164 + X\_20\_165 +  
 X\_20\_166 +  
 X\_20\_167 + X\_20\_168 + X\_20\_169 + X\_20\_170 + X\_20\_171 + X\_20\_172 +  
 X\_20\_173 +  
 X\_20\_174 + X\_20\_175 + X\_20\_176 + X\_20\_177 + X\_20\_178 + X\_20\_179 +  
 X\_20\_180 +  
 X\_20\_181 + X\_20\_182 + X\_20\_183 + X\_20\_184 >= 1;  
 [\_18508] X\_20\_161 + X\_20\_162 + X\_20\_163 + X\_20\_164 + X\_20\_165 +  
 X\_20\_166 + X\_20\_167  
 + X\_20\_168 + X\_20\_169 + X\_20\_170 + X\_20\_171 + X\_20\_172 + X\_20\_173 +  
 X\_20\_174 +  
 X\_20\_175 + X\_20\_176 + X\_20\_177 + X\_20\_178 + X\_20\_179 + X\_20\_180 +  
 X\_20\_181 +  
 X\_20\_182 + X\_20\_183 + X\_20\_184 + X\_20\_185 + X\_20\_186 + X\_20\_187 +  
 X\_20\_188 +  
 X\_20\_189 + X\_20\_190 + X\_20\_191 + X\_20\_192 >= 1;  
 [\_18509] X\_20\_169 + X\_20\_170 + X\_20\_171 + X\_20\_172 + X\_20\_173 +  
 X\_20\_174 + X\_20\_175  
 + X\_20\_176 + X\_20\_177 + X\_20\_178 + X\_20\_179 + X\_20\_180 + X\_20\_181 +  
 X\_20\_182 +  
 X\_20\_183 + X\_20\_184 + X\_20\_185 + X\_20\_186 + X\_20\_187 + X\_20\_188 +  
 X\_20\_189 +  
 X\_20\_190 + X\_20\_191 + X\_20\_192 + X\_20\_193 + X\_20\_194 + X\_20\_195 +  
 X\_20\_196 +  
 X\_20\_197 + X\_20\_198 + X\_20\_199 + X\_20\_200 >= 1;  
 [\_18510] X\_20\_177 + X\_20\_178 + X\_20\_179 + X\_20\_180 + X\_20\_181 +  
 X\_20\_182 + X\_20\_183  
 + X\_20\_184 + X\_20\_185 + X\_20\_186 + X\_20\_187 + X\_20\_188 + X\_20\_189 +  
 X\_20\_190 +  
 X\_20\_191 + X\_20\_192 + X\_20\_193 + X\_20\_194 + X\_20\_195 + X\_20\_196 +  
 X\_20\_197 +  
 X\_20\_198 + X\_20\_199 + X\_20\_200 + X\_20\_201 + X\_20\_202 + X\_20\_203 +  
 X\_20\_204 +  
 X\_20\_205 + X\_20\_206 + X\_20\_207 + X\_20\_208 >= 1;  
 [\_18511] X\_20\_185 + X\_20\_186 + X\_20\_187 + X\_20\_188 + X\_20\_189 +  
 X\_20\_190 + X\_20\_191  
 + X\_20\_192 + X\_20\_193 + X\_20\_194 + X\_20\_195 + X\_20\_196 + X\_20\_197 +  
 X\_20\_198 +  
 X\_20\_199 + X\_20\_200 + X\_20\_201 + X\_20\_202 + X\_20\_203 + X\_20\_204 +  
 X\_20\_205 +  
 X\_20\_206 + X\_20\_207 + X\_20\_208 + X\_20\_209 + X\_20\_210 + X\_20\_211 +  
 X\_20\_212 +  
 X\_20\_213 + X\_20\_214 + X\_20\_215 + X\_20\_216 >= 1;  
 [\_18512] X\_20\_193 + X\_20\_194 + X\_20\_195 + X\_20\_196 + X\_20\_197 +  
 X\_20\_198 + X\_20\_199

+ X\_20\_200 + X\_20\_201 + X\_20\_202 + X\_20\_203 + X\_20\_204 + X\_20\_205 +  
 X\_20\_206 +  
 X\_20\_207 + X\_20\_208 + X\_20\_209 + X\_20\_210 + X\_20\_211 + X\_20\_212 +  
 X\_20\_213 +  
 X\_20\_214 + X\_20\_215 + X\_20\_216 + X\_20\_217 + X\_20\_218 + X\_20\_219 +  
 X\_20\_220 +  
 X\_20\_221 + X\_20\_222 + X\_20\_223 + X\_20\_224 >= 1;  
 [\_18513] X\_20\_201 + X\_20\_202 + X\_20\_203 + X\_20\_204 + X\_20\_205 +  
 X\_20\_206 + X\_20\_207  
 + X\_20\_208 + X\_20\_209 + X\_20\_210 + X\_20\_211 + X\_20\_212 + X\_20\_213 +  
 X\_20\_214 +  
 X\_20\_215 + X\_20\_216 + X\_20\_217 + X\_20\_218 + X\_20\_219 + X\_20\_220 +  
 X\_20\_221 +  
 X\_20\_222 + X\_20\_223 + X\_20\_224 + X\_20\_225 + X\_20\_226 + X\_20\_227 +  
 X\_20\_228 +  
 X\_20\_229 + X\_20\_230 + X\_20\_231 + X\_20\_232 >= 1;  
 [\_18514] X\_20\_209 + X\_20\_210 + X\_20\_211 + X\_20\_212 + X\_20\_213 +  
 X\_20\_214 + X\_20\_215  
 + X\_20\_216 + X\_20\_217 + X\_20\_218 + X\_20\_219 + X\_20\_220 + X\_20\_221 +  
 X\_20\_222 +  
 X\_20\_223 + X\_20\_224 + X\_20\_225 + X\_20\_226 + X\_20\_227 + X\_20\_228 +  
 X\_20\_229 +  
 X\_20\_230 + X\_20\_231 + X\_20\_232 + X\_20\_233 + X\_20\_234 + X\_20\_235 +  
 X\_20\_236 +  
 X\_20\_237 + X\_20\_238 + X\_20\_239 + X\_20\_240 >= 1;  
 [\_18515] X\_21\_1 + X\_21\_2 + X\_21\_3 + X\_21\_4 + X\_21\_5 + X\_21\_6 + X\_21\_7  
 + X\_21\_8 +  
 X\_21\_9 + X\_21\_10 + X\_21\_11 + X\_21\_12 + X\_21\_13 + X\_21\_14 + X\_21\_15 +  
 X\_21\_16 +  
 X\_21\_17 + X\_21\_18 + X\_21\_19 + X\_21\_20 + X\_21\_21 + X\_21\_22 + X\_21\_23 +  
 X\_21\_24 +  
 X\_21\_25 + X\_21\_26 + X\_21\_27 + X\_21\_28 + X\_21\_29 + X\_21\_30 + X\_21\_31 +  
 X\_21\_32 >= 1  
 ;  
 [\_18516] X\_21\_9 + X\_21\_10 + X\_21\_11 + X\_21\_12 + X\_21\_13 + X\_21\_14 +  
 X\_21\_15 +  
 X\_21\_16 + X\_21\_17 + X\_21\_18 + X\_21\_19 + X\_21\_20 + X\_21\_21 + X\_21\_22 +  
 X\_21\_23 +  
 X\_21\_24 + X\_21\_25 + X\_21\_26 + X\_21\_27 + X\_21\_28 + X\_21\_29 + X\_21\_30 +  
 X\_21\_31 +  
 X\_21\_32 + X\_21\_33 + X\_21\_34 + X\_21\_35 + X\_21\_36 + X\_21\_37 + X\_21\_38 +  
 X\_21\_39 +  
 X\_21\_40 >= 1;  
 [\_18517] X\_21\_17 + X\_21\_18 + X\_21\_19 + X\_21\_20 + X\_21\_21 + X\_21\_22 +  
 X\_21\_23 +  
 X\_21\_24 + X\_21\_25 + X\_21\_26 + X\_21\_27 + X\_21\_28 + X\_21\_29 + X\_21\_30 +  
 X\_21\_31 +  
 X\_21\_32 + X\_21\_33 + X\_21\_34 + X\_21\_35 + X\_21\_36 + X\_21\_37 + X\_21\_38 +  
 X\_21\_39 +  
 X\_21\_40 + X\_21\_41 + X\_21\_42 + X\_21\_43 + X\_21\_44 + X\_21\_45 + X\_21\_46 +  
 X\_21\_47 +  
 X\_21\_48 >= 1;  
 [\_18518] X\_21\_25 + X\_21\_26 + X\_21\_27 + X\_21\_28 + X\_21\_29 + X\_21\_30 +  
 X\_21\_31 +  
 X\_21\_32 + X\_21\_33 + X\_21\_34 + X\_21\_35 + X\_21\_36 + X\_21\_37 + X\_21\_38 +  
 X\_21\_39 +







[\_18531] X\_21\_129 + X\_21\_130 + X\_21\_131 + X\_21\_132 + X\_21\_133 +  
 X\_21\_134 + X\_21\_135  
 + X\_21\_136 + X\_21\_137 + X\_21\_138 + X\_21\_139 + X\_21\_140 + X\_21\_141 +  
 X\_21\_142 +  
 X\_21\_143 + X\_21\_144 + X\_21\_145 + X\_21\_146 + X\_21\_147 + X\_21\_148 +  
 X\_21\_149 +  
 X\_21\_150 + X\_21\_151 + X\_21\_152 + X\_21\_153 + X\_21\_154 + X\_21\_155 +  
 X\_21\_156 +  
 X\_21\_157 + X\_21\_158 + X\_21\_159 + X\_21\_160 >= 1;  
 [\_18532] X\_21\_137 + X\_21\_138 + X\_21\_139 + X\_21\_140 + X\_21\_141 +  
 X\_21\_142 + X\_21\_143  
 + X\_21\_144 + X\_21\_145 + X\_21\_146 + X\_21\_147 + X\_21\_148 + X\_21\_149 +  
 X\_21\_150 +  
 X\_21\_151 + X\_21\_152 + X\_21\_153 + X\_21\_154 + X\_21\_155 + X\_21\_156 +  
 X\_21\_157 +  
 X\_21\_158 + X\_21\_159 + X\_21\_160 + X\_21\_161 + X\_21\_162 + X\_21\_163 +  
 X\_21\_164 +  
 X\_21\_165 + X\_21\_166 + X\_21\_167 + X\_21\_168 >= 1;  
 [\_18533] X\_21\_145 + X\_21\_146 + X\_21\_147 + X\_21\_148 + X\_21\_149 +  
 X\_21\_150 + X\_21\_151  
 + X\_21\_152 + X\_21\_153 + X\_21\_154 + X\_21\_155 + X\_21\_156 + X\_21\_157 +  
 X\_21\_158 +  
 X\_21\_159 + X\_21\_160 + X\_21\_161 + X\_21\_162 + X\_21\_163 + X\_21\_164 +  
 X\_21\_165 +  
 X\_21\_166 + X\_21\_167 + X\_21\_168 + X\_21\_169 + X\_21\_170 + X\_21\_171 +  
 X\_21\_172 +  
 X\_21\_173 + X\_21\_174 + X\_21\_175 + X\_21\_176 >= 1;  
 [\_18534] X\_21\_153 + X\_21\_154 + X\_21\_155 + X\_21\_156 + X\_21\_157 +  
 X\_21\_158 + X\_21\_159  
 + X\_21\_160 + X\_21\_161 + X\_21\_162 + X\_21\_163 + X\_21\_164 + X\_21\_165 +  
 X\_21\_166 +  
 X\_21\_167 + X\_21\_168 + X\_21\_169 + X\_21\_170 + X\_21\_171 + X\_21\_172 +  
 X\_21\_173 +  
 X\_21\_174 + X\_21\_175 + X\_21\_176 + X\_21\_177 + X\_21\_178 + X\_21\_179 +  
 X\_21\_180 +  
 X\_21\_181 + X\_21\_182 + X\_21\_183 + X\_21\_184 >= 1;  
 [\_18535] X\_21\_161 + X\_21\_162 + X\_21\_163 + X\_21\_164 + X\_21\_165 +  
 X\_21\_166 + X\_21\_167  
 + X\_21\_168 + X\_21\_169 + X\_21\_170 + X\_21\_171 + X\_21\_172 + X\_21\_173 +  
 X\_21\_174 +  
 X\_21\_175 + X\_21\_176 + X\_21\_177 + X\_21\_178 + X\_21\_179 + X\_21\_180 +  
 X\_21\_181 +  
 X\_21\_182 + X\_21\_183 + X\_21\_184 + X\_21\_185 + X\_21\_186 + X\_21\_187 +  
 X\_21\_188 +  
 X\_21\_189 + X\_21\_190 + X\_21\_191 + X\_21\_192 >= 1;  
 [\_18536] X\_21\_169 + X\_21\_170 + X\_21\_171 + X\_21\_172 + X\_21\_173 +  
 X\_21\_174 + X\_21\_175  
 + X\_21\_176 + X\_21\_177 + X\_21\_178 + X\_21\_179 + X\_21\_180 + X\_21\_181 +  
 X\_21\_182 +  
 X\_21\_183 + X\_21\_184 + X\_21\_185 + X\_21\_186 + X\_21\_187 + X\_21\_188 +  
 X\_21\_189 +  
 X\_21\_190 + X\_21\_191 + X\_21\_192 + X\_21\_193 + X\_21\_194 + X\_21\_195 +  
 X\_21\_196 +  
 X\_21\_197 + X\_21\_198 + X\_21\_199 + X\_21\_200 >= 1;  
 [\_18537] X\_21\_177 + X\_21\_178 + X\_21\_179 + X\_21\_180 + X\_21\_181 +  
 X\_21\_182 + X\_21\_183

+ X\_21\_184 + X\_21\_185 + X\_21\_186 + X\_21\_187 + X\_21\_188 + X\_21\_189 +  
 X\_21\_190 +  
 X\_21\_191 + X\_21\_192 + X\_21\_193 + X\_21\_194 + X\_21\_195 + X\_21\_196 +  
 X\_21\_197 +  
 X\_21\_198 + X\_21\_199 + X\_21\_200 + X\_21\_201 + X\_21\_202 + X\_21\_203 +  
 X\_21\_204 +  
 X\_21\_205 + X\_21\_206 + X\_21\_207 + X\_21\_208 >= 1;  
 [\_18538] X\_21\_185 + X\_21\_186 + X\_21\_187 + X\_21\_188 + X\_21\_189 +  
 X\_21\_190 + X\_21\_191  
 + X\_21\_192 + X\_21\_193 + X\_21\_194 + X\_21\_195 + X\_21\_196 + X\_21\_197 +  
 X\_21\_198 +  
 X\_21\_199 + X\_21\_200 + X\_21\_201 + X\_21\_202 + X\_21\_203 + X\_21\_204 +  
 X\_21\_205 +  
 X\_21\_206 + X\_21\_207 + X\_21\_208 + X\_21\_209 + X\_21\_210 + X\_21\_211 +  
 X\_21\_212 +  
 X\_21\_213 + X\_21\_214 + X\_21\_215 + X\_21\_216 >= 1;  
 [\_18539] X\_21\_193 + X\_21\_194 + X\_21\_195 + X\_21\_196 + X\_21\_197 +  
 X\_21\_198 + X\_21\_199  
 + X\_21\_200 + X\_21\_201 + X\_21\_202 + X\_21\_203 + X\_21\_204 + X\_21\_205 +  
 X\_21\_206 +  
 X\_21\_207 + X\_21\_208 + X\_21\_209 + X\_21\_210 + X\_21\_211 + X\_21\_212 +  
 X\_21\_213 +  
 X\_21\_214 + X\_21\_215 + X\_21\_216 + X\_21\_217 + X\_21\_218 + X\_21\_219 +  
 X\_21\_220 +  
 X\_21\_221 + X\_21\_222 + X\_21\_223 + X\_21\_224 >= 1;  
 [\_18540] X\_21\_201 + X\_21\_202 + X\_21\_203 + X\_21\_204 + X\_21\_205 +  
 X\_21\_206 + X\_21\_207  
 + X\_21\_208 + X\_21\_209 + X\_21\_210 + X\_21\_211 + X\_21\_212 + X\_21\_213 +  
 X\_21\_214 +  
 X\_21\_215 + X\_21\_216 + X\_21\_217 + X\_21\_218 + X\_21\_219 + X\_21\_220 +  
 X\_21\_221 +  
 X\_21\_222 + X\_21\_223 + X\_21\_224 + X\_21\_225 + X\_21\_226 + X\_21\_227 +  
 X\_21\_228 +  
 X\_21\_229 + X\_21\_230 + X\_21\_231 + X\_21\_232 >= 1;  
 [\_18541] X\_21\_209 + X\_21\_210 + X\_21\_211 + X\_21\_212 + X\_21\_213 +  
 X\_21\_214 + X\_21\_215  
 + X\_21\_216 + X\_21\_217 + X\_21\_218 + X\_21\_219 + X\_21\_220 + X\_21\_221 +  
 X\_21\_222 +  
 X\_21\_223 + X\_21\_224 + X\_21\_225 + X\_21\_226 + X\_21\_227 + X\_21\_228 +  
 X\_21\_229 +  
 X\_21\_230 + X\_21\_231 + X\_21\_232 + X\_21\_233 + X\_21\_234 + X\_21\_235 +  
 X\_21\_236 +  
 X\_21\_237 + X\_21\_238 + X\_21\_239 + X\_21\_240 >= 1;  
 [\_18542] X\_22\_1 + X\_22\_2 + X\_22\_3 + X\_22\_4 + X\_22\_5 + X\_22\_6 + X\_22\_7  
 + X\_22\_8 +  
 X\_22\_9 + X\_22\_10 + X\_22\_11 + X\_22\_12 + X\_22\_13 + X\_22\_14 + X\_22\_15 +  
 X\_22\_16 +  
 X\_22\_17 + X\_22\_18 + X\_22\_19 + X\_22\_20 + X\_22\_21 + X\_22\_22 + X\_22\_23 +  
 X\_22\_24 +  
 X\_22\_25 + X\_22\_26 + X\_22\_27 + X\_22\_28 + X\_22\_29 + X\_22\_30 + X\_22\_31 +  
 X\_22\_32 >= 1  
 ;  
 [\_18543] X\_22\_9 + X\_22\_10 + X\_22\_11 + X\_22\_12 + X\_22\_13 + X\_22\_14 +  
 X\_22\_15 +  
 X\_22\_16 + X\_22\_17 + X\_22\_18 + X\_22\_19 + X\_22\_20 + X\_22\_21 + X\_22\_22 +  
 X\_22\_23 +





[\_18556] X\_22\_113 + X\_22\_114 + X\_22\_115 + X\_22\_116 + X\_22\_117 +  
 X\_22\_118 + X\_22\_119  
 + X\_22\_120 + X\_22\_121 + X\_22\_122 + X\_22\_123 + X\_22\_124 + X\_22\_125 +  
 X\_22\_126 +  
 X\_22\_127 + X\_22\_128 + X\_22\_129 + X\_22\_130 + X\_22\_131 + X\_22\_132 +  
 X\_22\_133 +  
 X\_22\_134 + X\_22\_135 + X\_22\_136 + X\_22\_137 + X\_22\_138 + X\_22\_139 +  
 X\_22\_140 +  
 X\_22\_141 + X\_22\_142 + X\_22\_143 + X\_22\_144 >= 1;  
 [\_18557] X\_22\_121 + X\_22\_122 + X\_22\_123 + X\_22\_124 + X\_22\_125 +  
 X\_22\_126 + X\_22\_127  
 + X\_22\_128 + X\_22\_129 + X\_22\_130 + X\_22\_131 + X\_22\_132 + X\_22\_133 +  
 X\_22\_134 +  
 X\_22\_135 + X\_22\_136 + X\_22\_137 + X\_22\_138 + X\_22\_139 + X\_22\_140 +  
 X\_22\_141 +  
 X\_22\_142 + X\_22\_143 + X\_22\_144 + X\_22\_145 + X\_22\_146 + X\_22\_147 +  
 X\_22\_148 +  
 X\_22\_149 + X\_22\_150 + X\_22\_151 + X\_22\_152 >= 1;  
 [\_18558] X\_22\_129 + X\_22\_130 + X\_22\_131 + X\_22\_132 + X\_22\_133 +  
 X\_22\_134 + X\_22\_135  
 + X\_22\_136 + X\_22\_137 + X\_22\_138 + X\_22\_139 + X\_22\_140 + X\_22\_141 +  
 X\_22\_142 +  
 X\_22\_143 + X\_22\_144 + X\_22\_145 + X\_22\_146 + X\_22\_147 + X\_22\_148 +  
 X\_22\_149 +  
 X\_22\_150 + X\_22\_151 + X\_22\_152 + X\_22\_153 + X\_22\_154 + X\_22\_155 +  
 X\_22\_156 +  
 X\_22\_157 + X\_22\_158 + X\_22\_159 + X\_22\_160 >= 1;  
 [\_18559] X\_22\_137 + X\_22\_138 + X\_22\_139 + X\_22\_140 + X\_22\_141 +  
 X\_22\_142 + X\_22\_143  
 + X\_22\_144 + X\_22\_145 + X\_22\_146 + X\_22\_147 + X\_22\_148 + X\_22\_149 +  
 X\_22\_150 +  
 X\_22\_151 + X\_22\_152 + X\_22\_153 + X\_22\_154 + X\_22\_155 + X\_22\_156 +  
 X\_22\_157 +  
 X\_22\_158 + X\_22\_159 + X\_22\_160 + X\_22\_161 + X\_22\_162 + X\_22\_163 +  
 X\_22\_164 +  
 X\_22\_165 + X\_22\_166 + X\_22\_167 + X\_22\_168 >= 1;  
 [\_18560] X\_22\_145 + X\_22\_146 + X\_22\_147 + X\_22\_148 + X\_22\_149 +  
 X\_22\_150 + X\_22\_151  
 + X\_22\_152 + X\_22\_153 + X\_22\_154 + X\_22\_155 + X\_22\_156 + X\_22\_157 +  
 X\_22\_158 +  
 X\_22\_159 + X\_22\_160 + X\_22\_161 + X\_22\_162 + X\_22\_163 + X\_22\_164 +  
 X\_22\_165 +  
 X\_22\_166 + X\_22\_167 + X\_22\_168 + X\_22\_169 + X\_22\_170 + X\_22\_171 +  
 X\_22\_172 +  
 X\_22\_173 + X\_22\_174 + X\_22\_175 + X\_22\_176 >= 1;  
 [\_18561] X\_22\_153 + X\_22\_154 + X\_22\_155 + X\_22\_156 + X\_22\_157 +  
 X\_22\_158 + X\_22\_159  
 + X\_22\_160 + X\_22\_161 + X\_22\_162 + X\_22\_163 + X\_22\_164 + X\_22\_165 +  
 X\_22\_166 +  
 X\_22\_167 + X\_22\_168 + X\_22\_169 + X\_22\_170 + X\_22\_171 + X\_22\_172 +  
 X\_22\_173 +  
 X\_22\_174 + X\_22\_175 + X\_22\_176 + X\_22\_177 + X\_22\_178 + X\_22\_179 +  
 X\_22\_180 +  
 X\_22\_181 + X\_22\_182 + X\_22\_183 + X\_22\_184 >= 1;  
 [\_18562] X\_22\_161 + X\_22\_162 + X\_22\_163 + X\_22\_164 + X\_22\_165 +  
 X\_22\_166 + X\_22\_167



$X_{22\_223} + X_{22\_224} + X_{22\_225} + X_{22\_226} + X_{22\_227} + X_{22\_228} + X_{22\_229} +$   
 $X_{22\_230} + X_{22\_231} + X_{22\_232} + X_{22\_233} + X_{22\_234} + X_{22\_235} + X_{22\_236} +$   
 $X_{22\_237} + X_{22\_238} + X_{22\_239} + X_{22\_240} \geq 1;$   
 [\_18569]  $X_{23\_1} + X_{23\_2} + X_{23\_3} + X_{23\_4} + X_{23\_5} + X_{23\_6} + X_{23\_7} + X_{23\_8} +$   
 $X_{23\_9} + X_{23\_10} + X_{23\_11} + X_{23\_12} + X_{23\_13} + X_{23\_14} + X_{23\_15} + X_{23\_16} +$   
 $X_{23\_17} + X_{23\_18} + X_{23\_19} + X_{23\_20} + X_{23\_21} + X_{23\_22} + X_{23\_23} + X_{23\_24} +$   
 $X_{23\_25} + X_{23\_26} + X_{23\_27} + X_{23\_28} + X_{23\_29} + X_{23\_30} + X_{23\_31} + X_{23\_32} \geq 1$   
 ;  
 [\_18570]  $X_{23\_9} + X_{23\_10} + X_{23\_11} + X_{23\_12} + X_{23\_13} + X_{23\_14} + X_{23\_15} +$   
 $X_{23\_16} + X_{23\_17} + X_{23\_18} + X_{23\_19} + X_{23\_20} + X_{23\_21} + X_{23\_22} + X_{23\_23} +$   
 $X_{23\_24} + X_{23\_25} + X_{23\_26} + X_{23\_27} + X_{23\_28} + X_{23\_29} + X_{23\_30} + X_{23\_31} +$   
 $X_{23\_32} + X_{23\_33} + X_{23\_34} + X_{23\_35} + X_{23\_36} + X_{23\_37} + X_{23\_38} + X_{23\_39} +$   
 $X_{23\_40} \geq 1;$   
 [\_18571]  $X_{23\_17} + X_{23\_18} + X_{23\_19} + X_{23\_20} + X_{23\_21} + X_{23\_22} + X_{23\_23} +$   
 $X_{23\_24} + X_{23\_25} + X_{23\_26} + X_{23\_27} + X_{23\_28} + X_{23\_29} + X_{23\_30} + X_{23\_31} +$   
 $X_{23\_32} + X_{23\_33} + X_{23\_34} + X_{23\_35} + X_{23\_36} + X_{23\_37} + X_{23\_38} + X_{23\_39} +$   
 $X_{23\_40} + X_{23\_41} + X_{23\_42} + X_{23\_43} + X_{23\_44} + X_{23\_45} + X_{23\_46} + X_{23\_47} +$   
 $X_{23\_48} \geq 1;$   
 [\_18572]  $X_{23\_25} + X_{23\_26} + X_{23\_27} + X_{23\_28} + X_{23\_29} + X_{23\_30} + X_{23\_31} +$   
 $X_{23\_32} + X_{23\_33} + X_{23\_34} + X_{23\_35} + X_{23\_36} + X_{23\_37} + X_{23\_38} + X_{23\_39} +$   
 $X_{23\_40} + X_{23\_41} + X_{23\_42} + X_{23\_43} + X_{23\_44} + X_{23\_45} + X_{23\_46} + X_{23\_47} +$   
 $X_{23\_48} + X_{23\_49} + X_{23\_50} + X_{23\_51} + X_{23\_52} + X_{23\_53} + X_{23\_54} + X_{23\_55} +$   
 $X_{23\_56} \geq 1;$   
 [\_18573]  $X_{23\_33} + X_{23\_34} + X_{23\_35} + X_{23\_36} + X_{23\_37} + X_{23\_38} + X_{23\_39} +$   
 $X_{23\_40} + X_{23\_41} + X_{23\_42} + X_{23\_43} + X_{23\_44} + X_{23\_45} + X_{23\_46} + X_{23\_47} +$   
 $X_{23\_48} + X_{23\_49} + X_{23\_50} + X_{23\_51} + X_{23\_52} + X_{23\_53} + X_{23\_54} + X_{23\_55} +$   
 $X_{23\_56} + X_{23\_57} + X_{23\_58} + X_{23\_59} + X_{23\_60} + X_{23\_61} + X_{23\_62} + X_{23\_63} +$   
 $X_{23\_64} \geq 1;$   
 [\_18574]  $X_{23\_41} + X_{23\_42} + X_{23\_43} + X_{23\_44} + X_{23\_45} + X_{23\_46} + X_{23\_47} +$   
 $X_{23\_48} + X_{23\_49} + X_{23\_50} + X_{23\_51} + X_{23\_52} + X_{23\_53} + X_{23\_54} + X_{23\_55} +$   
 $X_{23\_56} + X_{23\_57} + X_{23\_58} + X_{23\_59} + X_{23\_60} + X_{23\_61} + X_{23\_62} + X_{23\_63} +$





[\_18581] X\_23\_97 + X\_23\_98 + X\_23\_99 + X\_23\_100 + X\_23\_101 + X\_23\_102  
 + X\_23\_103 +  
 X\_23\_104 + X\_23\_105 + X\_23\_106 + X\_23\_107 + X\_23\_108 + X\_23\_109 +  
 X\_23\_110 +  
 X\_23\_111 + X\_23\_112 + X\_23\_113 + X\_23\_114 + X\_23\_115 + X\_23\_116 +  
 X\_23\_117 +  
 X\_23\_118 + X\_23\_119 + X\_23\_120 + X\_23\_121 + X\_23\_122 + X\_23\_123 +  
 X\_23\_124 +  
 X\_23\_125 + X\_23\_126 + X\_23\_127 + X\_23\_128 >= 1;  
 [\_18582] X\_23\_105 + X\_23\_106 + X\_23\_107 + X\_23\_108 + X\_23\_109 +  
 X\_23\_110 + X\_23\_111  
 + X\_23\_112 + X\_23\_113 + X\_23\_114 + X\_23\_115 + X\_23\_116 + X\_23\_117 +  
 X\_23\_118 +  
 X\_23\_119 + X\_23\_120 + X\_23\_121 + X\_23\_122 + X\_23\_123 + X\_23\_124 +  
 X\_23\_125 +  
 X\_23\_126 + X\_23\_127 + X\_23\_128 + X\_23\_129 + X\_23\_130 + X\_23\_131 +  
 X\_23\_132 +  
 X\_23\_133 + X\_23\_134 + X\_23\_135 + X\_23\_136 >= 1;  
 [\_18583] X\_23\_113 + X\_23\_114 + X\_23\_115 + X\_23\_116 + X\_23\_117 +  
 X\_23\_118 + X\_23\_119  
 + X\_23\_120 + X\_23\_121 + X\_23\_122 + X\_23\_123 + X\_23\_124 + X\_23\_125 +  
 X\_23\_126 +  
 X\_23\_127 + X\_23\_128 + X\_23\_129 + X\_23\_130 + X\_23\_131 + X\_23\_132 +  
 X\_23\_133 +  
 X\_23\_134 + X\_23\_135 + X\_23\_136 + X\_23\_137 + X\_23\_138 + X\_23\_139 +  
 X\_23\_140 +  
 X\_23\_141 + X\_23\_142 + X\_23\_143 + X\_23\_144 >= 1;  
 [\_18584] X\_23\_121 + X\_23\_122 + X\_23\_123 + X\_23\_124 + X\_23\_125 +  
 X\_23\_126 + X\_23\_127  
 + X\_23\_128 + X\_23\_129 + X\_23\_130 + X\_23\_131 + X\_23\_132 + X\_23\_133 +  
 X\_23\_134 +  
 X\_23\_135 + X\_23\_136 + X\_23\_137 + X\_23\_138 + X\_23\_139 + X\_23\_140 +  
 X\_23\_141 +  
 X\_23\_142 + X\_23\_143 + X\_23\_144 + X\_23\_145 + X\_23\_146 + X\_23\_147 +  
 X\_23\_148 +  
 X\_23\_149 + X\_23\_150 + X\_23\_151 + X\_23\_152 >= 1;  
 [\_18585] X\_23\_129 + X\_23\_130 + X\_23\_131 + X\_23\_132 + X\_23\_133 +  
 X\_23\_134 + X\_23\_135  
 + X\_23\_136 + X\_23\_137 + X\_23\_138 + X\_23\_139 + X\_23\_140 + X\_23\_141 +  
 X\_23\_142 +  
 X\_23\_143 + X\_23\_144 + X\_23\_145 + X\_23\_146 + X\_23\_147 + X\_23\_148 +  
 X\_23\_149 +  
 X\_23\_150 + X\_23\_151 + X\_23\_152 + X\_23\_153 + X\_23\_154 + X\_23\_155 +  
 X\_23\_156 +  
 X\_23\_157 + X\_23\_158 + X\_23\_159 + X\_23\_160 >= 1;  
 [\_18586] X\_23\_137 + X\_23\_138 + X\_23\_139 + X\_23\_140 + X\_23\_141 +  
 X\_23\_142 + X\_23\_143  
 + X\_23\_144 + X\_23\_145 + X\_23\_146 + X\_23\_147 + X\_23\_148 + X\_23\_149 +  
 X\_23\_150 +  
 X\_23\_151 + X\_23\_152 + X\_23\_153 + X\_23\_154 + X\_23\_155 + X\_23\_156 +  
 X\_23\_157 +  
 X\_23\_158 + X\_23\_159 + X\_23\_160 + X\_23\_161 + X\_23\_162 + X\_23\_163 +  
 X\_23\_164 +  
 X\_23\_165 + X\_23\_166 + X\_23\_167 + X\_23\_168 >= 1;  
 [\_18587] X\_23\_145 + X\_23\_146 + X\_23\_147 + X\_23\_148 + X\_23\_149 +  
 X\_23\_150 + X\_23\_151



$X_{23\_207} + X_{23\_208} + X_{23\_209} + X_{23\_210} + X_{23\_211} + X_{23\_212} + X_{23\_213} +$   
 $X_{23\_214} + X_{23\_215} + X_{23\_216} + X_{23\_217} + X_{23\_218} + X_{23\_219} + X_{23\_220} +$   
 $X_{23\_221} + X_{23\_222} + X_{23\_223} + X_{23\_224} \geq 1;$   
 [\_18594]  $X_{23\_201} + X_{23\_202} + X_{23\_203} + X_{23\_204} + X_{23\_205} + X_{23\_206} + X_{23\_207}$   
 $+ X_{23\_208} + X_{23\_209} + X_{23\_210} + X_{23\_211} + X_{23\_212} + X_{23\_213} + X_{23\_214} +$   
 $X_{23\_215} + X_{23\_216} + X_{23\_217} + X_{23\_218} + X_{23\_219} + X_{23\_220} + X_{23\_221} +$   
 $X_{23\_222} + X_{23\_223} + X_{23\_224} + X_{23\_225} + X_{23\_226} + X_{23\_227} + X_{23\_228} +$   
 $X_{23\_229} + X_{23\_230} + X_{23\_231} + X_{23\_232} \geq 1;$   
 [\_18595]  $X_{23\_209} + X_{23\_210} + X_{23\_211} + X_{23\_212} + X_{23\_213} + X_{23\_214} + X_{23\_215}$   
 $+ X_{23\_216} + X_{23\_217} + X_{23\_218} + X_{23\_219} + X_{23\_220} + X_{23\_221} + X_{23\_222} +$   
 $X_{23\_223} + X_{23\_224} + X_{23\_225} + X_{23\_226} + X_{23\_227} + X_{23\_228} + X_{23\_229} +$   
 $X_{23\_230} + X_{23\_231} + X_{23\_232} + X_{23\_233} + X_{23\_234} + X_{23\_235} + X_{23\_236} +$   
 $X_{23\_237} + X_{23\_238} + X_{23\_239} + X_{23\_240} \geq 1;$   
 [\_18596]  $2210 * X_{1\_1} + 1086 * X_{1\_2} + 1722 * X_{1\_3} + 2018 * X_{1\_4} + 2726 * X_{1\_8} +$   
 $2210 * X_{1\_9} + 860 * X_{1\_11} + 1122 * X_{1\_12} + 820 * X_{1\_13} + 1540 * X_{1\_14} + 596 * X_{1\_15}$   
 $X_{1\_15} \leq 3000;$   
 [\_18597]  $2210 * X_{1\_9} + 860 * X_{1\_11} + 1122 * X_{1\_12} + 820 * X_{1\_13} + 1540 * X_{1\_14}$   
 $+ 596 * X_{1\_15} + 1722 * X_{1\_17} + 2726 * X_{1\_18} + 2018 * X_{1\_19} + 860 * X_{1\_20} +$   
 $2210 * X_{1\_21} \leq 3000;$   
 [\_18598]  $1722 * X_{1\_17} + 2726 * X_{1\_18} + 2018 * X_{1\_19} + 860 * X_{1\_20} + 2210 * X_{1\_21}$   
 $+ 1540 * X_{1\_25} + 596 * X_{1\_27} + 1086 * X_{1\_28} + 1722 * X_{1\_29} + 820 * X_{1\_30} +$   
 $2210 * X_{1\_32} \leq 3000;$   
 [\_18599]  $1540 * X_{1\_25} + 596 * X_{1\_27} + 1086 * X_{1\_28} + 1722 * X_{1\_29} + 820 * X_{1\_30} +$   
 $2210 * X_{1\_32} + 2726 * X_{1\_33} + 2018 * X_{1\_34} + 2210 * X_{1\_35} + 860 * X_{1\_36} +$   
 $1122 * X_{1\_37} \leq 3000;$   
 [\_18600]  $2726 * X_{1\_33} + 2018 * X_{1\_34} + 2210 * X_{1\_35} + 860 * X_{1\_36} + 1122 * X_{1\_37}$   
 $+ 2210 * X_{1\_43} + 596 * X_{1\_44} + 1540 * X_{1\_45} + 1722 * X_{1\_46} + 1086 * X_{1\_47} +$   
 $820 * X_{1\_48} \leq 3000;$   
 [\_18601]  $2210 * X_{1\_43} + 596 * X_{1\_44} + 1540 * X_{1\_45} + 1722 * X_{1\_46} + 1086 * X_{1\_47}$   
 $+ 820 * X_{1\_48} + 2018 * X_{1\_49} + 2726 * X_{1\_50} + 1122 * X_{1\_51} + 860 * X_{1\_52} +$   
 $2210 * X_{1\_53} \leq 3000;$   
 [\_18602]  $2018 * X_{1\_49} + 2726 * X_{1\_50} + 1122 * X_{1\_51} + 860 * X_{1\_52} + 2210 * X_{1\_53}$   
 $+ 1540 * X_{1\_57} + 2018 * X_{1\_58} + 2210 * X_{1\_60} + 820 * X_{1\_61} + 1722 * X_{1\_62}$

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X_1_62 + 1086 * X_1_64 <= 3000;
[_18603] 1540 * X_1_57 + 2018 * X_1_58 + 2210 * X_1_60 + 820 * X_1_61
+ 1722 *
X_1_62 + 1086 * X_1_64 + 596 * X_1_65 + 1122 * X_1_66 + 2210 * X_1_67
+ 2726 *
X_1_69 + 860 * X_1_72 <= 3000;
[_18604] 596 * X_1_65 + 1122 * X_1_66 + 2210 * X_1_67 + 2726 * X_1_69
+ 860 *
X_1_72 + 1722 * X_1_73 + 820 * X_1_74 + 1086 * X_1_76 + 2018 * X_1_78
+ 2210 *
X_1_79 + 1540 * X_1_80 <= 3000;
[_18605] 1722 * X_1_73 + 820 * X_1_74 + 1086 * X_1_76 + 2018 * X_1_78
+ 2210 *
X_1_79 + 1540 * X_1_80 + 2726 * X_1_82 + 1122 * X_1_83 + 596 * X_1_85
+ 860 *
X_1_86 + 2210 * X_1_87 <= 3000;
[_18606] 2726 * X_1_82 + 1122 * X_1_83 + 596 * X_1_85 + 860 * X_1_86 +
2210 *
X_1_87 + 1086 * X_1_91 + 1722 * X_1_92 + 2210 * X_1_93 + 2018 *
X_1_95 + 820 *
X_1_96 <= 3000;
[_18607] 1086 * X_1_91 + 1722 * X_1_92 + 2210 * X_1_93 + 2018 * X_1_95
+ 820 *
X_1_96 + 596 * X_1_97 + 1122 * X_1_98 + 2726 * X_1_100 + 860 *
X_1_102 + 2210 *
X_1_103 + 1540 * X_1_104 <= 3000;
[_18608] 596 * X_1_97 + 1122 * X_1_98 + 2726 * X_1_100 + 860 * X_1_102
+ 2210 *
X_1_103 + 1540 * X_1_104 + 1722 * X_1_105 + 820 * X_1_106 + 1086 *
X_1_107 + 2018
* X_1_109 + 2210 * X_1_111 <= 3000;
[_18609] 1722 * X_1_105 + 820 * X_1_106 + 1086 * X_1_107 + 2018 *
X_1_109 + 2210 *
X_1_111 + 1540 * X_1_113 + 2210 * X_1_114 + 2726 * X_1_115 + 1122 *
X_1_118 + 596
* X_1_119 + 860 * X_1_120 <= 3000;
[_18610] 1540 * X_1_113 + 2210 * X_1_114 + 2726 * X_1_115 + 1122 *
X_1_118 + 596 *
X_1_119 + 860 * X_1_120 + 596 * X_1_121 + 820 * X_1_122 + 2210 *
X_1_124 + 1540 *
X_1_125 + 1122 * X_1_127 + 860 * X_1_128 <= 3000;
[_18611] 596 * X_1_121 + 820 * X_1_122 + 2210 * X_1_124 + 1540 *
X_1_125 + 1122 *
X_1_127 + 860 * X_1_128 + 2210 * X_1_129 + 1086 * X_1_131 + 2726 *
X_1_132 + 1722
* X_1_133 + 2018 * X_1_134 <= 3000;
[_18612] 2210 * X_1_129 + 1086 * X_1_131 + 2726 * X_1_132 + 1722 *
X_1_133 + 2018 *
X_1_134 + 1086 * X_1_137 + 1122 * X_1_140 + 1540 * X_1_141 + 820 *
X_1_142 + 2210
* X_1_143 + 596 * X_1_144 <= 3000;
[_18613] 1086 * X_1_137 + 1122 * X_1_140 + 1540 * X_1_141 + 820 *
X_1_142 + 2210 *
X_1_143 + 596 * X_1_144 + 860 * X_1_146 + 2726 * X_1_147 + 1122 *
X_1_149 + 2018 *
X_1_150 + 2210 * X_1_151 <= 3000;

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[\_18614] 860 \* X\_1\_146 + 2726 \* X\_1\_147 + 1122 \* X\_1\_149 + 2018 \*  
 X\_1\_150 + 2210 \*  
 X\_1\_151 + 2210 \* X\_1\_153 + 1086 \* X\_1\_154 + 820 \* X\_1\_155 + 596 \*  
 X\_1\_156 + 1722 \*  
 X\_1\_159 + 1540 \* X\_1\_160 <= 3000;  
 [\_18615] 2210 \* X\_1\_153 + 1086 \* X\_1\_154 + 820 \* X\_1\_155 + 596 \*  
 X\_1\_156 + 1722 \*  
 X\_1\_159 + 1540 \* X\_1\_160 + 860 \* X\_1\_163 + 1122 \* X\_1\_164 + 2726 \*  
 X\_1\_165 + 2018  
 \* X\_1\_166 + 2210 \* X\_1\_167 <= 3000;  
 [\_18616] 860 \* X\_1\_163 + 1122 \* X\_1\_164 + 2726 \* X\_1\_165 + 2018 \*  
 X\_1\_166 + 2210 \*  
 X\_1\_167 + 2210 \* X\_1\_171 + 1540 \* X\_1\_172 + 1722 \* X\_1\_173 + 596 \*  
 X\_1\_174 + 820 \*  
 X\_1\_175 + 1086 \* X\_1\_176 <= 3000;  
 [\_18617] 2210 \* X\_1\_171 + 1540 \* X\_1\_172 + 1722 \* X\_1\_173 + 596 \*  
 X\_1\_174 + 820 \*  
 X\_1\_175 + 1086 \* X\_1\_176 + 1122 \* X\_1\_177 + 2726 \* X\_1\_178 + 860 \*  
 X\_1\_179 + 596 \*  
 X\_1\_181 + 2210 \* X\_1\_183 <= 3000;  
 [\_18618] 1122 \* X\_1\_177 + 2726 \* X\_1\_178 + 860 \* X\_1\_179 + 596 \*  
 X\_1\_181 + 2210 \*  
 X\_1\_183 + 2210 \* X\_1\_185 + 2018 \* X\_1\_187 + 1540 \* X\_1\_188 + 1086 \*  
 X\_1\_189 + 1722  
 \* X\_1\_191 + 820 \* X\_1\_192 <= 3000;  
 [\_18619] 2210 \* X\_1\_185 + 2018 \* X\_1\_187 + 1540 \* X\_1\_188 + 1086 \*  
 X\_1\_189 + 1722 \*  
 X\_1\_191 + 820 \* X\_1\_192 + 860 \* X\_1\_193 + 1122 \* X\_1\_194 + 2210 \*  
 X\_1\_196 + 2726 \*  
 X\_1\_197 + 596 \* X\_1\_200 <= 3000;  
 [\_18620] 860 \* X\_1\_193 + 1122 \* X\_1\_194 + 2210 \* X\_1\_196 + 2726 \*  
 X\_1\_197 + 596 \*  
 X\_1\_200 + 2018 \* X\_1\_201 + 1722 \* X\_1\_202 + 1086 \* X\_1\_203 + 820 \*  
 X\_1\_204 + 1540  
 \* X\_1\_207 + 2210 \* X\_1\_208 <= 3000;  
 [\_18621] 2018 \* X\_1\_201 + 1722 \* X\_1\_202 + 1086 \* X\_1\_203 + 820 \*  
 X\_1\_204 + 1540 \*  
 X\_1\_207 + 2210 \* X\_1\_208 + 1122 \* X\_1\_210 + 596 \* X\_1\_212 + 2726 \*  
 X\_1\_213 + 2210  
 \* X\_1\_214 + 860 \* X\_1\_215 + 1540 \* X\_1\_216 <= 3000;  
 [\_18622] 1122 \* X\_1\_210 + 596 \* X\_1\_212 + 2726 \* X\_1\_213 + 2210 \*  
 X\_1\_214 + 860 \*  
 X\_1\_215 + 1540 \* X\_1\_216 + 1086 \* X\_1\_217 + 2018 \* X\_1\_218 + 1722 \*  
 X\_1\_221 + 2210  
 \* X\_1\_222 + 820 \* X\_1\_223 <= 3000;  
 [\_18623] 1086 \* X\_1\_217 + 2018 \* X\_1\_218 + 1722 \* X\_1\_221 + 2210 \*  
 X\_1\_222 + 820 \*  
 X\_1\_223 + 2210 \* X\_1\_225 + 1540 \* X\_1\_227 + 596 \* X\_1\_228 + 860 \*  
 X\_1\_230 + 1122 \*  
 X\_1\_231 + 2726 \* X\_1\_232 <= 3000;  
 [\_18624] 2210 \* X\_1\_225 + 1540 \* X\_1\_227 + 596 \* X\_1\_228 + 860 \*  
 X\_1\_230 + 1122 \*  
 X\_1\_231 + 2726 \* X\_1\_232 + 1722 \* X\_1\_233 + 820 \* X\_1\_235 + 1086 \*  
 X\_1\_236 + 2210  
 \* X\_1\_237 + 2018 \* X\_1\_239 <= 3000;  
 [\_18625] 2210 \* X\_2\_1 + 1086 \* X\_2\_2 + 1722 \* X\_2\_3 + 2018 \* X\_2\_4 +  
 2726 \* X\_2\_8 +

$2210 * X_{2\_9} + 860 * X_{2\_11} + 1122 * X_{2\_12} + 820 * X_{2\_13} + 1540 * X_{2\_14} + 596 * X_{2\_15} \leq 3000;$   
 [\_18626]  $2210 * X_{2\_9} + 860 * X_{2\_11} + 1122 * X_{2\_12} + 820 * X_{2\_13} + 1540 * X_{2\_14} + 596 * X_{2\_15} + 1722 * X_{2\_17} + 2726 * X_{2\_18} + 2018 * X_{2\_19} + 860 * X_{2\_20} + 2210 * X_{2\_21} \leq 3000;$   
 [\_18627]  $1722 * X_{2\_17} + 2726 * X_{2\_18} + 2018 * X_{2\_19} + 860 * X_{2\_20} + 2210 * X_{2\_21} + 1540 * X_{2\_25} + 596 * X_{2\_27} + 1086 * X_{2\_28} + 1722 * X_{2\_29} + 820 * X_{2\_30} + 2210 * X_{2\_32} \leq 3000;$   
 [\_18628]  $1540 * X_{2\_25} + 596 * X_{2\_27} + 1086 * X_{2\_28} + 1722 * X_{2\_29} + 820 * X_{2\_30} + 2210 * X_{2\_32} + 2726 * X_{2\_33} + 2018 * X_{2\_34} + 2210 * X_{2\_35} + 860 * X_{2\_36} + 1122 * X_{2\_37} \leq 3000;$   
 [\_18629]  $2726 * X_{2\_33} + 2018 * X_{2\_34} + 2210 * X_{2\_35} + 860 * X_{2\_36} + 1122 * X_{2\_37} + 2210 * X_{2\_43} + 596 * X_{2\_44} + 1540 * X_{2\_45} + 1722 * X_{2\_46} + 1086 * X_{2\_47} + 820 * X_{2\_48} \leq 3000;$   
 [\_18630]  $2210 * X_{2\_43} + 596 * X_{2\_44} + 1540 * X_{2\_45} + 1722 * X_{2\_46} + 1086 * X_{2\_47} + 820 * X_{2\_48} + 2018 * X_{2\_49} + 2726 * X_{2\_50} + 1122 * X_{2\_51} + 860 * X_{2\_52} + 2210 * X_{2\_53} \leq 3000;$   
 [\_18631]  $2018 * X_{2\_49} + 2726 * X_{2\_50} + 1122 * X_{2\_51} + 860 * X_{2\_52} + 2210 * X_{2\_53} + 1540 * X_{2\_57} + 2018 * X_{2\_58} + 2210 * X_{2\_60} + 820 * X_{2\_61} + 1722 * X_{2\_62} + 1086 * X_{2\_64} \leq 3000;$   
 [\_18632]  $1540 * X_{2\_57} + 2018 * X_{2\_58} + 2210 * X_{2\_60} + 820 * X_{2\_61} + 1722 * X_{2\_62} + 1086 * X_{2\_64} + 596 * X_{2\_65} + 1122 * X_{2\_66} + 2210 * X_{2\_67} + 2726 * X_{2\_69} + 860 * X_{2\_72} \leq 3000;$   
 [\_18633]  $596 * X_{2\_65} + 1122 * X_{2\_66} + 2210 * X_{2\_67} + 2726 * X_{2\_69} + 860 * X_{2\_72} + 1722 * X_{2\_73} + 820 * X_{2\_74} + 1086 * X_{2\_76} + 2018 * X_{2\_78} + 2210 * X_{2\_79} + 1540 * X_{2\_80} \leq 3000;$   
 [\_18634]  $1722 * X_{2\_73} + 820 * X_{2\_74} + 1086 * X_{2\_76} + 2018 * X_{2\_78} + 2210 * X_{2\_79} + 1540 * X_{2\_80} + 2726 * X_{2\_82} + 1122 * X_{2\_83} + 596 * X_{2\_85} + 860 * X_{2\_86} + 2210 * X_{2\_87} \leq 3000;$   
 [\_18635]  $2726 * X_{2\_82} + 1122 * X_{2\_83} + 596 * X_{2\_85} + 860 * X_{2\_86} + 2210 * X_{2\_87} + 1086 * X_{2\_91} + 1722 * X_{2\_92} + 2210 * X_{2\_93} + 2018 * X_{2\_95} + 820 * X_{2\_96} \leq 3000;$   
 [\_18636]  $1086 * X_{2\_91} + 1722 * X_{2\_92} + 2210 * X_{2\_93} + 2018 * X_{2\_95} + 820 * X_{2\_96} + 596 * X_{2\_97} + 1122 * X_{2\_98} + 2726 * X_{2\_100} + 860 * X_{2\_102} + 2210 * X_{2\_102} \leq 3000;$

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X_2_103 + 1540 * X_2_104 <= 3000;
[_18637] 596 * X_2_97 + 1122 * X_2_98 + 2726 * X_2_100 + 860 * X_2_102
+ 2210 *
X_2_103 + 1540 * X_2_104 + 1722 * X_2_105 + 820 * X_2_106 + 1086 *
X_2_107 + 2018
* X_2_109 + 2210 * X_2_111 <= 3000;
[_18638] 1722 * X_2_105 + 820 * X_2_106 + 1086 * X_2_107 + 2018 *
X_2_109 + 2210 *
X_2_111 + 1540 * X_2_113 + 2210 * X_2_114 + 2726 * X_2_115 + 1122 *
X_2_118 + 596
* X_2_119 + 860 * X_2_120 <= 3000;
[_18639] 1540 * X_2_113 + 2210 * X_2_114 + 2726 * X_2_115 + 1122 *
X_2_118 + 596 *
X_2_119 + 860 * X_2_120 + 596 * X_2_121 + 820 * X_2_122 + 2210 *
X_2_124 + 1540 *
X_2_125 + 1122 * X_2_127 + 860 * X_2_128 <= 3000;
[_18640] 596 * X_2_121 + 820 * X_2_122 + 2210 * X_2_124 + 1540 *
X_2_125 + 1122 *
X_2_127 + 860 * X_2_128 + 2210 * X_2_129 + 1086 * X_2_131 + 2726 *
X_2_132 + 1722
* X_2_133 + 2018 * X_2_134 <= 3000;
[_18641] 2210 * X_2_129 + 1086 * X_2_131 + 2726 * X_2_132 + 1722 *
X_2_133 + 2018 *
X_2_134 + 1086 * X_2_137 + 1122 * X_2_140 + 1540 * X_2_141 + 820 *
X_2_142 + 2210
* X_2_143 + 596 * X_2_144 <= 3000;
[_18642] 1086 * X_2_137 + 1122 * X_2_140 + 1540 * X_2_141 + 820 *
X_2_142 + 2210 *
X_2_143 + 596 * X_2_144 + 860 * X_2_146 + 2726 * X_2_147 + 1122 *
X_2_149 + 2018 *
X_2_150 + 2210 * X_2_151 <= 3000;
[_18643] 860 * X_2_146 + 2726 * X_2_147 + 1122 * X_2_149 + 2018 *
X_2_150 + 2210 *
X_2_151 + 2210 * X_2_153 + 1086 * X_2_154 + 820 * X_2_155 + 596 *
X_2_156 + 1722 *
X_2_159 + 1540 * X_2_160 <= 3000;
[_18644] 2210 * X_2_153 + 1086 * X_2_154 + 820 * X_2_155 + 596 *
X_2_156 + 1722 *
X_2_159 + 1540 * X_2_160 + 860 * X_2_163 + 1122 * X_2_164 + 2726 *
X_2_165 + 2018
* X_2_166 + 2210 * X_2_167 <= 3000;
[_18645] 860 * X_2_163 + 1122 * X_2_164 + 2726 * X_2_165 + 2018 *
X_2_166 + 2210 *
X_2_167 + 2210 * X_2_171 + 1540 * X_2_172 + 1722 * X_2_173 + 596 *
X_2_174 + 820 *
X_2_175 + 1086 * X_2_176 <= 3000;
[_18646] 2210 * X_2_171 + 1540 * X_2_172 + 1722 * X_2_173 + 596 *
X_2_174 + 820 *
X_2_175 + 1086 * X_2_176 + 1122 * X_2_177 + 2726 * X_2_178 + 860 *
X_2_179 + 596 *
X_2_181 + 2210 * X_2_183 <= 3000;
[_18647] 1122 * X_2_177 + 2726 * X_2_178 + 860 * X_2_179 + 596 *
X_2_181 + 2210 *
X_2_183 + 2210 * X_2_185 + 2018 * X_2_187 + 1540 * X_2_188 + 1086 *
X_2_189 + 1722
* X_2_191 + 820 * X_2_192 <= 3000;

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[_18648] 2210 * X_2_185 + 2018 * X_2_187 + 1540 * X_2_188 + 1086 *
X_2_189 + 1722 *
  X_2_191 + 820 * X_2_192 + 860 * X_2_193 + 1122 * X_2_194 + 2210 *
X_2_196 + 2726 *
  X_2_197 + 596 * X_2_200 <= 3000;
[_18649] 860 * X_2_193 + 1122 * X_2_194 + 2210 * X_2_196 + 2726 *
X_2_197 + 596 *
  X_2_200 + 2018 * X_2_201 + 1722 * X_2_202 + 1086 * X_2_203 + 820 *
X_2_204 + 1540
  * X_2_207 + 2210 * X_2_208 <= 3000;
[_18650] 2018 * X_2_201 + 1722 * X_2_202 + 1086 * X_2_203 + 820 *
X_2_204 + 1540 *
  X_2_207 + 2210 * X_2_208 + 1122 * X_2_210 + 596 * X_2_212 + 2726 *
X_2_213 + 2210
  * X_2_214 + 860 * X_2_215 + 1540 * X_2_216 <= 3000;
[_18651] 1122 * X_2_210 + 596 * X_2_212 + 2726 * X_2_213 + 2210 *
X_2_214 + 860 *
  X_2_215 + 1540 * X_2_216 + 1086 * X_2_217 + 2018 * X_2_218 + 1722 *
X_2_221 + 2210
  * X_2_222 + 820 * X_2_223 <= 3000;
[_18652] 1086 * X_2_217 + 2018 * X_2_218 + 1722 * X_2_221 + 2210 *
X_2_222 + 820 *
  X_2_223 + 2210 * X_2_225 + 1540 * X_2_227 + 596 * X_2_228 + 860 *
X_2_230 + 1122 *
  X_2_231 + 2726 * X_2_232 <= 3000;
[_18653] 2210 * X_2_225 + 1540 * X_2_227 + 596 * X_2_228 + 860 *
X_2_230 + 1122 *
  X_2_231 + 2726 * X_2_232 + 1722 * X_2_233 + 820 * X_2_235 + 1086 *
X_2_236 + 2210
  * X_2_237 + 2018 * X_2_239 <= 3000;
[_18654] 2210 * X_3_1 + 1086 * X_3_2 + 1722 * X_3_3 + 2018 * X_3_4 +
2726 * X_3_8 +
  2210 * X_3_9 + 860 * X_3_11 + 1122 * X_3_12 + 820 * X_3_13 + 1540 *
X_3_14 + 596 *
  X_3_15 <= 3000;
[_18655] 2210 * X_3_9 + 860 * X_3_11 + 1122 * X_3_12 + 820 * X_3_13 +
1540 * X_3_14
  + 596 * X_3_15 + 1722 * X_3_17 + 2726 * X_3_18 + 2018 * X_3_19 + 860
* X_3_20 +
  2210 * X_3_21 <= 3000;
[_18656] 1722 * X_3_17 + 2726 * X_3_18 + 2018 * X_3_19 + 860 * X_3_20
+ 2210 *
  X_3_21 + 1540 * X_3_25 + 596 * X_3_27 + 1086 * X_3_28 + 1722 * X_3_29
+ 820 *
  X_3_30 + 2210 * X_3_32 <= 3000;
[_18657] 1540 * X_3_25 + 596 * X_3_27 + 1086 * X_3_28 + 1722 * X_3_29
+ 820 *
  X_3_30 + 2210 * X_3_32 + 2726 * X_3_33 + 2018 * X_3_34 + 2210 *
X_3_35 + 860 *
  X_3_36 + 1122 * X_3_37 <= 3000;
[_18658] 2726 * X_3_33 + 2018 * X_3_34 + 2210 * X_3_35 + 860 * X_3_36
+ 1122 *
  X_3_37 + 2210 * X_3_43 + 596 * X_3_44 + 1540 * X_3_45 + 1722 * X_3_46
+ 1086 *
  X_3_47 + 820 * X_3_48 <= 3000;
[_18659] 2210 * X_3_43 + 596 * X_3_44 + 1540 * X_3_45 + 1722 * X_3_46
+ 1086 *

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X_3_47 + 820 * X_3_48 + 2018 * X_3_49 + 2726 * X_3_50 + 1122 * X_3_51
+ 860 *
X_3_52 + 2210 * X_3_53 <= 3000;
[_18660] 2018 * X_3_49 + 2726 * X_3_50 + 1122 * X_3_51 + 860 * X_3_52
+ 2210 *
X_3_53 + 1540 * X_3_57 + 2018 * X_3_58 + 2210 * X_3_60 + 820 * X_3_61
+ 1722 *
X_3_62 + 1086 * X_3_64 <= 3000;
[_18661] 1540 * X_3_57 + 2018 * X_3_58 + 2210 * X_3_60 + 820 * X_3_61
+ 1722 *
X_3_62 + 1086 * X_3_64 + 596 * X_3_65 + 1122 * X_3_66 + 2210 * X_3_67
+ 2726 *
X_3_69 + 860 * X_3_72 <= 3000;
[_18662] 596 * X_3_65 + 1122 * X_3_66 + 2210 * X_3_67 + 2726 * X_3_69
+ 860 *
X_3_72 + 1722 * X_3_73 + 820 * X_3_74 + 1086 * X_3_76 + 2018 * X_3_78
+ 2210 *
X_3_79 + 1540 * X_3_80 <= 3000;
[_18663] 1722 * X_3_73 + 820 * X_3_74 + 1086 * X_3_76 + 2018 * X_3_78
+ 2210 *
X_3_79 + 1540 * X_3_80 + 2726 * X_3_82 + 1122 * X_3_83 + 596 * X_3_85
+ 860 *
X_3_86 + 2210 * X_3_87 <= 3000;
[_18664] 2726 * X_3_82 + 1122 * X_3_83 + 596 * X_3_85 + 860 * X_3_86 +
2210 *
X_3_87 + 1086 * X_3_91 + 1722 * X_3_92 + 2210 * X_3_93 + 2018 *
X_3_95 + 820 *
X_3_96 <= 3000;
[_18665] 1086 * X_3_91 + 1722 * X_3_92 + 2210 * X_3_93 + 2018 * X_3_95
+ 820 *
X_3_96 + 596 * X_3_97 + 1122 * X_3_98 + 2726 * X_3_100 + 860 *
X_3_102 + 2210 *
X_3_103 + 1540 * X_3_104 <= 3000;
[_18666] 596 * X_3_97 + 1122 * X_3_98 + 2726 * X_3_100 + 860 * X_3_102
+ 2210 *
X_3_103 + 1540 * X_3_104 + 1722 * X_3_105 + 820 * X_3_106 + 1086 *
X_3_107 + 2018
* X_3_109 + 2210 * X_3_111 <= 3000;
[_18667] 1722 * X_3_105 + 820 * X_3_106 + 1086 * X_3_107 + 2018 *
X_3_109 + 2210 *
X_3_111 + 1540 * X_3_113 + 2210 * X_3_114 + 2726 * X_3_115 + 1122 *
X_3_118 + 596
* X_3_119 + 860 * X_3_120 <= 3000;
[_18668] 1540 * X_3_113 + 2210 * X_3_114 + 2726 * X_3_115 + 1122 *
X_3_118 + 596 *
X_3_119 + 860 * X_3_120 + 596 * X_3_121 + 820 * X_3_122 + 2210 *
X_3_124 + 1540 *
X_3_125 + 1122 * X_3_127 + 860 * X_3_128 <= 3000;
[_18669] 596 * X_3_121 + 820 * X_3_122 + 2210 * X_3_124 + 1540 *
X_3_125 + 1122 *
X_3_127 + 860 * X_3_128 + 2210 * X_3_129 + 1086 * X_3_131 + 2726 *
X_3_132 + 1722
* X_3_133 + 2018 * X_3_134 <= 3000;
[_18670] 2210 * X_3_129 + 1086 * X_3_131 + 2726 * X_3_132 + 1722 *
X_3_133 + 2018 *
X_3_134 + 1086 * X_3_137 + 1122 * X_3_140 + 1540 * X_3_141 + 820 *
X_3_142 + 2210

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* X_3_143 + 596 * X_3_144 <= 3000;
[_18671] 1086 * X_3_137 + 1122 * X_3_140 + 1540 * X_3_141 + 820 *
X_3_142 + 2210 *
X_3_143 + 596 * X_3_144 + 860 * X_3_146 + 2726 * X_3_147 + 1122 *
X_3_149 + 2018 *
X_3_150 + 2210 * X_3_151 <= 3000;
[_18672] 860 * X_3_146 + 2726 * X_3_147 + 1122 * X_3_149 + 2018 *
X_3_150 + 2210 *
X_3_151 + 2210 * X_3_153 + 1086 * X_3_154 + 820 * X_3_155 + 596 *
X_3_156 + 1722 *
X_3_159 + 1540 * X_3_160 <= 3000;
[_18673] 2210 * X_3_153 + 1086 * X_3_154 + 820 * X_3_155 + 596 *
X_3_156 + 1722 *
X_3_159 + 1540 * X_3_160 + 860 * X_3_163 + 1122 * X_3_164 + 2726 *
X_3_165 + 2018
* X_3_166 + 2210 * X_3_167 <= 3000;
[_18674] 860 * X_3_163 + 1122 * X_3_164 + 2726 * X_3_165 + 2018 *
X_3_166 + 2210 *
X_3_167 + 2210 * X_3_171 + 1540 * X_3_172 + 1722 * X_3_173 + 596 *
X_3_174 + 820 *
X_3_175 + 1086 * X_3_176 <= 3000;
[_18675] 2210 * X_3_171 + 1540 * X_3_172 + 1722 * X_3_173 + 596 *
X_3_174 + 820 *
X_3_175 + 1086 * X_3_176 + 1122 * X_3_177 + 2726 * X_3_178 + 860 *
X_3_179 + 596 *
X_3_181 + 2210 * X_3_183 <= 3000;
[_18676] 1122 * X_3_177 + 2726 * X_3_178 + 860 * X_3_179 + 596 *
X_3_181 + 2210 *
X_3_183 + 2210 * X_3_185 + 2018 * X_3_187 + 1540 * X_3_188 + 1086 *
X_3_189 + 1722
* X_3_191 + 820 * X_3_192 <= 3000;
[_18677] 2210 * X_3_185 + 2018 * X_3_187 + 1540 * X_3_188 + 1086 *
X_3_189 + 1722 *
X_3_191 + 820 * X_3_192 + 860 * X_3_193 + 1122 * X_3_194 + 2210 *
X_3_196 + 2726 *
X_3_197 + 596 * X_3_200 <= 3000;
[_18678] 860 * X_3_193 + 1122 * X_3_194 + 2210 * X_3_196 + 2726 *
X_3_197 + 596 *
X_3_200 + 2018 * X_3_201 + 1722 * X_3_202 + 1086 * X_3_203 + 820 *
X_3_204 + 1540
* X_3_207 + 2210 * X_3_208 <= 3000;
[_18679] 2018 * X_3_201 + 1722 * X_3_202 + 1086 * X_3_203 + 820 *
X_3_204 + 1540 *
X_3_207 + 2210 * X_3_208 + 1122 * X_3_210 + 596 * X_3_212 + 2726 *
X_3_213 + 2210
* X_3_214 + 860 * X_3_215 + 1540 * X_3_216 <= 3000;
[_18680] 1122 * X_3_210 + 596 * X_3_212 + 2726 * X_3_213 + 2210 *
X_3_214 + 860 *
X_3_215 + 1540 * X_3_216 + 1086 * X_3_217 + 2018 * X_3_218 + 1722 *
X_3_221 + 2210
* X_3_222 + 820 * X_3_223 <= 3000;
[_18681] 1086 * X_3_217 + 2018 * X_3_218 + 1722 * X_3_221 + 2210 *
X_3_222 + 820 *
X_3_223 + 2210 * X_3_225 + 1540 * X_3_227 + 596 * X_3_228 + 860 *
X_3_230 + 1122 *
X_3_231 + 2726 * X_3_232 <= 3000;

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[\_18682] 2210 \* X\_3\_225 + 1540 \* X\_3\_227 + 596 \* X\_3\_228 + 860 \*  
 X\_3\_230 + 1122 \*  
 X\_3\_231 + 2726 \* X\_3\_232 + 1722 \* X\_3\_233 + 820 \* X\_3\_235 + 1086 \*  
 X\_3\_236 + 2210  
 \* X\_3\_237 + 2018 \* X\_3\_239 <= 3000;  
 [\_18683] 2210 \* X\_4\_1 + 1086 \* X\_4\_2 + 1722 \* X\_4\_3 + 2018 \* X\_4\_4 +  
 2726 \* X\_4\_8 +  
 2210 \* X\_4\_9 + 860 \* X\_4\_11 + 1122 \* X\_4\_12 + 820 \* X\_4\_13 + 1540 \*  
 X\_4\_14 + 596 \*  
 X\_4\_15 <= 3000;  
 [\_18684] 2210 \* X\_4\_9 + 860 \* X\_4\_11 + 1122 \* X\_4\_12 + 820 \* X\_4\_13 +  
 1540 \* X\_4\_14  
 + 596 \* X\_4\_15 + 1722 \* X\_4\_17 + 2726 \* X\_4\_18 + 2018 \* X\_4\_19 + 860  
 \* X\_4\_20 +  
 2210 \* X\_4\_21 <= 3000;  
 [\_18685] 1722 \* X\_4\_17 + 2726 \* X\_4\_18 + 2018 \* X\_4\_19 + 860 \* X\_4\_20  
 + 2210 \*  
 X\_4\_21 + 1540 \* X\_4\_25 + 596 \* X\_4\_27 + 1086 \* X\_4\_28 + 1722 \* X\_4\_29  
 + 820 \*  
 X\_4\_30 + 2210 \* X\_4\_32 <= 3000;  
 [\_18686] 1540 \* X\_4\_25 + 596 \* X\_4\_27 + 1086 \* X\_4\_28 + 1722 \* X\_4\_29  
 + 820 \*  
 X\_4\_30 + 2210 \* X\_4\_32 + 2726 \* X\_4\_33 + 2018 \* X\_4\_34 + 2210 \*  
 X\_4\_35 + 860 \*  
 X\_4\_36 + 1122 \* X\_4\_37 <= 3000;  
 [\_18687] 2726 \* X\_4\_33 + 2018 \* X\_4\_34 + 2210 \* X\_4\_35 + 860 \* X\_4\_36  
 + 1122 \*  
 X\_4\_37 + 2210 \* X\_4\_43 + 596 \* X\_4\_44 + 1540 \* X\_4\_45 + 1722 \* X\_4\_46  
 + 1086 \*  
 X\_4\_47 + 820 \* X\_4\_48 <= 3000;  
 [\_18688] 2210 \* X\_4\_43 + 596 \* X\_4\_44 + 1540 \* X\_4\_45 + 1722 \* X\_4\_46  
 + 1086 \*  
 X\_4\_47 + 820 \* X\_4\_48 + 2018 \* X\_4\_49 + 2726 \* X\_4\_50 + 1122 \* X\_4\_51  
 + 860 \*  
 X\_4\_52 + 2210 \* X\_4\_53 <= 3000;  
 [\_18689] 2018 \* X\_4\_49 + 2726 \* X\_4\_50 + 1122 \* X\_4\_51 + 860 \* X\_4\_52  
 + 2210 \*  
 X\_4\_53 + 1540 \* X\_4\_57 + 2018 \* X\_4\_58 + 2210 \* X\_4\_60 + 820 \* X\_4\_61  
 + 1722 \*  
 X\_4\_62 + 1086 \* X\_4\_64 <= 3000;  
 [\_18690] 1540 \* X\_4\_57 + 2018 \* X\_4\_58 + 2210 \* X\_4\_60 + 820 \* X\_4\_61  
 + 1722 \*  
 X\_4\_62 + 1086 \* X\_4\_64 + 596 \* X\_4\_65 + 1122 \* X\_4\_66 + 2210 \* X\_4\_67  
 + 2726 \*  
 X\_4\_69 + 860 \* X\_4\_72 <= 3000;  
 [\_18691] 596 \* X\_4\_65 + 1122 \* X\_4\_66 + 2210 \* X\_4\_67 + 2726 \* X\_4\_69  
 + 860 \*  
 X\_4\_72 + 1722 \* X\_4\_73 + 820 \* X\_4\_74 + 1086 \* X\_4\_76 + 2018 \* X\_4\_78  
 + 2210 \*  
 X\_4\_79 + 1540 \* X\_4\_80 <= 3000;  
 [\_18692] 1722 \* X\_4\_73 + 820 \* X\_4\_74 + 1086 \* X\_4\_76 + 2018 \* X\_4\_78  
 + 2210 \*  
 X\_4\_79 + 1540 \* X\_4\_80 + 2726 \* X\_4\_82 + 1122 \* X\_4\_83 + 596 \* X\_4\_85  
 + 860 \*  
 X\_4\_86 + 2210 \* X\_4\_87 <= 3000;  
 [\_18693] 2726 \* X\_4\_82 + 1122 \* X\_4\_83 + 596 \* X\_4\_85 + 860 \* X\_4\_86 +  
 2210 \*

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X_4_87 + 1086 * X_4_91 + 1722 * X_4_92 + 2210 * X_4_93 + 2018 *
X_4_95 + 820 *
X_4_96 <= 3000;
[_18694] 1086 * X_4_91 + 1722 * X_4_92 + 2210 * X_4_93 + 2018 * X_4_95
+ 820 *
X_4_96 + 596 * X_4_97 + 1122 * X_4_98 + 2726 * X_4_100 + 860 *
X_4_102 + 2210 *
X_4_103 + 1540 * X_4_104 <= 3000;
[_18695] 596 * X_4_97 + 1122 * X_4_98 + 2726 * X_4_100 + 860 * X_4_102
+ 2210 *
X_4_103 + 1540 * X_4_104 + 1722 * X_4_105 + 820 * X_4_106 + 1086 *
X_4_107 + 2018
* X_4_109 + 2210 * X_4_111 <= 3000;
[_18696] 1722 * X_4_105 + 820 * X_4_106 + 1086 * X_4_107 + 2018 *
X_4_109 + 2210 *
X_4_111 + 1540 * X_4_113 + 2210 * X_4_114 + 2726 * X_4_115 + 1122 *
X_4_118 + 596
* X_4_119 + 860 * X_4_120 <= 3000;
[_18697] 1540 * X_4_113 + 2210 * X_4_114 + 2726 * X_4_115 + 1122 *
X_4_118 + 596 *
X_4_119 + 860 * X_4_120 + 596 * X_4_121 + 820 * X_4_122 + 2210 *
X_4_124 + 1540 *
X_4_125 + 1122 * X_4_127 + 860 * X_4_128 <= 3000;
[_18698] 596 * X_4_121 + 820 * X_4_122 + 2210 * X_4_124 + 1540 *
X_4_125 + 1122 *
X_4_127 + 860 * X_4_128 + 2210 * X_4_129 + 1086 * X_4_131 + 2726 *
X_4_132 + 1722
* X_4_133 + 2018 * X_4_134 <= 3000;
[_18699] 2210 * X_4_129 + 1086 * X_4_131 + 2726 * X_4_132 + 1722 *
X_4_133 + 2018 *
X_4_134 + 1086 * X_4_137 + 1122 * X_4_140 + 1540 * X_4_141 + 820 *
X_4_142 + 2210
* X_4_143 + 596 * X_4_144 <= 3000;
[_18700] 1086 * X_4_137 + 1122 * X_4_140 + 1540 * X_4_141 + 820 *
X_4_142 + 2210 *
X_4_143 + 596 * X_4_144 + 860 * X_4_146 + 2726 * X_4_147 + 1122 *
X_4_149 + 2018 *
X_4_150 + 2210 * X_4_151 <= 3000;
[_18701] 860 * X_4_146 + 2726 * X_4_147 + 1122 * X_4_149 + 2018 *
X_4_150 + 2210 *
X_4_151 + 2210 * X_4_153 + 1086 * X_4_154 + 820 * X_4_155 + 596 *
X_4_156 + 1722 *
X_4_159 + 1540 * X_4_160 <= 3000;
[_18702] 2210 * X_4_153 + 1086 * X_4_154 + 820 * X_4_155 + 596 *
X_4_156 + 1722 *
X_4_159 + 1540 * X_4_160 + 860 * X_4_163 + 1122 * X_4_164 + 2726 *
X_4_165 + 2018
* X_4_166 + 2210 * X_4_167 <= 3000;
[_18703] 860 * X_4_163 + 1122 * X_4_164 + 2726 * X_4_165 + 2018 *
X_4_166 + 2210 *
X_4_167 + 2210 * X_4_171 + 1540 * X_4_172 + 1722 * X_4_173 + 596 *
X_4_174 + 820 *
X_4_175 + 1086 * X_4_176 <= 3000;
[_18704] 2210 * X_4_171 + 1540 * X_4_172 + 1722 * X_4_173 + 596 *
X_4_174 + 820 *
X_4_175 + 1086 * X_4_176 + 1122 * X_4_177 + 2726 * X_4_178 + 860 *
X_4_179 + 596 *

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$X_{4\_181} + 2210 * X_{4\_183} \leq 3000;$   
 [\_18705]  $1122 * X_{4\_177} + 2726 * X_{4\_178} + 860 * X_{4\_179} + 596 * X_{4\_181} + 2210 * X_{4\_183} + 2210 * X_{4\_185} + 2018 * X_{4\_187} + 1540 * X_{4\_188} + 1086 * X_{4\_189} + 1722 * X_{4\_191} + 820 * X_{4\_192} \leq 3000;$   
 [\_18706]  $2210 * X_{4\_185} + 2018 * X_{4\_187} + 1540 * X_{4\_188} + 1086 * X_{4\_189} + 1722 * X_{4\_191} + 820 * X_{4\_192} + 860 * X_{4\_193} + 1122 * X_{4\_194} + 2210 * X_{4\_196} + 2726 * X_{4\_197} + 596 * X_{4\_200} \leq 3000;$   
 [\_18707]  $860 * X_{4\_193} + 1122 * X_{4\_194} + 2210 * X_{4\_196} + 2726 * X_{4\_197} + 596 * X_{4\_200} + 2018 * X_{4\_201} + 1722 * X_{4\_202} + 1086 * X_{4\_203} + 820 * X_{4\_204} + 1540 * X_{4\_207} + 2210 * X_{4\_208} \leq 3000;$   
 [\_18708]  $2018 * X_{4\_201} + 1722 * X_{4\_202} + 1086 * X_{4\_203} + 820 * X_{4\_204} + 1540 * X_{4\_207} + 2210 * X_{4\_208} + 1122 * X_{4\_210} + 596 * X_{4\_212} + 2726 * X_{4\_213} + 2210 * X_{4\_214} + 860 * X_{4\_215} + 1540 * X_{4\_216} \leq 3000;$   
 [\_18709]  $1122 * X_{4\_210} + 596 * X_{4\_212} + 2726 * X_{4\_213} + 2210 * X_{4\_214} + 860 * X_{4\_215} + 1540 * X_{4\_216} + 1086 * X_{4\_217} + 2018 * X_{4\_218} + 1722 * X_{4\_221} + 2210 * X_{4\_222} + 820 * X_{4\_223} \leq 3000;$   
 [\_18710]  $1086 * X_{4\_217} + 2018 * X_{4\_218} + 1722 * X_{4\_221} + 2210 * X_{4\_222} + 820 * X_{4\_223} + 2210 * X_{4\_225} + 1540 * X_{4\_227} + 596 * X_{4\_228} + 860 * X_{4\_230} + 1122 * X_{4\_231} + 2726 * X_{4\_232} \leq 3000;$   
 [\_18711]  $2210 * X_{4\_225} + 1540 * X_{4\_227} + 596 * X_{4\_228} + 860 * X_{4\_230} + 1122 * X_{4\_231} + 2726 * X_{4\_232} + 1722 * X_{4\_233} + 820 * X_{4\_235} + 1086 * X_{4\_236} + 2210 * X_{4\_237} + 2018 * X_{4\_239} \leq 3000;$   
 [\_18712]  $2210 * X_{5\_1} + 1086 * X_{5\_2} + 1722 * X_{5\_3} + 2018 * X_{5\_4} + 2726 * X_{5\_8} + 2210 * X_{5\_9} + 860 * X_{5\_11} + 1122 * X_{5\_12} + 820 * X_{5\_13} + 1540 * X_{5\_14} + 596 * X_{5\_15} \leq 3000;$   
 [\_18713]  $2210 * X_{5\_9} + 860 * X_{5\_11} + 1122 * X_{5\_12} + 820 * X_{5\_13} + 1540 * X_{5\_14} + 596 * X_{5\_15} + 1722 * X_{5\_17} + 2726 * X_{5\_18} + 2018 * X_{5\_19} + 860 * X_{5\_20} + 2210 * X_{5\_21} \leq 3000;$   
 [\_18714]  $1722 * X_{5\_17} + 2726 * X_{5\_18} + 2018 * X_{5\_19} + 860 * X_{5\_20} + 2210 * X_{5\_21} + 1540 * X_{5\_25} + 596 * X_{5\_27} + 1086 * X_{5\_28} + 1722 * X_{5\_29} + 820 * X_{5\_30} + 2210 * X_{5\_32} \leq 3000;$   
 [\_18715]  $1540 * X_{5\_25} + 596 * X_{5\_27} + 1086 * X_{5\_28} + 1722 * X_{5\_29} + 820 * X_{5\_30} + 2210 * X_{5\_32} + 2726 * X_{5\_33} + 2018 * X_{5\_34} + 2210 * X_{5\_35} + 860 * X_{5\_36} + 1122 * X_{5\_37} \leq 3000;$

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[_18716] 2726 * X_5_33 + 2018 * X_5_34 + 2210 * X_5_35 + 860 * X_5_36
+ 1122 *
X_5_37 + 2210 * X_5_43 + 596 * X_5_44 + 1540 * X_5_45 + 1722 * X_5_46
+ 1086 *
X_5_47 + 820 * X_5_48 <= 3000;
[_18717] 2210 * X_5_43 + 596 * X_5_44 + 1540 * X_5_45 + 1722 * X_5_46
+ 1086 *
X_5_47 + 820 * X_5_48 + 2018 * X_5_49 + 2726 * X_5_50 + 1122 * X_5_51
+ 860 *
X_5_52 + 2210 * X_5_53 <= 3000;
[_18718] 2018 * X_5_49 + 2726 * X_5_50 + 1122 * X_5_51 + 860 * X_5_52
+ 2210 *
X_5_53 + 1540 * X_5_57 + 2018 * X_5_58 + 2210 * X_5_60 + 820 * X_5_61
+ 1722 *
X_5_62 + 1086 * X_5_64 <= 3000;
[_18719] 1540 * X_5_57 + 2018 * X_5_58 + 2210 * X_5_60 + 820 * X_5_61
+ 1722 *
X_5_62 + 1086 * X_5_64 + 596 * X_5_65 + 1122 * X_5_66 + 2210 * X_5_67
+ 2726 *
X_5_69 + 860 * X_5_72 <= 3000;
[_18720] 596 * X_5_65 + 1122 * X_5_66 + 2210 * X_5_67 + 2726 * X_5_69
+ 860 *
X_5_72 + 1722 * X_5_73 + 820 * X_5_74 + 1086 * X_5_76 + 2018 * X_5_78
+ 2210 *
X_5_79 + 1540 * X_5_80 <= 3000;
[_18721] 1722 * X_5_73 + 820 * X_5_74 + 1086 * X_5_76 + 2018 * X_5_78
+ 2210 *
X_5_79 + 1540 * X_5_80 + 2726 * X_5_82 + 1122 * X_5_83 + 596 * X_5_85
+ 860 *
X_5_86 + 2210 * X_5_87 <= 3000;
[_18722] 2726 * X_5_82 + 1122 * X_5_83 + 596 * X_5_85 + 860 * X_5_86 +
2210 *
X_5_87 + 1086 * X_5_91 + 1722 * X_5_92 + 2210 * X_5_93 + 2018 *
X_5_95 + 820 *
X_5_96 <= 3000;
[_18723] 1086 * X_5_91 + 1722 * X_5_92 + 2210 * X_5_93 + 2018 * X_5_95
+ 820 *
X_5_96 + 596 * X_5_97 + 1122 * X_5_98 + 2726 * X_5_100 + 860 *
X_5_102 + 2210 *
X_5_103 + 1540 * X_5_104 <= 3000;
[_18724] 596 * X_5_97 + 1122 * X_5_98 + 2726 * X_5_100 + 860 * X_5_102
+ 2210 *
X_5_103 + 1540 * X_5_104 + 1722 * X_5_105 + 820 * X_5_106 + 1086 *
X_5_107 + 2018
* X_5_109 + 2210 * X_5_111 <= 3000;
[_18725] 1722 * X_5_105 + 820 * X_5_106 + 1086 * X_5_107 + 2018 *
X_5_109 + 2210 *
X_5_111 + 1540 * X_5_113 + 2210 * X_5_114 + 2726 * X_5_115 + 1122 *
X_5_118 + 596
* X_5_119 + 860 * X_5_120 <= 3000;
[_18726] 1540 * X_5_113 + 2210 * X_5_114 + 2726 * X_5_115 + 1122 *
X_5_118 + 596 *
X_5_119 + 860 * X_5_120 + 596 * X_5_121 + 820 * X_5_122 + 2210 *
X_5_124 + 1540 *
X_5_125 + 1122 * X_5_127 + 860 * X_5_128 <= 3000;
[_18727] 596 * X_5_121 + 820 * X_5_122 + 2210 * X_5_124 + 1540 *
X_5_125 + 1122 *

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$X_5_{127} + 860 * X_5_{128} + 2210 * X_5_{129} + 1086 * X_5_{131} + 2726 * X_5_{132} + 1722$   
 $* X_5_{133} + 2018 * X_5_{134} \leq 3000;$   
 [\_18728]  $2210 * X_5_{129} + 1086 * X_5_{131} + 2726 * X_5_{132} + 1722 * X_5_{133} + 2018 *$   
 $X_5_{134} + 1086 * X_5_{137} + 1122 * X_5_{140} + 1540 * X_5_{141} + 820 * X_5_{142} + 2210$   
 $* X_5_{143} + 596 * X_5_{144} \leq 3000;$   
 [\_18729]  $1086 * X_5_{137} + 1122 * X_5_{140} + 1540 * X_5_{141} + 820 * X_5_{142} + 2210 *$   
 $X_5_{143} + 596 * X_5_{144} + 860 * X_5_{146} + 2726 * X_5_{147} + 1122 * X_5_{149} + 2018 *$   
 $X_5_{150} + 2210 * X_5_{151} \leq 3000;$   
 [\_18730]  $860 * X_5_{146} + 2726 * X_5_{147} + 1122 * X_5_{149} + 2018 * X_5_{150} + 2210 *$   
 $X_5_{151} + 2210 * X_5_{153} + 1086 * X_5_{154} + 820 * X_5_{155} + 596 * X_5_{156} + 1722 *$   
 $X_5_{159} + 1540 * X_5_{160} \leq 3000;$   
 [\_18731]  $2210 * X_5_{153} + 1086 * X_5_{154} + 820 * X_5_{155} + 596 * X_5_{156} + 1722 *$   
 $X_5_{159} + 1540 * X_5_{160} + 860 * X_5_{163} + 1122 * X_5_{164} + 2726 * X_5_{165} + 2018$   
 $* X_5_{166} + 2210 * X_5_{167} \leq 3000;$   
 [\_18732]  $860 * X_5_{163} + 1122 * X_5_{164} + 2726 * X_5_{165} + 2018 * X_5_{166} + 2210 *$   
 $X_5_{167} + 2210 * X_5_{171} + 1540 * X_5_{172} + 1722 * X_5_{173} + 596 * X_5_{174} + 820 *$   
 $X_5_{175} + 1086 * X_5_{176} \leq 3000;$   
 [\_18733]  $2210 * X_5_{171} + 1540 * X_5_{172} + 1722 * X_5_{173} + 596 * X_5_{174} + 820 *$   
 $X_5_{175} + 1086 * X_5_{176} + 1122 * X_5_{177} + 2726 * X_5_{178} + 860 * X_5_{179} + 596 *$   
 $X_5_{181} + 2210 * X_5_{183} \leq 3000;$   
 [\_18734]  $1122 * X_5_{177} + 2726 * X_5_{178} + 860 * X_5_{179} + 596 * X_5_{181} + 2210 *$   
 $X_5_{183} + 2210 * X_5_{185} + 2018 * X_5_{187} + 1540 * X_5_{188} + 1086 * X_5_{189} + 1722$   
 $* X_5_{191} + 820 * X_5_{192} \leq 3000;$   
 [\_18735]  $2210 * X_5_{185} + 2018 * X_5_{187} + 1540 * X_5_{188} + 1086 * X_5_{189} + 1722 *$   
 $X_5_{191} + 820 * X_5_{192} + 860 * X_5_{193} + 1122 * X_5_{194} + 2210 * X_5_{196} + 2726 *$   
 $X_5_{197} + 596 * X_5_{200} \leq 3000;$   
 [\_18736]  $860 * X_5_{193} + 1122 * X_5_{194} + 2210 * X_5_{196} + 2726 * X_5_{197} + 596 *$   
 $X_5_{200} + 2018 * X_5_{201} + 1722 * X_5_{202} + 1086 * X_5_{203} + 820 * X_5_{204} + 1540$   
 $* X_5_{207} + 2210 * X_5_{208} \leq 3000;$   
 [\_18737]  $2018 * X_5_{201} + 1722 * X_5_{202} + 1086 * X_5_{203} + 820 * X_5_{204} + 1540 *$   
 $X_5_{207} + 2210 * X_5_{208} + 1122 * X_5_{210} + 596 * X_5_{212} + 2726 * X_5_{213} + 2210$   
 $* X_5_{214} + 860 * X_5_{215} + 1540 * X_5_{216} \leq 3000;$   
 [\_18738]  $1122 * X_5_{210} + 596 * X_5_{212} + 2726 * X_5_{213} + 2210 * X_5_{214} + 860 *$   
 $X_5_{215} + 1540 * X_5_{216} + 1086 * X_5_{217} + 2018 * X_5_{218} + 1722 * X_5_{221} + 2210$

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* X_5_222 + 820 * X_5_223 <= 3000;
[_18739] 1086 * X_5_217 + 2018 * X_5_218 + 1722 * X_5_221 + 2210 *
X_5_222 + 820 *
X_5_223 + 2210 * X_5_225 + 1540 * X_5_227 + 596 * X_5_228 + 860 *
X_5_230 + 1122 *
X_5_231 + 2726 * X_5_232 <= 3000;
[_18740] 2210 * X_5_225 + 1540 * X_5_227 + 596 * X_5_228 + 860 *
X_5_230 + 1122 *
X_5_231 + 2726 * X_5_232 + 1722 * X_5_233 + 820 * X_5_235 + 1086 *
X_5_236 + 2210
* X_5_237 + 2018 * X_5_239 <= 3000;
[_18741] 2210 * X_6_1 + 1086 * X_6_2 + 1722 * X_6_3 + 2018 * X_6_4 +
2726 * X_6_8 +
2210 * X_6_9 + 860 * X_6_11 + 1122 * X_6_12 + 820 * X_6_13 + 1540 *
X_6_14 + 596 *
X_6_15 <= 3000;
[_18742] 2210 * X_6_9 + 860 * X_6_11 + 1122 * X_6_12 + 820 * X_6_13 +
1540 * X_6_14
+ 596 * X_6_15 + 1722 * X_6_17 + 2726 * X_6_18 + 2018 * X_6_19 + 860
* X_6_20 +
2210 * X_6_21 <= 3000;
[_18743] 1722 * X_6_17 + 2726 * X_6_18 + 2018 * X_6_19 + 860 * X_6_20
+ 2210 *
X_6_21 + 1540 * X_6_25 + 596 * X_6_27 + 1086 * X_6_28 + 1722 * X_6_29
+ 820 *
X_6_30 + 2210 * X_6_32 <= 3000;
[_18744] 1540 * X_6_25 + 596 * X_6_27 + 1086 * X_6_28 + 1722 * X_6_29
+ 820 *
X_6_30 + 2210 * X_6_32 + 2726 * X_6_33 + 2018 * X_6_34 + 2210 *
X_6_35 + 860 *
X_6_36 + 1122 * X_6_37 <= 3000;
[_18745] 2726 * X_6_33 + 2018 * X_6_34 + 2210 * X_6_35 + 860 * X_6_36
+ 1122 *
X_6_37 + 2210 * X_6_43 + 596 * X_6_44 + 1540 * X_6_45 + 1722 * X_6_46
+ 1086 *
X_6_47 + 820 * X_6_48 <= 3000;
[_18746] 2210 * X_6_43 + 596 * X_6_44 + 1540 * X_6_45 + 1722 * X_6_46
+ 1086 *
X_6_47 + 820 * X_6_48 + 2018 * X_6_49 + 2726 * X_6_50 + 1122 * X_6_51
+ 860 *
X_6_52 + 2210 * X_6_53 <= 3000;
[_18747] 2018 * X_6_49 + 2726 * X_6_50 + 1122 * X_6_51 + 860 * X_6_52
+ 2210 *
X_6_53 + 1540 * X_6_57 + 2018 * X_6_58 + 2210 * X_6_60 + 820 * X_6_61
+ 1722 *
X_6_62 + 1086 * X_6_64 <= 3000;
[_18748] 1540 * X_6_57 + 2018 * X_6_58 + 2210 * X_6_60 + 820 * X_6_61
+ 1722 *
X_6_62 + 1086 * X_6_64 + 596 * X_6_65 + 1122 * X_6_66 + 2210 * X_6_67
+ 2726 *
X_6_69 + 860 * X_6_72 <= 3000;
[_18749] 596 * X_6_65 + 1122 * X_6_66 + 2210 * X_6_67 + 2726 * X_6_69
+ 860 *
X_6_72 + 1722 * X_6_73 + 820 * X_6_74 + 1086 * X_6_76 + 2018 * X_6_78
+ 2210 *
X_6_79 + 1540 * X_6_80 <= 3000;

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[\_18750] 1722 \* X\_6\_73 + 820 \* X\_6\_74 + 1086 \* X\_6\_76 + 2018 \* X\_6\_78  
 + 2210 \*  
 X\_6\_79 + 1540 \* X\_6\_80 + 2726 \* X\_6\_82 + 1122 \* X\_6\_83 + 596 \* X\_6\_85  
 + 860 \*  
 X\_6\_86 + 2210 \* X\_6\_87 <= 3000;  
 [\_18751] 2726 \* X\_6\_82 + 1122 \* X\_6\_83 + 596 \* X\_6\_85 + 860 \* X\_6\_86 +  
 2210 \*  
 X\_6\_87 + 1086 \* X\_6\_91 + 1722 \* X\_6\_92 + 2210 \* X\_6\_93 + 2018 \*  
 X\_6\_95 + 820 \*  
 X\_6\_96 <= 3000;  
 [\_18752] 1086 \* X\_6\_91 + 1722 \* X\_6\_92 + 2210 \* X\_6\_93 + 2018 \* X\_6\_95  
 + 820 \*  
 X\_6\_96 + 596 \* X\_6\_97 + 1122 \* X\_6\_98 + 2726 \* X\_6\_100 + 860 \*  
 X\_6\_102 + 2210 \*  
 X\_6\_103 + 1540 \* X\_6\_104 <= 3000;  
 [\_18753] 596 \* X\_6\_97 + 1122 \* X\_6\_98 + 2726 \* X\_6\_100 + 860 \* X\_6\_102  
 + 2210 \*  
 X\_6\_103 + 1540 \* X\_6\_104 + 1722 \* X\_6\_105 + 820 \* X\_6\_106 + 1086 \*  
 X\_6\_107 + 2018  
 \* X\_6\_109 + 2210 \* X\_6\_111 <= 3000;  
 [\_18754] 1722 \* X\_6\_105 + 820 \* X\_6\_106 + 1086 \* X\_6\_107 + 2018 \*  
 X\_6\_109 + 2210 \*  
 X\_6\_111 + 1540 \* X\_6\_113 + 2210 \* X\_6\_114 + 2726 \* X\_6\_115 + 1122 \*  
 X\_6\_118 + 596  
 \* X\_6\_119 + 860 \* X\_6\_120 <= 3000;  
 [\_18755] 1540 \* X\_6\_113 + 2210 \* X\_6\_114 + 2726 \* X\_6\_115 + 1122 \*  
 X\_6\_118 + 596 \*  
 X\_6\_119 + 860 \* X\_6\_120 + 596 \* X\_6\_121 + 820 \* X\_6\_122 + 2210 \*  
 X\_6\_124 + 1540 \*  
 X\_6\_125 + 1122 \* X\_6\_127 + 860 \* X\_6\_128 <= 3000;  
 [\_18756] 596 \* X\_6\_121 + 820 \* X\_6\_122 + 2210 \* X\_6\_124 + 1540 \*  
 X\_6\_125 + 1122 \*  
 X\_6\_127 + 860 \* X\_6\_128 + 2210 \* X\_6\_129 + 1086 \* X\_6\_131 + 2726 \*  
 X\_6\_132 + 1722  
 \* X\_6\_133 + 2018 \* X\_6\_134 <= 3000;  
 [\_18757] 2210 \* X\_6\_129 + 1086 \* X\_6\_131 + 2726 \* X\_6\_132 + 1722 \*  
 X\_6\_133 + 2018 \*  
 X\_6\_134 + 1086 \* X\_6\_137 + 1122 \* X\_6\_140 + 1540 \* X\_6\_141 + 820 \*  
 X\_6\_142 + 2210  
 \* X\_6\_143 + 596 \* X\_6\_144 <= 3000;  
 [\_18758] 1086 \* X\_6\_137 + 1122 \* X\_6\_140 + 1540 \* X\_6\_141 + 820 \*  
 X\_6\_142 + 2210 \*  
 X\_6\_143 + 596 \* X\_6\_144 + 860 \* X\_6\_146 + 2726 \* X\_6\_147 + 1122 \*  
 X\_6\_149 + 2018 \*  
 X\_6\_150 + 2210 \* X\_6\_151 <= 3000;  
 [\_18759] 860 \* X\_6\_146 + 2726 \* X\_6\_147 + 1122 \* X\_6\_149 + 2018 \*  
 X\_6\_150 + 2210 \*  
 X\_6\_151 + 2210 \* X\_6\_153 + 1086 \* X\_6\_154 + 820 \* X\_6\_155 + 596 \*  
 X\_6\_156 + 1722 \*  
 X\_6\_159 + 1540 \* X\_6\_160 <= 3000;  
 [\_18760] 2210 \* X\_6\_153 + 1086 \* X\_6\_154 + 820 \* X\_6\_155 + 596 \*  
 X\_6\_156 + 1722 \*  
 X\_6\_159 + 1540 \* X\_6\_160 + 860 \* X\_6\_163 + 1122 \* X\_6\_164 + 2726 \*  
 X\_6\_165 + 2018  
 \* X\_6\_166 + 2210 \* X\_6\_167 <= 3000;  
 [\_18761] 860 \* X\_6\_163 + 1122 \* X\_6\_164 + 2726 \* X\_6\_165 + 2018 \*  
 X\_6\_166 + 2210 \*

$X_{6\_167} + 2210 * X_{6\_171} + 1540 * X_{6\_172} + 1722 * X_{6\_173} + 596 * X_{6\_174} + 820 *$   
 $X_{6\_175} + 1086 * X_{6\_176} \leq 3000;$   
 [\_18762]  $2210 * X_{6\_171} + 1540 * X_{6\_172} + 1722 * X_{6\_173} + 596 * X_{6\_174} + 820 *$   
 $X_{6\_175} + 1086 * X_{6\_176} + 1122 * X_{6\_177} + 2726 * X_{6\_178} + 860 * X_{6\_179} + 596 *$   
 $X_{6\_181} + 2210 * X_{6\_183} \leq 3000;$   
 [\_18763]  $1122 * X_{6\_177} + 2726 * X_{6\_178} + 860 * X_{6\_179} + 596 * X_{6\_181} + 2210 *$   
 $X_{6\_183} + 2210 * X_{6\_185} + 2018 * X_{6\_187} + 1540 * X_{6\_188} + 1086 * X_{6\_189} + 1722$   
 $* X_{6\_191} + 820 * X_{6\_192} \leq 3000;$   
 [\_18764]  $2210 * X_{6\_185} + 2018 * X_{6\_187} + 1540 * X_{6\_188} + 1086 * X_{6\_189} + 1722 *$   
 $X_{6\_191} + 820 * X_{6\_192} + 860 * X_{6\_193} + 1122 * X_{6\_194} + 2210 * X_{6\_196} + 2726 *$   
 $X_{6\_197} + 596 * X_{6\_200} \leq 3000;$   
 [\_18765]  $860 * X_{6\_193} + 1122 * X_{6\_194} + 2210 * X_{6\_196} + 2726 * X_{6\_197} + 596 *$   
 $X_{6\_200} + 2018 * X_{6\_201} + 1722 * X_{6\_202} + 1086 * X_{6\_203} + 820 * X_{6\_204} + 1540$   
 $* X_{6\_207} + 2210 * X_{6\_208} \leq 3000;$   
 [\_18766]  $2018 * X_{6\_201} + 1722 * X_{6\_202} + 1086 * X_{6\_203} + 820 * X_{6\_204} + 1540 *$   
 $X_{6\_207} + 2210 * X_{6\_208} + 1122 * X_{6\_210} + 596 * X_{6\_212} + 2726 * X_{6\_213} + 2210$   
 $* X_{6\_214} + 860 * X_{6\_215} + 1540 * X_{6\_216} \leq 3000;$   
 [\_18767]  $1122 * X_{6\_210} + 596 * X_{6\_212} + 2726 * X_{6\_213} + 2210 * X_{6\_214} + 860 *$   
 $X_{6\_215} + 1540 * X_{6\_216} + 1086 * X_{6\_217} + 2018 * X_{6\_218} + 1722 * X_{6\_221} + 2210$   
 $* X_{6\_222} + 820 * X_{6\_223} \leq 3000;$   
 [\_18768]  $1086 * X_{6\_217} + 2018 * X_{6\_218} + 1722 * X_{6\_221} + 2210 * X_{6\_222} + 820 *$   
 $X_{6\_223} + 2210 * X_{6\_225} + 1540 * X_{6\_227} + 596 * X_{6\_228} + 860 * X_{6\_230} + 1122 *$   
 $X_{6\_231} + 2726 * X_{6\_232} \leq 3000;$   
 [\_18769]  $2210 * X_{6\_225} + 1540 * X_{6\_227} + 596 * X_{6\_228} + 860 * X_{6\_230} + 1122 *$   
 $X_{6\_231} + 2726 * X_{6\_232} + 1722 * X_{6\_233} + 820 * X_{6\_235} + 1086 * X_{6\_236} + 2210$   
 $* X_{6\_237} + 2018 * X_{6\_239} \leq 3000;$   
 [\_18770]  $2210 * X_{7\_1} + 1086 * X_{7\_2} + 1722 * X_{7\_3} + 2018 * X_{7\_4} + 2726 * X_{7\_8} +$   
 $2210 * X_{7\_9} + 860 * X_{7\_11} + 1122 * X_{7\_12} + 820 * X_{7\_13} + 1540 * X_{7\_14} + 596 *$   
 $X_{7\_15} \leq 3000;$   
 [\_18771]  $2210 * X_{7\_9} + 860 * X_{7\_11} + 1122 * X_{7\_12} + 820 * X_{7\_13} + 1540 * X_{7\_14}$   
 $+ 596 * X_{7\_15} + 1722 * X_{7\_17} + 2726 * X_{7\_18} + 2018 * X_{7\_19} + 860 * X_{7\_20} +$   
 $2210 * X_{7\_21} \leq 3000;$   
 [\_18772]  $1722 * X_{7\_17} + 2726 * X_{7\_18} + 2018 * X_{7\_19} + 860 * X_{7\_20} + 2210 *$   
 $X_{7\_21} + 1540 * X_{7\_25} + 596 * X_{7\_27} + 1086 * X_{7\_28} + 1722 * X_{7\_29} + 820 *$

$X_{7\_30} + 2210 * X_{7\_32} \leq 3000;$   
 [\_18773]  $1540 * X_{7\_25} + 596 * X_{7\_27} + 1086 * X_{7\_28} + 1722 * X_{7\_29}$   
 $+ 820 *$   
 $X_{7\_30} + 2210 * X_{7\_32} + 2726 * X_{7\_33} + 2018 * X_{7\_34} + 2210 *$   
 $X_{7\_35} + 860 *$   
 $X_{7\_36} + 1122 * X_{7\_37} \leq 3000;$   
 [\_18774]  $2726 * X_{7\_33} + 2018 * X_{7\_34} + 2210 * X_{7\_35} + 860 * X_{7\_36}$   
 $+ 1122 *$   
 $X_{7\_37} + 2210 * X_{7\_43} + 596 * X_{7\_44} + 1540 * X_{7\_45} + 1722 * X_{7\_46}$   
 $+ 1086 *$   
 $X_{7\_47} + 820 * X_{7\_48} \leq 3000;$   
 [\_18775]  $2210 * X_{7\_43} + 596 * X_{7\_44} + 1540 * X_{7\_45} + 1722 * X_{7\_46}$   
 $+ 1086 *$   
 $X_{7\_47} + 820 * X_{7\_48} + 2018 * X_{7\_49} + 2726 * X_{7\_50} + 1122 * X_{7\_51}$   
 $+ 860 *$   
 $X_{7\_52} + 2210 * X_{7\_53} \leq 3000;$   
 [\_18776]  $2018 * X_{7\_49} + 2726 * X_{7\_50} + 1122 * X_{7\_51} + 860 * X_{7\_52}$   
 $+ 2210 *$   
 $X_{7\_53} + 1540 * X_{7\_57} + 2018 * X_{7\_58} + 2210 * X_{7\_60} + 820 * X_{7\_61}$   
 $+ 1722 *$   
 $X_{7\_62} + 1086 * X_{7\_64} \leq 3000;$   
 [\_18777]  $1540 * X_{7\_57} + 2018 * X_{7\_58} + 2210 * X_{7\_60} + 820 * X_{7\_61}$   
 $+ 1722 *$   
 $X_{7\_62} + 1086 * X_{7\_64} + 596 * X_{7\_65} + 1122 * X_{7\_66} + 2210 * X_{7\_67}$   
 $+ 2726 *$   
 $X_{7\_69} + 860 * X_{7\_72} \leq 3000;$   
 [\_18778]  $596 * X_{7\_65} + 1122 * X_{7\_66} + 2210 * X_{7\_67} + 2726 * X_{7\_69}$   
 $+ 860 *$   
 $X_{7\_72} + 1722 * X_{7\_73} + 820 * X_{7\_74} + 1086 * X_{7\_76} + 2018 * X_{7\_78}$   
 $+ 2210 *$   
 $X_{7\_79} + 1540 * X_{7\_80} \leq 3000;$   
 [\_18779]  $1722 * X_{7\_73} + 820 * X_{7\_74} + 1086 * X_{7\_76} + 2018 * X_{7\_78}$   
 $+ 2210 *$   
 $X_{7\_79} + 1540 * X_{7\_80} + 2726 * X_{7\_82} + 1122 * X_{7\_83} + 596 * X_{7\_85}$   
 $+ 860 *$   
 $X_{7\_86} + 2210 * X_{7\_87} \leq 3000;$   
 [\_18780]  $2726 * X_{7\_82} + 1122 * X_{7\_83} + 596 * X_{7\_85} + 860 * X_{7\_86} +$   
 $2210 *$   
 $X_{7\_87} + 1086 * X_{7\_91} + 1722 * X_{7\_92} + 2210 * X_{7\_93} + 2018 *$   
 $X_{7\_95} + 820 *$   
 $X_{7\_96} \leq 3000;$   
 [\_18781]  $1086 * X_{7\_91} + 1722 * X_{7\_92} + 2210 * X_{7\_93} + 2018 * X_{7\_95}$   
 $+ 820 *$   
 $X_{7\_96} + 596 * X_{7\_97} + 1122 * X_{7\_98} + 2726 * X_{7\_100} + 860 *$   
 $X_{7\_102} + 2210 *$   
 $X_{7\_103} + 1540 * X_{7\_104} \leq 3000;$   
 [\_18782]  $596 * X_{7\_97} + 1122 * X_{7\_98} + 2726 * X_{7\_100} + 860 * X_{7\_102}$   
 $+ 2210 *$   
 $X_{7\_103} + 1540 * X_{7\_104} + 1722 * X_{7\_105} + 820 * X_{7\_106} + 1086 *$   
 $X_{7\_107} + 2018$   
 $* X_{7\_109} + 2210 * X_{7\_111} \leq 3000;$   
 [\_18783]  $1722 * X_{7\_105} + 820 * X_{7\_106} + 1086 * X_{7\_107} + 2018 *$   
 $X_{7\_109} + 2210 *$   
 $X_{7\_111} + 1540 * X_{7\_113} + 2210 * X_{7\_114} + 2726 * X_{7\_115} + 1122 *$   
 $X_{7\_118} + 596$   
 $* X_{7\_119} + 860 * X_{7\_120} \leq 3000;$

[\_18784] 1540 \* X\_7\_113 + 2210 \* X\_7\_114 + 2726 \* X\_7\_115 + 1122 \*  
 X\_7\_118 + 596 \*  
 X\_7\_119 + 860 \* X\_7\_120 + 596 \* X\_7\_121 + 820 \* X\_7\_122 + 2210 \*  
 X\_7\_124 + 1540 \*  
 X\_7\_125 + 1122 \* X\_7\_127 + 860 \* X\_7\_128 <= 3000;  
 [\_18785] 596 \* X\_7\_121 + 820 \* X\_7\_122 + 2210 \* X\_7\_124 + 1540 \*  
 X\_7\_125 + 1122 \*  
 X\_7\_127 + 860 \* X\_7\_128 + 2210 \* X\_7\_129 + 1086 \* X\_7\_131 + 2726 \*  
 X\_7\_132 + 1722  
 \* X\_7\_133 + 2018 \* X\_7\_134 <= 3000;  
 [\_18786] 2210 \* X\_7\_129 + 1086 \* X\_7\_131 + 2726 \* X\_7\_132 + 1722 \*  
 X\_7\_133 + 2018 \*  
 X\_7\_134 + 1086 \* X\_7\_137 + 1122 \* X\_7\_140 + 1540 \* X\_7\_141 + 820 \*  
 X\_7\_142 + 2210  
 \* X\_7\_143 + 596 \* X\_7\_144 <= 3000;  
 [\_18787] 1086 \* X\_7\_137 + 1122 \* X\_7\_140 + 1540 \* X\_7\_141 + 820 \*  
 X\_7\_142 + 2210 \*  
 X\_7\_143 + 596 \* X\_7\_144 + 860 \* X\_7\_146 + 2726 \* X\_7\_147 + 1122 \*  
 X\_7\_149 + 2018 \*  
 X\_7\_150 + 2210 \* X\_7\_151 <= 3000;  
 [\_18788] 860 \* X\_7\_146 + 2726 \* X\_7\_147 + 1122 \* X\_7\_149 + 2018 \*  
 X\_7\_150 + 2210 \*  
 X\_7\_151 + 2210 \* X\_7\_153 + 1086 \* X\_7\_154 + 820 \* X\_7\_155 + 596 \*  
 X\_7\_156 + 1722 \*  
 X\_7\_159 + 1540 \* X\_7\_160 <= 3000;  
 [\_18789] 2210 \* X\_7\_153 + 1086 \* X\_7\_154 + 820 \* X\_7\_155 + 596 \*  
 X\_7\_156 + 1722 \*  
 X\_7\_159 + 1540 \* X\_7\_160 + 860 \* X\_7\_163 + 1122 \* X\_7\_164 + 2726 \*  
 X\_7\_165 + 2018  
 \* X\_7\_166 + 2210 \* X\_7\_167 <= 3000;  
 [\_18790] 860 \* X\_7\_163 + 1122 \* X\_7\_164 + 2726 \* X\_7\_165 + 2018 \*  
 X\_7\_166 + 2210 \*  
 X\_7\_167 + 2210 \* X\_7\_171 + 1540 \* X\_7\_172 + 1722 \* X\_7\_173 + 596 \*  
 X\_7\_174 + 820 \*  
 X\_7\_175 + 1086 \* X\_7\_176 <= 3000;  
 [\_18791] 2210 \* X\_7\_171 + 1540 \* X\_7\_172 + 1722 \* X\_7\_173 + 596 \*  
 X\_7\_174 + 820 \*  
 X\_7\_175 + 1086 \* X\_7\_176 + 1122 \* X\_7\_177 + 2726 \* X\_7\_178 + 860 \*  
 X\_7\_179 + 596 \*  
 X\_7\_181 + 2210 \* X\_7\_183 <= 3000;  
 [\_18792] 1122 \* X\_7\_177 + 2726 \* X\_7\_178 + 860 \* X\_7\_179 + 596 \*  
 X\_7\_181 + 2210 \*  
 X\_7\_183 + 2210 \* X\_7\_185 + 2018 \* X\_7\_187 + 1540 \* X\_7\_188 + 1086 \*  
 X\_7\_189 + 1722  
 \* X\_7\_191 + 820 \* X\_7\_192 <= 3000;  
 [\_18793] 2210 \* X\_7\_185 + 2018 \* X\_7\_187 + 1540 \* X\_7\_188 + 1086 \*  
 X\_7\_189 + 1722 \*  
 X\_7\_191 + 820 \* X\_7\_192 + 860 \* X\_7\_193 + 1122 \* X\_7\_194 + 2210 \*  
 X\_7\_196 + 2726 \*  
 X\_7\_197 + 596 \* X\_7\_200 <= 3000;  
 [\_18794] 860 \* X\_7\_193 + 1122 \* X\_7\_194 + 2210 \* X\_7\_196 + 2726 \*  
 X\_7\_197 + 596 \*  
 X\_7\_200 + 2018 \* X\_7\_201 + 1722 \* X\_7\_202 + 1086 \* X\_7\_203 + 820 \*  
 X\_7\_204 + 1540  
 \* X\_7\_207 + 2210 \* X\_7\_208 <= 3000;  
 [\_18795] 2018 \* X\_7\_201 + 1722 \* X\_7\_202 + 1086 \* X\_7\_203 + 820 \*  
 X\_7\_204 + 1540 \*

$X_7_{207} + 2210 * X_7_{208} + 1122 * X_7_{210} + 596 * X_7_{212} + 2726 * X_7_{213} + 2210$   
 $* X_7_{214} + 860 * X_7_{215} + 1540 * X_7_{216} \leq 3000;$   
 [\_18796]  $1122 * X_7_{210} + 596 * X_7_{212} + 2726 * X_7_{213} + 2210 * X_7_{214} + 860 * X_7_{215} + 1540 * X_7_{216} + 1086 * X_7_{217} + 2018 * X_7_{218} + 1722 * X_7_{221} + 2210$   
 $* X_7_{222} + 820 * X_7_{223} \leq 3000;$   
 [\_18797]  $1086 * X_7_{217} + 2018 * X_7_{218} + 1722 * X_7_{221} + 2210 * X_7_{222} + 820 * X_7_{223} + 2210 * X_7_{225} + 1540 * X_7_{227} + 596 * X_7_{228} + 860 * X_7_{230} + 1122 * X_7_{231} + 2726 * X_7_{232} \leq 3000;$   
 [\_18798]  $2210 * X_7_{225} + 1540 * X_7_{227} + 596 * X_7_{228} + 860 * X_7_{230} + 1122 * X_7_{231} + 2726 * X_7_{232} + 1722 * X_7_{233} + 820 * X_7_{235} + 1086 * X_7_{236} + 2210$   
 $* X_7_{237} + 2018 * X_7_{239} \leq 3000;$   
 [\_18799]  $2210 * X_8_1 + 1086 * X_8_2 + 1722 * X_8_3 + 2018 * X_8_4 + 2726 * X_8_8 + 2210 * X_8_9 + 860 * X_8_{11} + 1122 * X_8_{12} + 820 * X_8_{13} + 1540 * X_8_{14} + 596 * X_8_{15} \leq 3000;$   
 [\_18800]  $2210 * X_8_9 + 860 * X_8_{11} + 1122 * X_8_{12} + 820 * X_8_{13} + 1540 * X_8_{14} + 596 * X_8_{15} + 1722 * X_8_{17} + 2726 * X_8_{18} + 2018 * X_8_{19} + 860 * X_8_{20} + 2210 * X_8_{21} \leq 3000;$   
 [\_18801]  $1722 * X_8_{17} + 2726 * X_8_{18} + 2018 * X_8_{19} + 860 * X_8_{20} + 2210 * X_8_{21} + 1540 * X_8_{25} + 596 * X_8_{27} + 1086 * X_8_{28} + 1722 * X_8_{29} + 820 * X_8_{30} + 2210 * X_8_{32} \leq 3000;$   
 [\_18802]  $1540 * X_8_{25} + 596 * X_8_{27} + 1086 * X_8_{28} + 1722 * X_8_{29} + 820 * X_8_{30} + 2210 * X_8_{32} + 2726 * X_8_{33} + 2018 * X_8_{34} + 2210 * X_8_{35} + 860 * X_8_{36} + 1122 * X_8_{37} \leq 3000;$   
 [\_18803]  $2726 * X_8_{33} + 2018 * X_8_{34} + 2210 * X_8_{35} + 860 * X_8_{36} + 1122 * X_8_{37} + 2210 * X_8_{43} + 596 * X_8_{44} + 1540 * X_8_{45} + 1722 * X_8_{46} + 1086 * X_8_{47} + 820 * X_8_{48} \leq 3000;$   
 [\_18804]  $2210 * X_8_{43} + 596 * X_8_{44} + 1540 * X_8_{45} + 1722 * X_8_{46} + 1086 * X_8_{47} + 820 * X_8_{48} + 2018 * X_8_{49} + 2726 * X_8_{50} + 1122 * X_8_{51} + 860 * X_8_{52} + 2210 * X_8_{53} \leq 3000;$   
 [\_18805]  $2018 * X_8_{49} + 2726 * X_8_{50} + 1122 * X_8_{51} + 860 * X_8_{52} + 2210 * X_8_{53} + 1540 * X_8_{57} + 2018 * X_8_{58} + 2210 * X_8_{60} + 820 * X_8_{61} + 1722 * X_8_{62} + 1086 * X_8_{64} \leq 3000;$   
 [\_18806]  $1540 * X_8_{57} + 2018 * X_8_{58} + 2210 * X_8_{60} + 820 * X_8_{61} + 1722 * X_8_{62} + 1086 * X_8_{64} + 596 * X_8_{65} + 1122 * X_8_{66} + 2210 * X_8_{67} + 2726 * X_8_{68}$

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X_8_69 + 860 * X_8_72 <= 3000;
[_18807] 596 * X_8_65 + 1122 * X_8_66 + 2210 * X_8_67 + 2726 * X_8_69
+ 860 *
X_8_72 + 1722 * X_8_73 + 820 * X_8_74 + 1086 * X_8_76 + 2018 * X_8_78
+ 2210 *
X_8_79 + 1540 * X_8_80 <= 3000;
[_18808] 1722 * X_8_73 + 820 * X_8_74 + 1086 * X_8_76 + 2018 * X_8_78
+ 2210 *
X_8_79 + 1540 * X_8_80 + 2726 * X_8_82 + 1122 * X_8_83 + 596 * X_8_85
+ 860 *
X_8_86 + 2210 * X_8_87 <= 3000;
[_18809] 2726 * X_8_82 + 1122 * X_8_83 + 596 * X_8_85 + 860 * X_8_86 +
2210 *
X_8_87 + 1086 * X_8_91 + 1722 * X_8_92 + 2210 * X_8_93 + 2018 *
X_8_95 + 820 *
X_8_96 <= 3000;
[_18810] 1086 * X_8_91 + 1722 * X_8_92 + 2210 * X_8_93 + 2018 * X_8_95
+ 820 *
X_8_96 + 596 * X_8_97 + 1122 * X_8_98 + 2726 * X_8_100 + 860 *
X_8_102 + 2210 *
X_8_103 + 1540 * X_8_104 <= 3000;
[_18811] 596 * X_8_97 + 1122 * X_8_98 + 2726 * X_8_100 + 860 * X_8_102
+ 2210 *
X_8_103 + 1540 * X_8_104 + 1722 * X_8_105 + 820 * X_8_106 + 1086 *
X_8_107 + 2018
* X_8_109 + 2210 * X_8_111 <= 3000;
[_18812] 1722 * X_8_105 + 820 * X_8_106 + 1086 * X_8_107 + 2018 *
X_8_109 + 2210 *
X_8_111 + 1540 * X_8_113 + 2210 * X_8_114 + 2726 * X_8_115 + 1122 *
X_8_118 + 596
* X_8_119 + 860 * X_8_120 <= 3000;
[_18813] 1540 * X_8_113 + 2210 * X_8_114 + 2726 * X_8_115 + 1122 *
X_8_118 + 596 *
X_8_119 + 860 * X_8_120 + 596 * X_8_121 + 820 * X_8_122 + 2210 *
X_8_124 + 1540 *
X_8_125 + 1122 * X_8_127 + 860 * X_8_128 <= 3000;
[_18814] 596 * X_8_121 + 820 * X_8_122 + 2210 * X_8_124 + 1540 *
X_8_125 + 1122 *
X_8_127 + 860 * X_8_128 + 2210 * X_8_129 + 1086 * X_8_131 + 2726 *
X_8_132 + 1722
* X_8_133 + 2018 * X_8_134 <= 3000;
[_18815] 2210 * X_8_129 + 1086 * X_8_131 + 2726 * X_8_132 + 1722 *
X_8_133 + 2018 *
X_8_134 + 1086 * X_8_137 + 1122 * X_8_140 + 1540 * X_8_141 + 820 *
X_8_142 + 2210
* X_8_143 + 596 * X_8_144 <= 3000;
[_18816] 1086 * X_8_137 + 1122 * X_8_140 + 1540 * X_8_141 + 820 *
X_8_142 + 2210 *
X_8_143 + 596 * X_8_144 + 860 * X_8_146 + 2726 * X_8_147 + 1122 *
X_8_149 + 2018 *
X_8_150 + 2210 * X_8_151 <= 3000;
[_18817] 860 * X_8_146 + 2726 * X_8_147 + 1122 * X_8_149 + 2018 *
X_8_150 + 2210 *
X_8_151 + 2210 * X_8_153 + 1086 * X_8_154 + 820 * X_8_155 + 596 *
X_8_156 + 1722 *
X_8_159 + 1540 * X_8_160 <= 3000;

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[_18818] 2210 * X_8_153 + 1086 * X_8_154 + 820 * X_8_155 + 596 *
X_8_156 + 1722 *
  X_8_159 + 1540 * X_8_160 + 860 * X_8_163 + 1122 * X_8_164 + 2726 *
X_8_165 + 2018
  * X_8_166 + 2210 * X_8_167 <= 3000;
[_18819] 860 * X_8_163 + 1122 * X_8_164 + 2726 * X_8_165 + 2018 *
X_8_166 + 2210 *
  X_8_167 + 2210 * X_8_171 + 1540 * X_8_172 + 1722 * X_8_173 + 596 *
X_8_174 + 820 *
  X_8_175 + 1086 * X_8_176 <= 3000;
[_18820] 2210 * X_8_171 + 1540 * X_8_172 + 1722 * X_8_173 + 596 *
X_8_174 + 820 *
  X_8_175 + 1086 * X_8_176 + 1122 * X_8_177 + 2726 * X_8_178 + 860 *
X_8_179 + 596 *
  X_8_181 + 2210 * X_8_183 <= 3000;
[_18821] 1122 * X_8_177 + 2726 * X_8_178 + 860 * X_8_179 + 596 *
X_8_181 + 2210 *
  X_8_183 + 2210 * X_8_185 + 2018 * X_8_187 + 1540 * X_8_188 + 1086 *
X_8_189 + 1722
  * X_8_191 + 820 * X_8_192 <= 3000;
[_18822] 2210 * X_8_185 + 2018 * X_8_187 + 1540 * X_8_188 + 1086 *
X_8_189 + 1722 *
  X_8_191 + 820 * X_8_192 + 860 * X_8_193 + 1122 * X_8_194 + 2210 *
X_8_196 + 2726 *
  X_8_197 + 596 * X_8_200 <= 3000;
[_18823] 860 * X_8_193 + 1122 * X_8_194 + 2210 * X_8_196 + 2726 *
X_8_197 + 596 *
  X_8_200 + 2018 * X_8_201 + 1722 * X_8_202 + 1086 * X_8_203 + 820 *
X_8_204 + 1540
  * X_8_207 + 2210 * X_8_208 <= 3000;
[_18824] 2018 * X_8_201 + 1722 * X_8_202 + 1086 * X_8_203 + 820 *
X_8_204 + 1540 *
  X_8_207 + 2210 * X_8_208 + 1122 * X_8_210 + 596 * X_8_212 + 2726 *
X_8_213 + 2210
  * X_8_214 + 860 * X_8_215 + 1540 * X_8_216 <= 3000;
[_18825] 1122 * X_8_210 + 596 * X_8_212 + 2726 * X_8_213 + 2210 *
X_8_214 + 860 *
  X_8_215 + 1540 * X_8_216 + 1086 * X_8_217 + 2018 * X_8_218 + 1722 *
X_8_221 + 2210
  * X_8_222 + 820 * X_8_223 <= 3000;
[_18826] 1086 * X_8_217 + 2018 * X_8_218 + 1722 * X_8_221 + 2210 *
X_8_222 + 820 *
  X_8_223 + 2210 * X_8_225 + 1540 * X_8_227 + 596 * X_8_228 + 860 *
X_8_230 + 1122 *
  X_8_231 + 2726 * X_8_232 <= 3000;
[_18827] 2210 * X_8_225 + 1540 * X_8_227 + 596 * X_8_228 + 860 *
X_8_230 + 1122 *
  X_8_231 + 2726 * X_8_232 + 1722 * X_8_233 + 820 * X_8_235 + 1086 *
X_8_236 + 2210
  * X_8_237 + 2018 * X_8_239 <= 3000;
[_18828] 2210 * X_9_1 + 1086 * X_9_2 + 1722 * X_9_3 + 2018 * X_9_4 +
2726 * X_9_8 +
  2210 * X_9_9 + 860 * X_9_11 + 1122 * X_9_12 + 820 * X_9_13 + 1540 *
X_9_14 + 596 *
  X_9_15 <= 3000;
[_18829] 2210 * X_9_9 + 860 * X_9_11 + 1122 * X_9_12 + 820 * X_9_13 +
1540 * X_9_14

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+ 596 * X_9_15 + 1722 * X_9_17 + 2726 * X_9_18 + 2018 * X_9_19 + 860
* X_9_20 +
2210 * X_9_21 <= 3000;
[_18830] 1722 * X_9_17 + 2726 * X_9_18 + 2018 * X_9_19 + 860 * X_9_20
+ 2210 *
X_9_21 + 1540 * X_9_25 + 596 * X_9_27 + 1086 * X_9_28 + 1722 * X_9_29
+ 820 *
X_9_30 + 2210 * X_9_32 <= 3000;
[_18831] 1540 * X_9_25 + 596 * X_9_27 + 1086 * X_9_28 + 1722 * X_9_29
+ 820 *
X_9_30 + 2210 * X_9_32 + 2726 * X_9_33 + 2018 * X_9_34 + 2210 *
X_9_35 + 860 *
X_9_36 + 1122 * X_9_37 <= 3000;
[_18832] 2726 * X_9_33 + 2018 * X_9_34 + 2210 * X_9_35 + 860 * X_9_36
+ 1122 *
X_9_37 + 2210 * X_9_43 + 596 * X_9_44 + 1540 * X_9_45 + 1722 * X_9_46
+ 1086 *
X_9_47 + 820 * X_9_48 <= 3000;
[_18833] 2210 * X_9_43 + 596 * X_9_44 + 1540 * X_9_45 + 1722 * X_9_46
+ 1086 *
X_9_47 + 820 * X_9_48 + 2018 * X_9_49 + 2726 * X_9_50 + 1122 * X_9_51
+ 860 *
X_9_52 + 2210 * X_9_53 <= 3000;
[_18834] 2018 * X_9_49 + 2726 * X_9_50 + 1122 * X_9_51 + 860 * X_9_52
+ 2210 *
X_9_53 + 1540 * X_9_57 + 2018 * X_9_58 + 2210 * X_9_60 + 820 * X_9_61
+ 1722 *
X_9_62 + 1086 * X_9_64 <= 3000;
[_18835] 1540 * X_9_57 + 2018 * X_9_58 + 2210 * X_9_60 + 820 * X_9_61
+ 1722 *
X_9_62 + 1086 * X_9_64 + 596 * X_9_65 + 1122 * X_9_66 + 2210 * X_9_67
+ 2726 *
X_9_69 + 860 * X_9_72 <= 3000;
[_18836] 596 * X_9_65 + 1122 * X_9_66 + 2210 * X_9_67 + 2726 * X_9_69
+ 860 *
X_9_72 + 1722 * X_9_73 + 820 * X_9_74 + 1086 * X_9_76 + 2018 * X_9_78
+ 2210 *
X_9_79 + 1540 * X_9_80 <= 3000;
[_18837] 1722 * X_9_73 + 820 * X_9_74 + 1086 * X_9_76 + 2018 * X_9_78
+ 2210 *
X_9_79 + 1540 * X_9_80 + 2726 * X_9_82 + 1122 * X_9_83 + 596 * X_9_85
+ 860 *
X_9_86 + 2210 * X_9_87 <= 3000;
[_18838] 2726 * X_9_82 + 1122 * X_9_83 + 596 * X_9_85 + 860 * X_9_86 +
2210 *
X_9_87 + 1086 * X_9_91 + 1722 * X_9_92 + 2210 * X_9_93 + 2018 *
X_9_95 + 820 *
X_9_96 <= 3000;
[_18839] 1086 * X_9_91 + 1722 * X_9_92 + 2210 * X_9_93 + 2018 * X_9_95
+ 820 *
X_9_96 + 596 * X_9_97 + 1122 * X_9_98 + 2726 * X_9_100 + 860 *
X_9_102 + 2210 *
X_9_103 + 1540 * X_9_104 <= 3000;
[_18840] 596 * X_9_97 + 1122 * X_9_98 + 2726 * X_9_100 + 860 * X_9_102
+ 2210 *
X_9_103 + 1540 * X_9_104 + 1722 * X_9_105 + 820 * X_9_106 + 1086 *
X_9_107 + 2018

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* X_9_109 + 2210 * X_9_111 <= 3000;
[_18841] 1722 * X_9_105 + 820 * X_9_106 + 1086 * X_9_107 + 2018 *
X_9_109 + 2210 *
X_9_111 + 1540 * X_9_113 + 2210 * X_9_114 + 2726 * X_9_115 + 1122 *
X_9_118 + 596
* X_9_119 + 860 * X_9_120 <= 3000;
[_18842] 1540 * X_9_113 + 2210 * X_9_114 + 2726 * X_9_115 + 1122 *
X_9_118 + 596 *
X_9_119 + 860 * X_9_120 + 596 * X_9_121 + 820 * X_9_122 + 2210 *
X_9_124 + 1540 *
X_9_125 + 1122 * X_9_127 + 860 * X_9_128 <= 3000;
[_18843] 596 * X_9_121 + 820 * X_9_122 + 2210 * X_9_124 + 1540 *
X_9_125 + 1122 *
X_9_127 + 860 * X_9_128 + 2210 * X_9_129 + 1086 * X_9_131 + 2726 *
X_9_132 + 1722
* X_9_133 + 2018 * X_9_134 <= 3000;
[_18844] 2210 * X_9_129 + 1086 * X_9_131 + 2726 * X_9_132 + 1722 *
X_9_133 + 2018 *
X_9_134 + 1086 * X_9_137 + 1122 * X_9_140 + 1540 * X_9_141 + 820 *
X_9_142 + 2210
* X_9_143 + 596 * X_9_144 <= 3000;
[_18845] 1086 * X_9_137 + 1122 * X_9_140 + 1540 * X_9_141 + 820 *
X_9_142 + 2210 *
X_9_143 + 596 * X_9_144 + 860 * X_9_146 + 2726 * X_9_147 + 1122 *
X_9_149 + 2018 *
X_9_150 + 2210 * X_9_151 <= 3000;
[_18846] 860 * X_9_146 + 2726 * X_9_147 + 1122 * X_9_149 + 2018 *
X_9_150 + 2210 *
X_9_151 + 2210 * X_9_153 + 1086 * X_9_154 + 820 * X_9_155 + 596 *
X_9_156 + 1722 *
X_9_159 + 1540 * X_9_160 <= 3000;
[_18847] 2210 * X_9_153 + 1086 * X_9_154 + 820 * X_9_155 + 596 *
X_9_156 + 1722 *
X_9_159 + 1540 * X_9_160 + 860 * X_9_163 + 1122 * X_9_164 + 2726 *
X_9_165 + 2018
* X_9_166 + 2210 * X_9_167 <= 3000;
[_18848] 860 * X_9_163 + 1122 * X_9_164 + 2726 * X_9_165 + 2018 *
X_9_166 + 2210 *
X_9_167 + 2210 * X_9_171 + 1540 * X_9_172 + 1722 * X_9_173 + 596 *
X_9_174 + 820 *
X_9_175 + 1086 * X_9_176 <= 3000;
[_18849] 2210 * X_9_171 + 1540 * X_9_172 + 1722 * X_9_173 + 596 *
X_9_174 + 820 *
X_9_175 + 1086 * X_9_176 + 1122 * X_9_177 + 2726 * X_9_178 + 860 *
X_9_179 + 596 *
X_9_181 + 2210 * X_9_183 <= 3000;
[_18850] 1122 * X_9_177 + 2726 * X_9_178 + 860 * X_9_179 + 596 *
X_9_181 + 2210 *
X_9_183 + 2210 * X_9_185 + 2018 * X_9_187 + 1540 * X_9_188 + 1086 *
X_9_189 + 1722
* X_9_191 + 820 * X_9_192 <= 3000;
[_18851] 2210 * X_9_185 + 2018 * X_9_187 + 1540 * X_9_188 + 1086 *
X_9_189 + 1722 *
X_9_191 + 820 * X_9_192 + 860 * X_9_193 + 1122 * X_9_194 + 2210 *
X_9_196 + 2726 *
X_9_197 + 596 * X_9_200 <= 3000;

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[\_18852] 860 \* X\_9\_193 + 1122 \* X\_9\_194 + 2210 \* X\_9\_196 + 2726 \*  
 X\_9\_197 + 596 \*  
 X\_9\_200 + 2018 \* X\_9\_201 + 1722 \* X\_9\_202 + 1086 \* X\_9\_203 + 820 \*  
 X\_9\_204 + 1540  
 \* X\_9\_207 + 2210 \* X\_9\_208 <= 3000;  
 [\_18853] 2018 \* X\_9\_201 + 1722 \* X\_9\_202 + 1086 \* X\_9\_203 + 820 \*  
 X\_9\_204 + 1540 \*  
 X\_9\_207 + 2210 \* X\_9\_208 + 1122 \* X\_9\_210 + 596 \* X\_9\_212 + 2726 \*  
 X\_9\_213 + 2210  
 \* X\_9\_214 + 860 \* X\_9\_215 + 1540 \* X\_9\_216 <= 3000;  
 [\_18854] 1122 \* X\_9\_210 + 596 \* X\_9\_212 + 2726 \* X\_9\_213 + 2210 \*  
 X\_9\_214 + 860 \*  
 X\_9\_215 + 1540 \* X\_9\_216 + 1086 \* X\_9\_217 + 2018 \* X\_9\_218 + 1722 \*  
 X\_9\_221 + 2210  
 \* X\_9\_222 + 820 \* X\_9\_223 <= 3000;  
 [\_18855] 1086 \* X\_9\_217 + 2018 \* X\_9\_218 + 1722 \* X\_9\_221 + 2210 \*  
 X\_9\_222 + 820 \*  
 X\_9\_223 + 2210 \* X\_9\_225 + 1540 \* X\_9\_227 + 596 \* X\_9\_228 + 860 \*  
 X\_9\_230 + 1122 \*  
 X\_9\_231 + 2726 \* X\_9\_232 <= 3000;  
 [\_18856] 2210 \* X\_9\_225 + 1540 \* X\_9\_227 + 596 \* X\_9\_228 + 860 \*  
 X\_9\_230 + 1122 \*  
 X\_9\_231 + 2726 \* X\_9\_232 + 1722 \* X\_9\_233 + 820 \* X\_9\_235 + 1086 \*  
 X\_9\_236 + 2210  
 \* X\_9\_237 + 2018 \* X\_9\_239 <= 3000;  
 [\_18857] 2210 \* X\_10\_1 + 1086 \* X\_10\_2 + 1722 \* X\_10\_3 + 2018 \* X\_10\_4  
 + 2726 \*  
 X\_10\_8 + 2210 \* X\_10\_9 + 860 \* X\_10\_11 + 1122 \* X\_10\_12 + 820 \*  
 X\_10\_13 + 1540 \*  
 X\_10\_14 + 596 \* X\_10\_15 <= 3000;  
 [\_18858] 2210 \* X\_10\_9 + 860 \* X\_10\_11 + 1122 \* X\_10\_12 + 820 \*  
 X\_10\_13 + 1540 \*  
 X\_10\_14 + 596 \* X\_10\_15 + 1722 \* X\_10\_17 + 2726 \* X\_10\_18 + 2018 \*  
 X\_10\_19 + 860 \*  
 X\_10\_20 + 2210 \* X\_10\_21 <= 3000;  
 [\_18859] 1722 \* X\_10\_17 + 2726 \* X\_10\_18 + 2018 \* X\_10\_19 + 860 \*  
 X\_10\_20 + 2210 \*  
 X\_10\_21 + 1540 \* X\_10\_25 + 596 \* X\_10\_27 + 1086 \* X\_10\_28 + 1722 \*  
 X\_10\_29 + 820 \*  
 X\_10\_30 + 2210 \* X\_10\_32 <= 3000;  
 [\_18860] 1540 \* X\_10\_25 + 596 \* X\_10\_27 + 1086 \* X\_10\_28 + 1722 \*  
 X\_10\_29 + 820 \*  
 X\_10\_30 + 2210 \* X\_10\_32 + 2726 \* X\_10\_33 + 2018 \* X\_10\_34 + 2210 \*  
 X\_10\_35 + 860  
 \* X\_10\_36 + 1122 \* X\_10\_37 <= 3000;  
 [\_18861] 2726 \* X\_10\_33 + 2018 \* X\_10\_34 + 2210 \* X\_10\_35 + 860 \*  
 X\_10\_36 + 1122 \*  
 X\_10\_37 + 2210 \* X\_10\_43 + 596 \* X\_10\_44 + 1540 \* X\_10\_45 + 1722 \*  
 X\_10\_46 + 1086  
 \* X\_10\_47 + 820 \* X\_10\_48 <= 3000;  
 [\_18862] 2210 \* X\_10\_43 + 596 \* X\_10\_44 + 1540 \* X\_10\_45 + 1722 \*  
 X\_10\_46 + 1086 \*  
 X\_10\_47 + 820 \* X\_10\_48 + 2018 \* X\_10\_49 + 2726 \* X\_10\_50 + 1122 \*  
 X\_10\_51 + 860 \*  
 X\_10\_52 + 2210 \* X\_10\_53 <= 3000;  
 [\_18863] 2018 \* X\_10\_49 + 2726 \* X\_10\_50 + 1122 \* X\_10\_51 + 860 \*  
 X\_10\_52 + 2210 \*

$X_{10\_53} + 1540 * X_{10\_57} + 2018 * X_{10\_58} + 2210 * X_{10\_60} + 820 * X_{10\_61} + 1722$   
 $* X_{10\_62} + 1086 * X_{10\_64} \leq 3000;$   
 [\_18864]  $1540 * X_{10\_57} + 2018 * X_{10\_58} + 2210 * X_{10\_60} + 820 * X_{10\_61} + 1722 *$   
 $X_{10\_62} + 1086 * X_{10\_64} + 596 * X_{10\_65} + 1122 * X_{10\_66} + 2210 * X_{10\_67} + 2726$   
 $* X_{10\_69} + 860 * X_{10\_72} \leq 3000;$   
 [\_18865]  $596 * X_{10\_65} + 1122 * X_{10\_66} + 2210 * X_{10\_67} + 2726 * X_{10\_69} + 860 *$   
 $X_{10\_72} + 1722 * X_{10\_73} + 820 * X_{10\_74} + 1086 * X_{10\_76} + 2018 * X_{10\_78} + 2210$   
 $* X_{10\_79} + 1540 * X_{10\_80} \leq 3000;$   
 [\_18866]  $1722 * X_{10\_73} + 820 * X_{10\_74} + 1086 * X_{10\_76} + 2018 * X_{10\_78} + 2210 *$   
 $X_{10\_79} + 1540 * X_{10\_80} + 2726 * X_{10\_82} + 1122 * X_{10\_83} + 596 * X_{10\_85} + 860 *$   
 $X_{10\_86} + 2210 * X_{10\_87} \leq 3000;$   
 [\_18867]  $2726 * X_{10\_82} + 1122 * X_{10\_83} + 596 * X_{10\_85} + 860 * X_{10\_86} + 2210 *$   
 $X_{10\_87} + 1086 * X_{10\_91} + 1722 * X_{10\_92} + 2210 * X_{10\_93} + 2018 * X_{10\_95} + 820$   
 $* X_{10\_96} \leq 3000;$   
 [\_18868]  $1086 * X_{10\_91} + 1722 * X_{10\_92} + 2210 * X_{10\_93} + 2018 * X_{10\_95} + 820 *$   
 $X_{10\_96} + 596 * X_{10\_97} + 1122 * X_{10\_98} + 2726 * X_{10\_100} + 860 * X_{10\_102} + 2210$   
 $* X_{10\_103} + 1540 * X_{10\_104} \leq 3000;$   
 [\_18869]  $596 * X_{10\_97} + 1122 * X_{10\_98} + 2726 * X_{10\_100} + 860 * X_{10\_102} + 2210 *$   
 $X_{10\_103} + 1540 * X_{10\_104} + 1722 * X_{10\_105} + 820 * X_{10\_106} + 1086 * X_{10\_107} +$   
 $2018 * X_{10\_109} + 2210 * X_{10\_111} \leq 3000;$   
 [\_18870]  $1722 * X_{10\_105} + 820 * X_{10\_106} + 1086 * X_{10\_107} + 2018 * X_{10\_109} +$   
 $2210 * X_{10\_111} + 1540 * X_{10\_113} + 2210 * X_{10\_114} + 2726 * X_{10\_115} + 1122 *$   
 $X_{10\_118} + 596 * X_{10\_119} + 860 * X_{10\_120} \leq 3000;$   
 [\_18871]  $1540 * X_{10\_113} + 2210 * X_{10\_114} + 2726 * X_{10\_115} + 1122 * X_{10\_118} +$   
 $596 * X_{10\_119} + 860 * X_{10\_120} + 596 * X_{10\_121} + 820 * X_{10\_122} + 2210 *$   
 $X_{10\_124} + 1540 * X_{10\_125} + 1122 * X_{10\_127} + 860 * X_{10\_128} \leq 3000;$   
 [\_18872]  $596 * X_{10\_121} + 820 * X_{10\_122} + 2210 * X_{10\_124} + 1540 * X_{10\_125} + 1122$   
 $* X_{10\_127} + 860 * X_{10\_128} + 2210 * X_{10\_129} + 1086 * X_{10\_131} + 2726 * X_{10\_132}$   
 $+ 1722 * X_{10\_133} + 2018 * X_{10\_134} \leq 3000;$   
 [\_18873]  $2210 * X_{10\_129} + 1086 * X_{10\_131} + 2726 * X_{10\_132} + 1722 * X_{10\_133} +$   
 $2018 * X_{10\_134} + 1086 * X_{10\_137} + 1122 * X_{10\_140} + 1540 * X_{10\_141} + 820 *$   
 $X_{10\_142} + 2210 * X_{10\_143} + 596 * X_{10\_144} \leq 3000;$   
 [\_18874]  $1086 * X_{10\_137} + 1122 * X_{10\_140} + 1540 * X_{10\_141} + 820 * X_{10\_142} +$

$2210 * X_{10\_143} + 596 * X_{10\_144} + 860 * X_{10\_146} + 2726 * X_{10\_147} + 1122 * X_{10\_149} + 2018 * X_{10\_150} + 2210 * X_{10\_151} \leq 3000;$   
 [\_18875]  $860 * X_{10\_146} + 2726 * X_{10\_147} + 1122 * X_{10\_149} + 2018 * X_{10\_150} + 2210 * X_{10\_151} + 2210 * X_{10\_153} + 1086 * X_{10\_154} + 820 * X_{10\_155} + 596 * X_{10\_156} + 1722 * X_{10\_159} + 1540 * X_{10\_160} \leq 3000;$   
 [\_18876]  $2210 * X_{10\_153} + 1086 * X_{10\_154} + 820 * X_{10\_155} + 596 * X_{10\_156} + 1722 * X_{10\_159} + 1540 * X_{10\_160} + 860 * X_{10\_163} + 1122 * X_{10\_164} + 2726 * X_{10\_165} + 2018 * X_{10\_166} + 2210 * X_{10\_167} + 2210 * X_{10\_171} + 1540 * X_{10\_172} + 1722 * X_{10\_173} + 596 * X_{10\_174} + 820 * X_{10\_175} + 1086 * X_{10\_176} \leq 3000;$   
 [\_18878]  $2210 * X_{10\_171} + 1540 * X_{10\_172} + 1722 * X_{10\_173} + 596 * X_{10\_174} + 820 * X_{10\_175} + 1086 * X_{10\_176} + 1122 * X_{10\_177} + 2726 * X_{10\_178} + 860 * X_{10\_179} + 596 * X_{10\_181} + 2210 * X_{10\_183} \leq 3000;$   
 [\_18879]  $1122 * X_{10\_177} + 2726 * X_{10\_178} + 860 * X_{10\_179} + 596 * X_{10\_181} + 2210 * X_{10\_183} + 2210 * X_{10\_185} + 2018 * X_{10\_187} + 1540 * X_{10\_188} + 1086 * X_{10\_189} + 1722 * X_{10\_191} + 820 * X_{10\_192} \leq 3000;$   
 [\_18880]  $2210 * X_{10\_185} + 2018 * X_{10\_187} + 1540 * X_{10\_188} + 1086 * X_{10\_189} + 1722 * X_{10\_191} + 820 * X_{10\_192} + 860 * X_{10\_193} + 1122 * X_{10\_194} + 2210 * X_{10\_196} + 2726 * X_{10\_197} + 596 * X_{10\_200} \leq 3000;$   
 [\_18881]  $860 * X_{10\_193} + 1122 * X_{10\_194} + 2210 * X_{10\_196} + 2726 * X_{10\_197} + 596 * X_{10\_200} + 2018 * X_{10\_201} + 1722 * X_{10\_202} + 1086 * X_{10\_203} + 820 * X_{10\_204} + 1540 * X_{10\_207} + 2210 * X_{10\_208} \leq 3000;$   
 [\_18882]  $2018 * X_{10\_201} + 1722 * X_{10\_202} + 1086 * X_{10\_203} + 820 * X_{10\_204} + 1540 * X_{10\_207} + 2210 * X_{10\_208} + 1122 * X_{10\_210} + 596 * X_{10\_212} + 2726 * X_{10\_213} + 2210 * X_{10\_214} + 860 * X_{10\_215} + 1540 * X_{10\_216} \leq 3000;$   
 [\_18883]  $1122 * X_{10\_210} + 596 * X_{10\_212} + 2726 * X_{10\_213} + 2210 * X_{10\_214} + 860 * X_{10\_215} + 1540 * X_{10\_216} + 1086 * X_{10\_217} + 2018 * X_{10\_218} + 1722 * X_{10\_221} + 2210 * X_{10\_222} + 820 * X_{10\_223} \leq 3000;$   
 [\_18884]  $1086 * X_{10\_217} + 2018 * X_{10\_218} + 1722 * X_{10\_221} + 2210 * X_{10\_222} + 820 * X_{10\_223} + 2210 * X_{10\_225} + 1540 * X_{10\_227} + 596 * X_{10\_228} + 860 * X_{10\_230} + 1122 * X_{10\_231} + 2726 * X_{10\_232} \leq 3000;$   
 [\_18885]  $2210 * X_{10\_225} + 1540 * X_{10\_227} + 596 * X_{10\_228} + 860 * X_{10\_230} + 1122 * X_{10\_231} + 2726 * X_{10\_232} \leq 3000;$

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* X_10_231 + 2726 * X_10_232 + 1722 * X_10_233 + 820 * X_10_235 +
1086 * X_10_236
+ 2210 * X_10_237 + 2018 * X_10_239 <= 3000;
[_18886] 2210 * X_11_1 + 1086 * X_11_2 + 1722 * X_11_3 + 2018 * X_11_4
+ 2726 *
X_11_8 + 2210 * X_11_9 + 860 * X_11_11 + 1122 * X_11_12 + 820 *
X_11_13 + 1540 *
X_11_14 + 596 * X_11_15 <= 3000;
[_18887] 2210 * X_11_9 + 860 * X_11_11 + 1122 * X_11_12 + 820 *
X_11_13 + 1540 *
X_11_14 + 596 * X_11_15 + 1722 * X_11_17 + 2726 * X_11_18 + 2018 *
X_11_19 + 860 *
X_11_20 + 2210 * X_11_21 <= 3000;
[_18888] 1722 * X_11_17 + 2726 * X_11_18 + 2018 * X_11_19 + 860 *
X_11_20 + 2210 *
X_11_21 + 1540 * X_11_25 + 596 * X_11_27 + 1086 * X_11_28 + 1722 *
X_11_29 + 820 *
X_11_30 + 2210 * X_11_32 <= 3000;
[_18889] 1540 * X_11_25 + 596 * X_11_27 + 1086 * X_11_28 + 1722 *
X_11_29 + 820 *
X_11_30 + 2210 * X_11_32 + 2726 * X_11_33 + 2018 * X_11_34 + 2210 *
X_11_35 + 860
* X_11_36 + 1122 * X_11_37 <= 3000;
[_18890] 2726 * X_11_33 + 2018 * X_11_34 + 2210 * X_11_35 + 860 *
X_11_36 + 1122 *
X_11_37 + 2210 * X_11_43 + 596 * X_11_44 + 1540 * X_11_45 + 1722 *
X_11_46 + 1086
* X_11_47 + 820 * X_11_48 <= 3000;
[_18891] 2210 * X_11_43 + 596 * X_11_44 + 1540 * X_11_45 + 1722 *
X_11_46 + 1086 *
X_11_47 + 820 * X_11_48 + 2018 * X_11_49 + 2726 * X_11_50 + 1122 *
X_11_51 + 860 *
X_11_52 + 2210 * X_11_53 <= 3000;
[_18892] 2018 * X_11_49 + 2726 * X_11_50 + 1122 * X_11_51 + 860 *
X_11_52 + 2210 *
X_11_53 + 1540 * X_11_57 + 2018 * X_11_58 + 2210 * X_11_60 + 820 *
X_11_61 + 1722
* X_11_62 + 1086 * X_11_64 <= 3000;
[_18893] 1540 * X_11_57 + 2018 * X_11_58 + 2210 * X_11_60 + 820 *
X_11_61 + 1722 *
X_11_62 + 1086 * X_11_64 + 596 * X_11_65 + 1122 * X_11_66 + 2210 *
X_11_67 + 2726
* X_11_69 + 860 * X_11_72 <= 3000;
[_18894] 596 * X_11_65 + 1122 * X_11_66 + 2210 * X_11_67 + 2726 *
X_11_69 + 860 *
X_11_72 + 1722 * X_11_73 + 820 * X_11_74 + 1086 * X_11_76 + 2018 *
X_11_78 + 2210
* X_11_79 + 1540 * X_11_80 <= 3000;
[_18895] 1722 * X_11_73 + 820 * X_11_74 + 1086 * X_11_76 + 2018 *
X_11_78 + 2210 *
X_11_79 + 1540 * X_11_80 + 2726 * X_11_82 + 1122 * X_11_83 + 596 *
X_11_85 + 860 *
X_11_86 + 2210 * X_11_87 <= 3000;
[_18896] 2726 * X_11_82 + 1122 * X_11_83 + 596 * X_11_85 + 860 *
X_11_86 + 2210 *
X_11_87 + 1086 * X_11_91 + 1722 * X_11_92 + 2210 * X_11_93 + 2018 *
X_11_95 + 820

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* X_11_96 <= 3000;
[_18897] 1086 * X_11_91 + 1722 * X_11_92 + 2210 * X_11_93 + 2018 *
X_11_95 + 820 *
X_11_96 + 596 * X_11_97 + 1122 * X_11_98 + 2726 * X_11_100 + 860 *
X_11_102 + 2210
* X_11_103 + 1540 * X_11_104 <= 3000;
[_18898] 596 * X_11_97 + 1122 * X_11_98 + 2726 * X_11_100 + 860 *
X_11_102 + 2210 *
X_11_103 + 1540 * X_11_104 + 1722 * X_11_105 + 820 * X_11_106 + 1086
* X_11_107 +
2018 * X_11_109 + 2210 * X_11_111 <= 3000;
[_18899] 1722 * X_11_105 + 820 * X_11_106 + 1086 * X_11_107 + 2018 *
X_11_109 +
2210 * X_11_111 + 1540 * X_11_113 + 2210 * X_11_114 + 2726 * X_11_115
+ 1122 *
X_11_118 + 596 * X_11_119 + 860 * X_11_120 <= 3000;
[_18900] 1540 * X_11_113 + 2210 * X_11_114 + 2726 * X_11_115 + 1122 *
X_11_118 +
596 * X_11_119 + 860 * X_11_120 + 596 * X_11_121 + 820 * X_11_122 +
2210 *
X_11_124 + 1540 * X_11_125 + 1122 * X_11_127 + 860 * X_11_128 <=
3000;
[_18901] 596 * X_11_121 + 820 * X_11_122 + 2210 * X_11_124 + 1540 *
X_11_125 + 1122
* X_11_127 + 860 * X_11_128 + 2210 * X_11_129 + 1086 * X_11_131 +
2726 * X_11_132
+ 1722 * X_11_133 + 2018 * X_11_134 <= 3000;
[_18902] 2210 * X_11_129 + 1086 * X_11_131 + 2726 * X_11_132 + 1722 *
X_11_133 +
2018 * X_11_134 + 1086 * X_11_137 + 1122 * X_11_140 + 1540 * X_11_141
+ 820 *
X_11_142 + 2210 * X_11_143 + 596 * X_11_144 <= 3000;
[_18903] 1086 * X_11_137 + 1122 * X_11_140 + 1540 * X_11_141 + 820 *
X_11_142 +
2210 * X_11_143 + 596 * X_11_144 + 860 * X_11_146 + 2726 * X_11_147 +
1122 *
X_11_149 + 2018 * X_11_150 + 2210 * X_11_151 <= 3000;
[_18904] 860 * X_11_146 + 2726 * X_11_147 + 1122 * X_11_149 + 2018 *
X_11_150 +
2210 * X_11_151 + 2210 * X_11_153 + 1086 * X_11_154 + 820 * X_11_155
+ 596 *
X_11_156 + 1722 * X_11_159 + 1540 * X_11_160 <= 3000;
[_18905] 2210 * X_11_153 + 1086 * X_11_154 + 820 * X_11_155 + 596 *
X_11_156 + 1722
* X_11_159 + 1540 * X_11_160 + 860 * X_11_163 + 1122 * X_11_164 +
2726 * X_11_165
+ 2018 * X_11_166 + 2210 * X_11_167 <= 3000;
[_18906] 860 * X_11_163 + 1122 * X_11_164 + 2726 * X_11_165 + 2018 *
X_11_166 +
2210 * X_11_167 + 2210 * X_11_171 + 1540 * X_11_172 + 1722 * X_11_173
+ 596 *
X_11_174 + 820 * X_11_175 + 1086 * X_11_176 <= 3000;
[_18907] 2210 * X_11_171 + 1540 * X_11_172 + 1722 * X_11_173 + 596 *
X_11_174 + 820
* X_11_175 + 1086 * X_11_176 + 1122 * X_11_177 + 2726 * X_11_178 +
860 * X_11_179
+ 596 * X_11_181 + 2210 * X_11_183 <= 3000;

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[_18908] 1122 * X_11_177 + 2726 * X_11_178 + 860 * X_11_179 + 596 *
X_11_181 + 2210
  * X_11_183 + 2210 * X_11_185 + 2018 * X_11_187 + 1540 * X_11_188 +
1086 * X_11_189
  + 1722 * X_11_191 + 820 * X_11_192 <= 3000;
[_18909] 2210 * X_11_185 + 2018 * X_11_187 + 1540 * X_11_188 + 1086 *
X_11_189 +
  1722 * X_11_191 + 820 * X_11_192 + 860 * X_11_193 + 1122 * X_11_194 +
2210 *
  X_11_196 + 2726 * X_11_197 + 596 * X_11_200 <= 3000;
[_18910] 860 * X_11_193 + 1122 * X_11_194 + 2210 * X_11_196 + 2726 *
X_11_197 + 596
  * X_11_200 + 2018 * X_11_201 + 1722 * X_11_202 + 1086 * X_11_203 +
820 * X_11_204
  + 1540 * X_11_207 + 2210 * X_11_208 <= 3000;
[_18911] 2018 * X_11_201 + 1722 * X_11_202 + 1086 * X_11_203 + 820 *
X_11_204 +
  1540 * X_11_207 + 2210 * X_11_208 + 1122 * X_11_210 + 596 * X_11_212
+ 2726 *
  X_11_213 + 2210 * X_11_214 + 860 * X_11_215 + 1540 * X_11_216 <=
3000;
[_18912] 1122 * X_11_210 + 596 * X_11_212 + 2726 * X_11_213 + 2210 *
X_11_214 + 860
  * X_11_215 + 1540 * X_11_216 + 1086 * X_11_217 + 2018 * X_11_218 +
1722 * X_11_221
  + 2210 * X_11_222 + 820 * X_11_223 <= 3000;
[_18913] 1086 * X_11_217 + 2018 * X_11_218 + 1722 * X_11_221 + 2210 *
X_11_222 +
  820 * X_11_223 + 2210 * X_11_225 + 1540 * X_11_227 + 596 * X_11_228 +
860 *
  X_11_230 + 1122 * X_11_231 + 2726 * X_11_232 <= 3000;
[_18914] 2210 * X_11_225 + 1540 * X_11_227 + 596 * X_11_228 + 860 *
X_11_230 + 1122
  * X_11_231 + 2726 * X_11_232 + 1722 * X_11_233 + 820 * X_11_235 +
1086 * X_11_236
  + 2210 * X_11_237 + 2018 * X_11_239 <= 3000;
[_18915] 2210 * X_12_1 + 1086 * X_12_2 + 1722 * X_12_3 + 2018 * X_12_4
+ 2726 *
  X_12_8 + 2210 * X_12_9 + 860 * X_12_11 + 1122 * X_12_12 + 820 *
X_12_13 + 1540 *
  X_12_14 + 596 * X_12_15 <= 3000;
[_18916] 2210 * X_12_9 + 860 * X_12_11 + 1122 * X_12_12 + 820 *
X_12_13 + 1540 *
  X_12_14 + 596 * X_12_15 + 1722 * X_12_17 + 2726 * X_12_18 + 2018 *
X_12_19 + 860 *
  X_12_20 + 2210 * X_12_21 <= 3000;
[_18917] 1722 * X_12_17 + 2726 * X_12_18 + 2018 * X_12_19 + 860 *
X_12_20 + 2210 *
  X_12_21 + 1540 * X_12_25 + 596 * X_12_27 + 1086 * X_12_28 + 1722 *
X_12_29 + 820 *
  X_12_30 + 2210 * X_12_32 <= 3000;
[_18918] 1540 * X_12_25 + 596 * X_12_27 + 1086 * X_12_28 + 1722 *
X_12_29 + 820 *
  X_12_30 + 2210 * X_12_32 + 2726 * X_12_33 + 2018 * X_12_34 + 2210 *
X_12_35 + 860
  * X_12_36 + 1122 * X_12_37 <= 3000;

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[\_18919] 2726 \* X\_12\_33 + 2018 \* X\_12\_34 + 2210 \* X\_12\_35 + 860 \*  
 X\_12\_36 + 1122 \*  
 X\_12\_37 + 2210 \* X\_12\_43 + 596 \* X\_12\_44 + 1540 \* X\_12\_45 + 1722 \*  
 X\_12\_46 + 1086  
 \* X\_12\_47 + 820 \* X\_12\_48 <= 3000;  
 [\_18920] 2210 \* X\_12\_43 + 596 \* X\_12\_44 + 1540 \* X\_12\_45 + 1722 \*  
 X\_12\_46 + 1086 \*  
 X\_12\_47 + 820 \* X\_12\_48 + 2018 \* X\_12\_49 + 2726 \* X\_12\_50 + 1122 \*  
 X\_12\_51 + 860 \*  
 X\_12\_52 + 2210 \* X\_12\_53 <= 3000;  
 [\_18921] 2018 \* X\_12\_49 + 2726 \* X\_12\_50 + 1122 \* X\_12\_51 + 860 \*  
 X\_12\_52 + 2210 \*  
 X\_12\_53 + 1540 \* X\_12\_57 + 2018 \* X\_12\_58 + 2210 \* X\_12\_60 + 820 \*  
 X\_12\_61 + 1722  
 \* X\_12\_62 + 1086 \* X\_12\_64 <= 3000;  
 [\_18922] 1540 \* X\_12\_57 + 2018 \* X\_12\_58 + 2210 \* X\_12\_60 + 820 \*  
 X\_12\_61 + 1722 \*  
 X\_12\_62 + 1086 \* X\_12\_64 + 596 \* X\_12\_65 + 1122 \* X\_12\_66 + 2210 \*  
 X\_12\_67 + 2726  
 \* X\_12\_69 + 860 \* X\_12\_72 <= 3000;  
 [\_18923] 596 \* X\_12\_65 + 1122 \* X\_12\_66 + 2210 \* X\_12\_67 + 2726 \*  
 X\_12\_69 + 860 \*  
 X\_12\_72 + 1722 \* X\_12\_73 + 820 \* X\_12\_74 + 1086 \* X\_12\_76 + 2018 \*  
 X\_12\_78 + 2210  
 \* X\_12\_79 + 1540 \* X\_12\_80 <= 3000;  
 [\_18924] 1722 \* X\_12\_73 + 820 \* X\_12\_74 + 1086 \* X\_12\_76 + 2018 \*  
 X\_12\_78 + 2210 \*  
 X\_12\_79 + 1540 \* X\_12\_80 + 2726 \* X\_12\_82 + 1122 \* X\_12\_83 + 596 \*  
 X\_12\_85 + 860 \*  
 X\_12\_86 + 2210 \* X\_12\_87 <= 3000;  
 [\_18925] 2726 \* X\_12\_82 + 1122 \* X\_12\_83 + 596 \* X\_12\_85 + 860 \*  
 X\_12\_86 + 2210 \*  
 X\_12\_87 + 1086 \* X\_12\_91 + 1722 \* X\_12\_92 + 2210 \* X\_12\_93 + 2018 \*  
 X\_12\_95 + 820  
 \* X\_12\_96 <= 3000;  
 [\_18926] 1086 \* X\_12\_91 + 1722 \* X\_12\_92 + 2210 \* X\_12\_93 + 2018 \*  
 X\_12\_95 + 820 \*  
 X\_12\_96 + 596 \* X\_12\_97 + 1122 \* X\_12\_98 + 2726 \* X\_12\_100 + 860 \*  
 X\_12\_102 + 2210  
 \* X\_12\_103 + 1540 \* X\_12\_104 <= 3000;  
 [\_18927] 596 \* X\_12\_97 + 1122 \* X\_12\_98 + 2726 \* X\_12\_100 + 860 \*  
 X\_12\_102 + 2210 \*  
 X\_12\_103 + 1540 \* X\_12\_104 + 1722 \* X\_12\_105 + 820 \* X\_12\_106 + 1086  
 \* X\_12\_107 +  
 2018 \* X\_12\_109 + 2210 \* X\_12\_111 <= 3000;  
 [\_18928] 1722 \* X\_12\_105 + 820 \* X\_12\_106 + 1086 \* X\_12\_107 + 2018 \*  
 X\_12\_109 +  
 2210 \* X\_12\_111 + 1540 \* X\_12\_113 + 2210 \* X\_12\_114 + 2726 \* X\_12\_115  
 + 1122 \*  
 X\_12\_118 + 596 \* X\_12\_119 + 860 \* X\_12\_120 <= 3000;  
 [\_18929] 1540 \* X\_12\_113 + 2210 \* X\_12\_114 + 2726 \* X\_12\_115 + 1122 \*  
 X\_12\_118 +  
 596 \* X\_12\_119 + 860 \* X\_12\_120 + 596 \* X\_12\_121 + 820 \* X\_12\_122 +  
 2210 \*  
 X\_12\_124 + 1540 \* X\_12\_125 + 1122 \* X\_12\_127 + 860 \* X\_12\_128 <=



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[_18930] 596 * X_12_121 + 820 * X_12_122 + 2210 * X_12_124 + 1540 *
X_12_125 + 1122
* X_12_127 + 860 * X_12_128 + 2210 * X_12_129 + 1086 * X_12_131 +
2726 * X_12_132
+ 1722 * X_12_133 + 2018 * X_12_134 <= 3000;
[_18931] 2210 * X_12_129 + 1086 * X_12_131 + 2726 * X_12_132 + 1722 *
X_12_133 +
2018 * X_12_134 + 1086 * X_12_137 + 1122 * X_12_140 + 1540 * X_12_141
+ 820 *
X_12_142 + 2210 * X_12_143 + 596 * X_12_144 <= 3000;
[_18932] 1086 * X_12_137 + 1122 * X_12_140 + 1540 * X_12_141 + 820 *
X_12_142 +
2210 * X_12_143 + 596 * X_12_144 + 860 * X_12_146 + 2726 * X_12_147 +
1122 *
X_12_149 + 2018 * X_12_150 + 2210 * X_12_151 <= 3000;
[_18933] 860 * X_12_146 + 2726 * X_12_147 + 1122 * X_12_149 + 2018 *
X_12_150 +
2210 * X_12_151 + 2210 * X_12_153 + 1086 * X_12_154 + 820 * X_12_155
+ 596 *
X_12_156 + 1722 * X_12_159 + 1540 * X_12_160 <= 3000;
[_18934] 2210 * X_12_153 + 1086 * X_12_154 + 820 * X_12_155 + 596 *
X_12_156 + 1722
* X_12_159 + 1540 * X_12_160 + 860 * X_12_163 + 1122 * X_12_164 +
2726 * X_12_165
+ 2018 * X_12_166 + 2210 * X_12_167 <= 3000;
[_18935] 860 * X_12_163 + 1122 * X_12_164 + 2726 * X_12_165 + 2018 *
X_12_166 +
2210 * X_12_167 + 2210 * X_12_171 + 1540 * X_12_172 + 1722 * X_12_173
+ 596 *
X_12_174 + 820 * X_12_175 + 1086 * X_12_176 <= 3000;
[_18936] 2210 * X_12_171 + 1540 * X_12_172 + 1722 * X_12_173 + 596 *
X_12_174 + 820
* X_12_175 + 1086 * X_12_176 + 1122 * X_12_177 + 2726 * X_12_178 +
860 * X_12_179
+ 596 * X_12_181 + 2210 * X_12_183 <= 3000;
[_18937] 1122 * X_12_177 + 2726 * X_12_178 + 860 * X_12_179 + 596 *
X_12_181 + 2210
* X_12_183 + 2210 * X_12_185 + 2018 * X_12_187 + 1540 * X_12_188 +
1086 * X_12_189
+ 1722 * X_12_191 + 820 * X_12_192 <= 3000;
[_18938] 2210 * X_12_185 + 2018 * X_12_187 + 1540 * X_12_188 + 1086 *
X_12_189 +
1722 * X_12_191 + 820 * X_12_192 + 860 * X_12_193 + 1122 * X_12_194 +
2210 *
X_12_196 + 2726 * X_12_197 + 596 * X_12_200 <= 3000;
[_18939] 860 * X_12_193 + 1122 * X_12_194 + 2210 * X_12_196 + 2726 *
X_12_197 + 596
* X_12_200 + 2018 * X_12_201 + 1722 * X_12_202 + 1086 * X_12_203 +
820 * X_12_204
+ 1540 * X_12_207 + 2210 * X_12_208 <= 3000;
[_18940] 2018 * X_12_201 + 1722 * X_12_202 + 1086 * X_12_203 + 820 *
X_12_204 +
1540 * X_12_207 + 2210 * X_12_208 + 1122 * X_12_210 + 596 * X_12_212
+ 2726 *
X_12_213 + 2210 * X_12_214 + 860 * X_12_215 + 1540 * X_12_216 <=
3000;

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[\_18941] 1122 \* X\_12\_210 + 596 \* X\_12\_212 + 2726 \* X\_12\_213 + 2210 \* X\_12\_214 + 860 \* X\_12\_215 + 1540 \* X\_12\_216 + 1086 \* X\_12\_217 + 2018 \* X\_12\_218 + 1722 \* X\_12\_221 + 2210 \* X\_12\_222 + 820 \* X\_12\_223 <= 3000;  
 [\_18942] 1086 \* X\_12\_217 + 2018 \* X\_12\_218 + 1722 \* X\_12\_221 + 2210 \* X\_12\_222 + 820 \* X\_12\_223 + 2210 \* X\_12\_225 + 1540 \* X\_12\_227 + 596 \* X\_12\_228 + 860 \* X\_12\_230 + 1122 \* X\_12\_231 + 2726 \* X\_12\_232 <= 3000;  
 [\_18943] 2210 \* X\_12\_225 + 1540 \* X\_12\_227 + 596 \* X\_12\_228 + 860 \* X\_12\_230 + 1122 \* X\_12\_231 + 2726 \* X\_12\_232 + 1722 \* X\_12\_233 + 820 \* X\_12\_235 + 1086 \* X\_12\_236 + 2210 \* X\_12\_237 + 2018 \* X\_12\_239 <= 3000;  
 [\_18944] 2210 \* X\_13\_1 + 1086 \* X\_13\_2 + 1722 \* X\_13\_3 + 2018 \* X\_13\_4 + 2726 \* X\_13\_8 + 2210 \* X\_13\_9 + 860 \* X\_13\_11 + 1122 \* X\_13\_12 + 820 \* X\_13\_13 + 1540 \* X\_13\_14 + 596 \* X\_13\_15 <= 3000;  
 [\_18945] 2210 \* X\_13\_9 + 860 \* X\_13\_11 + 1122 \* X\_13\_12 + 820 \* X\_13\_13 + 1540 \* X\_13\_14 + 596 \* X\_13\_15 + 1722 \* X\_13\_17 + 2726 \* X\_13\_18 + 2018 \* X\_13\_19 + 860 \* X\_13\_20 + 2210 \* X\_13\_21 <= 3000;  
 [\_18946] 1722 \* X\_13\_17 + 2726 \* X\_13\_18 + 2018 \* X\_13\_19 + 860 \* X\_13\_20 + 2210 \* X\_13\_21 + 1540 \* X\_13\_25 + 596 \* X\_13\_27 + 1086 \* X\_13\_28 + 1722 \* X\_13\_29 + 820 \* X\_13\_30 + 2210 \* X\_13\_32 <= 3000;  
 [\_18947] 1540 \* X\_13\_25 + 596 \* X\_13\_27 + 1086 \* X\_13\_28 + 1722 \* X\_13\_29 + 820 \* X\_13\_30 + 2210 \* X\_13\_32 + 2726 \* X\_13\_33 + 2018 \* X\_13\_34 + 2210 \* X\_13\_35 + 860 \* X\_13\_36 + 1122 \* X\_13\_37 <= 3000;  
 [\_18948] 2726 \* X\_13\_33 + 2018 \* X\_13\_34 + 2210 \* X\_13\_35 + 860 \* X\_13\_36 + 1122 \* X\_13\_37 + 2210 \* X\_13\_43 + 596 \* X\_13\_44 + 1540 \* X\_13\_45 + 1722 \* X\_13\_46 + 1086 \* X\_13\_47 + 820 \* X\_13\_48 <= 3000;  
 [\_18949] 2210 \* X\_13\_43 + 596 \* X\_13\_44 + 1540 \* X\_13\_45 + 1722 \* X\_13\_46 + 1086 \* X\_13\_47 + 820 \* X\_13\_48 + 2018 \* X\_13\_49 + 2726 \* X\_13\_50 + 1122 \* X\_13\_51 + 860 \* X\_13\_52 + 2210 \* X\_13\_53 <= 3000;  
 [\_18950] 2018 \* X\_13\_49 + 2726 \* X\_13\_50 + 1122 \* X\_13\_51 + 860 \* X\_13\_52 + 2210 \* X\_13\_53 + 1540 \* X\_13\_57 + 2018 \* X\_13\_58 + 2210 \* X\_13\_60 + 820 \* X\_13\_61 + 1722 \* X\_13\_62 + 1086 \* X\_13\_64 <= 3000;  
 [\_18951] 1540 \* X\_13\_57 + 2018 \* X\_13\_58 + 2210 \* X\_13\_60 + 820 \* X\_13\_61 + 1722 \* X\_13\_62 + 1086 \* X\_13\_64 + 596 \* X\_13\_65 + 1122 \* X\_13\_66 + 2210 \* X\_13\_67 + 2726 \* X\_13\_69 + 860 \* X\_13\_72 <= 3000;  
 [\_18952] 596 \* X\_13\_65 + 1122 \* X\_13\_66 + 2210 \* X\_13\_67 + 2726 \* X\_13\_69 + 860 \*

$X_{13\_72} + 1722 * X_{13\_73} + 820 * X_{13\_74} + 1086 * X_{13\_76} + 2018 * X_{13\_78} + 2210$   
 $* X_{13\_79} + 1540 * X_{13\_80} \leq 3000;$   
 [\_18953]  $1722 * X_{13\_73} + 820 * X_{13\_74} + 1086 * X_{13\_76} + 2018 * X_{13\_78} + 2210 *$   
 $X_{13\_79} + 1540 * X_{13\_80} + 2726 * X_{13\_82} + 1122 * X_{13\_83} + 596 * X_{13\_85} + 860 *$   
 $X_{13\_86} + 2210 * X_{13\_87} \leq 3000;$   
 [\_18954]  $2726 * X_{13\_82} + 1122 * X_{13\_83} + 596 * X_{13\_85} + 860 *$   
 $X_{13\_86} + 2210 *$   
 $X_{13\_87} + 1086 * X_{13\_91} + 1722 * X_{13\_92} + 2210 * X_{13\_93} + 2018 * X_{13\_95} + 820$   
 $* X_{13\_96} \leq 3000;$   
 [\_18955]  $1086 * X_{13\_91} + 1722 * X_{13\_92} + 2210 * X_{13\_93} + 2018 * X_{13\_95} + 820 *$   
 $X_{13\_96} + 596 * X_{13\_97} + 1122 * X_{13\_98} + 2726 * X_{13\_100} + 860 * X_{13\_102} + 2210$   
 $* X_{13\_103} + 1540 * X_{13\_104} \leq 3000;$   
 [\_18956]  $596 * X_{13\_97} + 1122 * X_{13\_98} + 2726 * X_{13\_100} + 860 * X_{13\_102} + 2210 *$   
 $X_{13\_103} + 1540 * X_{13\_104} + 1722 * X_{13\_105} + 820 * X_{13\_106} + 1086 * X_{13\_107} +$   
 $2018 * X_{13\_109} + 2210 * X_{13\_111} \leq 3000;$   
 [\_18957]  $1722 * X_{13\_105} + 820 * X_{13\_106} + 1086 * X_{13\_107} + 2018 * X_{13\_109} +$   
 $2210 * X_{13\_111} + 1540 * X_{13\_113} + 2210 * X_{13\_114} + 2726 * X_{13\_115} + 1122 *$   
 $X_{13\_118} + 596 * X_{13\_119} + 860 * X_{13\_120} \leq 3000;$   
 [\_18958]  $1540 * X_{13\_113} + 2210 * X_{13\_114} + 2726 * X_{13\_115} + 1122 * X_{13\_118} +$   
 $596 * X_{13\_119} + 860 * X_{13\_120} + 596 * X_{13\_121} + 820 * X_{13\_122} + 2210 *$   
 $X_{13\_124} + 1540 * X_{13\_125} + 1122 * X_{13\_127} + 860 * X_{13\_128} \leq 3000;$   
 [\_18959]  $596 * X_{13\_121} + 820 * X_{13\_122} + 2210 * X_{13\_124} + 1540 * X_{13\_125} + 1122$   
 $* X_{13\_127} + 860 * X_{13\_128} + 2210 * X_{13\_129} + 1086 * X_{13\_131} + 2726 * X_{13\_132}$   
 $+ 1722 * X_{13\_133} + 2018 * X_{13\_134} \leq 3000;$   
 [\_18960]  $2210 * X_{13\_129} + 1086 * X_{13\_131} + 2726 * X_{13\_132} + 1722 * X_{13\_133} +$   
 $2018 * X_{13\_134} + 1086 * X_{13\_137} + 1122 * X_{13\_140} + 1540 * X_{13\_141} + 820 *$   
 $X_{13\_142} + 2210 * X_{13\_143} + 596 * X_{13\_144} \leq 3000;$   
 [\_18961]  $1086 * X_{13\_137} + 1122 * X_{13\_140} + 1540 * X_{13\_141} + 820 * X_{13\_142} +$   
 $2210 * X_{13\_143} + 596 * X_{13\_144} + 860 * X_{13\_146} + 2726 * X_{13\_147} + 1122 *$   
 $X_{13\_149} + 2018 * X_{13\_150} + 2210 * X_{13\_151} \leq 3000;$   
 [\_18962]  $860 * X_{13\_146} + 2726 * X_{13\_147} + 1122 * X_{13\_149} + 2018 * X_{13\_150} +$   
 $2210 * X_{13\_151} + 2210 * X_{13\_153} + 1086 * X_{13\_154} + 820 * X_{13\_155} + 596 *$   
 $X_{13\_156} + 1722 * X_{13\_159} + 1540 * X_{13\_160} \leq 3000;$   
 [\_18963]  $2210 * X_{13\_153} + 1086 * X_{13\_154} + 820 * X_{13\_155} + 596 * X_{13\_156} + 1722$

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* X_13_159 + 1540 * X_13_160 + 860 * X_13_163 + 1122 * X_13_164 +
2726 * X_13_165
+ 2018 * X_13_166 + 2210 * X_13_167 <= 3000;
[_18964] 860 * X_13_163 + 1122 * X_13_164 + 2726 * X_13_165 + 2018 *
X_13_166 +
2210 * X_13_167 + 2210 * X_13_171 + 1540 * X_13_172 + 1722 * X_13_173
+ 596 *
X_13_174 + 820 * X_13_175 + 1086 * X_13_176 <= 3000;
[_18965] 2210 * X_13_171 + 1540 * X_13_172 + 1722 * X_13_173 + 596 *
X_13_174 + 820
* X_13_175 + 1086 * X_13_176 + 1122 * X_13_177 + 2726 * X_13_178 +
860 * X_13_179
+ 596 * X_13_181 + 2210 * X_13_183 <= 3000;
[_18966] 1122 * X_13_177 + 2726 * X_13_178 + 860 * X_13_179 + 596 *
X_13_181 + 2210
* X_13_183 + 2210 * X_13_185 + 2018 * X_13_187 + 1540 * X_13_188 +
1086 * X_13_189
+ 1722 * X_13_191 + 820 * X_13_192 <= 3000;
[_18967] 2210 * X_13_185 + 2018 * X_13_187 + 1540 * X_13_188 + 1086 *
X_13_189 +
1722 * X_13_191 + 820 * X_13_192 + 860 * X_13_193 + 1122 * X_13_194 +
2210 *
X_13_196 + 2726 * X_13_197 + 596 * X_13_200 <= 3000;
[_18968] 860 * X_13_193 + 1122 * X_13_194 + 2210 * X_13_196 + 2726 *
X_13_197 + 596
* X_13_200 + 2018 * X_13_201 + 1722 * X_13_202 + 1086 * X_13_203 +
820 * X_13_204
+ 1540 * X_13_207 + 2210 * X_13_208 <= 3000;
[_18969] 2018 * X_13_201 + 1722 * X_13_202 + 1086 * X_13_203 + 820 *
X_13_204 +
1540 * X_13_207 + 2210 * X_13_208 + 1122 * X_13_210 + 596 * X_13_212
+ 2726 *
X_13_213 + 2210 * X_13_214 + 860 * X_13_215 + 1540 * X_13_216 <=
3000;
[_18970] 1122 * X_13_210 + 596 * X_13_212 + 2726 * X_13_213 + 2210 *
X_13_214 + 860
* X_13_215 + 1540 * X_13_216 + 1086 * X_13_217 + 2018 * X_13_218 +
1722 * X_13_221
+ 2210 * X_13_222 + 820 * X_13_223 <= 3000;
[_18971] 1086 * X_13_217 + 2018 * X_13_218 + 1722 * X_13_221 + 2210 *
X_13_222 +
820 * X_13_223 + 2210 * X_13_225 + 1540 * X_13_227 + 596 * X_13_228 +
860 *
X_13_230 + 1122 * X_13_231 + 2726 * X_13_232 <= 3000;
[_18972] 2210 * X_13_225 + 1540 * X_13_227 + 596 * X_13_228 + 860 *
X_13_230 + 1122
* X_13_231 + 2726 * X_13_232 + 1722 * X_13_233 + 820 * X_13_235 +
1086 * X_13_236
+ 2210 * X_13_237 + 2018 * X_13_239 <= 3000;
[_18973] 2210 * X_14_1 + 1086 * X_14_2 + 1722 * X_14_3 + 2018 * X_14_4
+ 2726 *
X_14_8 + 2210 * X_14_9 + 860 * X_14_11 + 1122 * X_14_12 + 820 *
X_14_13 + 1540 *
X_14_14 + 596 * X_14_15 <= 3000;
[_18974] 2210 * X_14_9 + 860 * X_14_11 + 1122 * X_14_12 + 820 *
X_14_13 + 1540 *

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$X_{14\_14} + 596 * X_{14\_15} + 1722 * X_{14\_17} + 2726 * X_{14\_18} + 2018 * X_{14\_19} + 860 *$   
 $X_{14\_20} + 2210 * X_{14\_21} \leq 3000;$   
 [\_18975]  $1722 * X_{14\_17} + 2726 * X_{14\_18} + 2018 * X_{14\_19} + 860 * X_{14\_20} + 2210 *$   
 $X_{14\_21} + 1540 * X_{14\_25} + 596 * X_{14\_27} + 1086 * X_{14\_28} + 1722 * X_{14\_29} + 820 *$   
 $X_{14\_30} + 2210 * X_{14\_32} \leq 3000;$   
 [\_18976]  $1540 * X_{14\_25} + 596 * X_{14\_27} + 1086 * X_{14\_28} + 1722 * X_{14\_29} + 820 *$   
 $X_{14\_30} + 2210 * X_{14\_32} + 2726 * X_{14\_33} + 2018 * X_{14\_34} + 2210 * X_{14\_35} + 860$   
 $* X_{14\_36} + 1122 * X_{14\_37} \leq 3000;$   
 [\_18977]  $2726 * X_{14\_33} + 2018 * X_{14\_34} + 2210 * X_{14\_35} + 860 * X_{14\_36} + 1122 *$   
 $X_{14\_37} + 2210 * X_{14\_43} + 596 * X_{14\_44} + 1540 * X_{14\_45} + 1722 * X_{14\_46} + 1086$   
 $* X_{14\_47} + 820 * X_{14\_48} \leq 3000;$   
 [\_18978]  $2210 * X_{14\_43} + 596 * X_{14\_44} + 1540 * X_{14\_45} + 1722 * X_{14\_46} + 1086 *$   
 $X_{14\_47} + 820 * X_{14\_48} + 2018 * X_{14\_49} + 2726 * X_{14\_50} + 1122 * X_{14\_51} + 860 *$   
 $X_{14\_52} + 2210 * X_{14\_53} \leq 3000;$   
 [\_18979]  $2018 * X_{14\_49} + 2726 * X_{14\_50} + 1122 * X_{14\_51} + 860 * X_{14\_52} + 2210 *$   
 $X_{14\_53} + 1540 * X_{14\_57} + 2018 * X_{14\_58} + 2210 * X_{14\_60} + 820 * X_{14\_61} + 1722$   
 $* X_{14\_62} + 1086 * X_{14\_64} \leq 3000;$   
 [\_18980]  $1540 * X_{14\_57} + 2018 * X_{14\_58} + 2210 * X_{14\_60} + 820 * X_{14\_61} + 1722 *$   
 $X_{14\_62} + 1086 * X_{14\_64} + 596 * X_{14\_65} + 1122 * X_{14\_66} + 2210 * X_{14\_67} + 2726$   
 $* X_{14\_69} + 860 * X_{14\_72} \leq 3000;$   
 [\_18981]  $596 * X_{14\_65} + 1122 * X_{14\_66} + 2210 * X_{14\_67} + 2726 * X_{14\_69} + 860 *$   
 $X_{14\_72} + 1722 * X_{14\_73} + 820 * X_{14\_74} + 1086 * X_{14\_76} + 2018 * X_{14\_78} + 2210$   
 $* X_{14\_79} + 1540 * X_{14\_80} \leq 3000;$   
 [\_18982]  $1722 * X_{14\_73} + 820 * X_{14\_74} + 1086 * X_{14\_76} + 2018 * X_{14\_78} + 2210 *$   
 $X_{14\_79} + 1540 * X_{14\_80} + 2726 * X_{14\_82} + 1122 * X_{14\_83} + 596 * X_{14\_85} + 860 *$   
 $X_{14\_86} + 2210 * X_{14\_87} \leq 3000;$   
 [\_18983]  $2726 * X_{14\_82} + 1122 * X_{14\_83} + 596 * X_{14\_85} + 860 * X_{14\_86} + 2210 *$   
 $X_{14\_87} + 1086 * X_{14\_91} + 1722 * X_{14\_92} + 2210 * X_{14\_93} + 2018 * X_{14\_95} + 820$   
 $* X_{14\_96} \leq 3000;$   
 [\_18984]  $1086 * X_{14\_91} + 1722 * X_{14\_92} + 2210 * X_{14\_93} + 2018 * X_{14\_95} + 820 *$   
 $X_{14\_96} + 596 * X_{14\_97} + 1122 * X_{14\_98} + 2726 * X_{14\_100} + 860 * X_{14\_102} + 2210$   
 $* X_{14\_103} + 1540 * X_{14\_104} \leq 3000;$   
 [\_18985]  $596 * X_{14\_97} + 1122 * X_{14\_98} + 2726 * X_{14\_100} + 860 * X_{14\_102} + 2210 *$   
 $X_{14\_103} + 1540 * X_{14\_104} + 1722 * X_{14\_105} + 820 * X_{14\_106} + 1086 * X_{14\_107} +$

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2018 * X_14_109 + 2210 * X_14_111 <= 3000;
[_18986] 1722 * X_14_105 + 820 * X_14_106 + 1086 * X_14_107 + 2018 *
X_14_109 +
2210 * X_14_111 + 1540 * X_14_113 + 2210 * X_14_114 + 2726 * X_14_115
+ 1122 *
X_14_118 + 596 * X_14_119 + 860 * X_14_120 <= 3000;
[_18987] 1540 * X_14_113 + 2210 * X_14_114 + 2726 * X_14_115 + 1122 *
X_14_118 +
596 * X_14_119 + 860 * X_14_120 + 596 * X_14_121 + 820 * X_14_122 +
2210 *
X_14_124 + 1540 * X_14_125 + 1122 * X_14_127 + 860 * X_14_128 <=
3000;
[_18988] 596 * X_14_121 + 820 * X_14_122 + 2210 * X_14_124 + 1540 *
X_14_125 + 1122
* X_14_127 + 860 * X_14_128 + 2210 * X_14_129 + 1086 * X_14_131 +
2726 * X_14_132
+ 1722 * X_14_133 + 2018 * X_14_134 <= 3000;
[_18989] 2210 * X_14_129 + 1086 * X_14_131 + 2726 * X_14_132 + 1722 *
X_14_133 +
2018 * X_14_134 + 1086 * X_14_137 + 1122 * X_14_140 + 1540 * X_14_141
+ 820 *
X_14_142 + 2210 * X_14_143 + 596 * X_14_144 <= 3000;
[_18990] 1086 * X_14_137 + 1122 * X_14_140 + 1540 * X_14_141 + 820 *
X_14_142 +
2210 * X_14_143 + 596 * X_14_144 + 860 * X_14_146 + 2726 * X_14_147 +
1122 *
X_14_149 + 2018 * X_14_150 + 2210 * X_14_151 <= 3000;
[_18991] 860 * X_14_146 + 2726 * X_14_147 + 1122 * X_14_149 + 2018 *
X_14_150 +
2210 * X_14_151 + 2210 * X_14_153 + 1086 * X_14_154 + 820 * X_14_155
+ 596 *
X_14_156 + 1722 * X_14_159 + 1540 * X_14_160 <= 3000;
[_18992] 2210 * X_14_153 + 1086 * X_14_154 + 820 * X_14_155 + 596 *
X_14_156 + 1722
* X_14_159 + 1540 * X_14_160 + 860 * X_14_163 + 1122 * X_14_164 +
2726 * X_14_165
+ 2018 * X_14_166 + 2210 * X_14_167 <= 3000;
[_18993] 860 * X_14_163 + 1122 * X_14_164 + 2726 * X_14_165 + 2018 *
X_14_166 +
2210 * X_14_167 + 2210 * X_14_171 + 1540 * X_14_172 + 1722 * X_14_173
+ 596 *
X_14_174 + 820 * X_14_175 + 1086 * X_14_176 <= 3000;
[_18994] 2210 * X_14_171 + 1540 * X_14_172 + 1722 * X_14_173 + 596 *
X_14_174 + 820
* X_14_175 + 1086 * X_14_176 + 1122 * X_14_177 + 2726 * X_14_178 +
860 * X_14_179
+ 596 * X_14_181 + 2210 * X_14_183 <= 3000;
[_18995] 1122 * X_14_177 + 2726 * X_14_178 + 860 * X_14_179 + 596 *
X_14_181 + 2210
* X_14_183 + 2210 * X_14_185 + 2018 * X_14_187 + 1540 * X_14_188 +
1086 * X_14_189
+ 1722 * X_14_191 + 820 * X_14_192 <= 3000;
[_18996] 2210 * X_14_185 + 2018 * X_14_187 + 1540 * X_14_188 + 1086 *
X_14_189 +
1722 * X_14_191 + 820 * X_14_192 + 860 * X_14_193 + 1122 * X_14_194 +
2210 *
X_14_196 + 2726 * X_14_197 + 596 * X_14_200 <= 3000;

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[_18997] 860 * X_14_193 + 1122 * X_14_194 + 2210 * X_14_196 + 2726 *
X_14_197 + 596
* X_14_200 + 2018 * X_14_201 + 1722 * X_14_202 + 1086 * X_14_203 +
820 * X_14_204
+ 1540 * X_14_207 + 2210 * X_14_208 <= 3000;
[_18998] 2018 * X_14_201 + 1722 * X_14_202 + 1086 * X_14_203 + 820 *
X_14_204 +
1540 * X_14_207 + 2210 * X_14_208 + 1122 * X_14_210 + 596 * X_14_212
+ 2726 *
X_14_213 + 2210 * X_14_214 + 860 * X_14_215 + 1540 * X_14_216 <=
3000;
[_18999] 1122 * X_14_210 + 596 * X_14_212 + 2726 * X_14_213 + 2210 *
X_14_214 + 860
* X_14_215 + 1540 * X_14_216 + 1086 * X_14_217 + 2018 * X_14_218 +
1722 * X_14_221
+ 2210 * X_14_222 + 820 * X_14_223 <= 3000;
[_19000] 1086 * X_14_217 + 2018 * X_14_218 + 1722 * X_14_221 + 2210 *
X_14_222 +
820 * X_14_223 + 2210 * X_14_225 + 1540 * X_14_227 + 596 * X_14_228 +
860 *
X_14_230 + 1122 * X_14_231 + 2726 * X_14_232 <= 3000;
[_19001] 2210 * X_14_225 + 1540 * X_14_227 + 596 * X_14_228 + 860 *
X_14_230 + 1122
* X_14_231 + 2726 * X_14_232 + 1722 * X_14_233 + 820 * X_14_235 +
1086 * X_14_236
+ 2210 * X_14_237 + 2018 * X_14_239 <= 3000;
[_19002] 2210 * X_15_1 + 1086 * X_15_2 + 1722 * X_15_3 + 2018 * X_15_4
+ 2726 *
X_15_8 + 2210 * X_15_9 + 860 * X_15_11 + 1122 * X_15_12 + 820 *
X_15_13 + 1540 *
X_15_14 + 596 * X_15_15 <= 3000;
[_19003] 2210 * X_15_9 + 860 * X_15_11 + 1122 * X_15_12 + 820 *
X_15_13 + 1540 *
X_15_14 + 596 * X_15_15 + 1722 * X_15_17 + 2726 * X_15_18 + 2018 *
X_15_19 + 860 *
X_15_20 + 2210 * X_15_21 <= 3000;
[_19004] 1722 * X_15_17 + 2726 * X_15_18 + 2018 * X_15_19 + 860 *
X_15_20 + 2210 *
X_15_21 + 1540 * X_15_25 + 596 * X_15_27 + 1086 * X_15_28 + 1722 *
X_15_29 + 820 *
X_15_30 + 2210 * X_15_32 <= 3000;
[_19005] 1540 * X_15_25 + 596 * X_15_27 + 1086 * X_15_28 + 1722 *
X_15_29 + 820 *
X_15_30 + 2210 * X_15_32 + 2726 * X_15_33 + 2018 * X_15_34 + 2210 *
X_15_35 + 860
* X_15_36 + 1122 * X_15_37 <= 3000;
[_19006] 2726 * X_15_33 + 2018 * X_15_34 + 2210 * X_15_35 + 860 *
X_15_36 + 1122 *
X_15_37 + 2210 * X_15_43 + 596 * X_15_44 + 1540 * X_15_45 + 1722 *
X_15_46 + 1086
* X_15_47 + 820 * X_15_48 <= 3000;
[_19007] 2210 * X_15_43 + 596 * X_15_44 + 1540 * X_15_45 + 1722 *
X_15_46 + 1086 *
X_15_47 + 820 * X_15_48 + 2018 * X_15_49 + 2726 * X_15_50 + 1122 *
X_15_51 + 860 *
X_15_52 + 2210 * X_15_53 <= 3000;

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[\_19008] 2018 \* X\_15\_49 + 2726 \* X\_15\_50 + 1122 \* X\_15\_51 + 860 \*  
 X\_15\_52 + 2210 \*  
 X\_15\_53 + 1540 \* X\_15\_57 + 2018 \* X\_15\_58 + 2210 \* X\_15\_60 + 820 \*  
 X\_15\_61 + 1722  
 \* X\_15\_62 + 1086 \* X\_15\_64 <= 3000;  
 [\_19009] 1540 \* X\_15\_57 + 2018 \* X\_15\_58 + 2210 \* X\_15\_60 + 820 \*  
 X\_15\_61 + 1722 \*  
 X\_15\_62 + 1086 \* X\_15\_64 + 596 \* X\_15\_65 + 1122 \* X\_15\_66 + 2210 \*  
 X\_15\_67 + 2726  
 \* X\_15\_69 + 860 \* X\_15\_72 <= 3000;  
 [\_19010] 596 \* X\_15\_65 + 1122 \* X\_15\_66 + 2210 \* X\_15\_67 + 2726 \*  
 X\_15\_69 + 860 \*  
 X\_15\_72 + 1722 \* X\_15\_73 + 820 \* X\_15\_74 + 1086 \* X\_15\_76 + 2018 \*  
 X\_15\_78 + 2210  
 \* X\_15\_79 + 1540 \* X\_15\_80 <= 3000;  
 [\_19011] 1722 \* X\_15\_73 + 820 \* X\_15\_74 + 1086 \* X\_15\_76 + 2018 \*  
 X\_15\_78 + 2210 \*  
 X\_15\_79 + 1540 \* X\_15\_80 + 2726 \* X\_15\_82 + 1122 \* X\_15\_83 + 596 \*  
 X\_15\_85 + 860 \*  
 X\_15\_86 + 2210 \* X\_15\_87 <= 3000;  
 [\_19012] 2726 \* X\_15\_82 + 1122 \* X\_15\_83 + 596 \* X\_15\_85 + 860 \*  
 X\_15\_86 + 2210 \*  
 X\_15\_87 + 1086 \* X\_15\_91 + 1722 \* X\_15\_92 + 2210 \* X\_15\_93 + 2018 \*  
 X\_15\_95 + 820  
 \* X\_15\_96 <= 3000;  
 [\_19013] 1086 \* X\_15\_91 + 1722 \* X\_15\_92 + 2210 \* X\_15\_93 + 2018 \*  
 X\_15\_95 + 820 \*  
 X\_15\_96 + 596 \* X\_15\_97 + 1122 \* X\_15\_98 + 2726 \* X\_15\_100 + 860 \*  
 X\_15\_102 + 2210  
 \* X\_15\_103 + 1540 \* X\_15\_104 <= 3000;  
 [\_19014] 596 \* X\_15\_97 + 1122 \* X\_15\_98 + 2726 \* X\_15\_100 + 860 \*  
 X\_15\_102 + 2210 \*  
 X\_15\_103 + 1540 \* X\_15\_104 + 1722 \* X\_15\_105 + 820 \* X\_15\_106 + 1086  
 \* X\_15\_107 +  
 2018 \* X\_15\_109 + 2210 \* X\_15\_111 <= 3000;  
 [\_19015] 1722 \* X\_15\_105 + 820 \* X\_15\_106 + 1086 \* X\_15\_107 + 2018 \*  
 X\_15\_109 +  
 2210 \* X\_15\_111 + 1540 \* X\_15\_113 + 2210 \* X\_15\_114 + 2726 \* X\_15\_115  
 + 1122 \*  
 X\_15\_118 + 596 \* X\_15\_119 + 860 \* X\_15\_120 <= 3000;  
 [\_19016] 1540 \* X\_15\_113 + 2210 \* X\_15\_114 + 2726 \* X\_15\_115 + 1122 \*  
 X\_15\_118 +  
 596 \* X\_15\_119 + 860 \* X\_15\_120 + 596 \* X\_15\_121 + 820 \* X\_15\_122 +  
 2210 \*  
 X\_15\_124 + 1540 \* X\_15\_125 + 1122 \* X\_15\_127 + 860 \* X\_15\_128 <=  
 3000;  
 [\_19017] 596 \* X\_15\_121 + 820 \* X\_15\_122 + 2210 \* X\_15\_124 + 1540 \*  
 X\_15\_125 + 1122  
 \* X\_15\_127 + 860 \* X\_15\_128 + 2210 \* X\_15\_129 + 1086 \* X\_15\_131 +  
 2726 \* X\_15\_132  
 + 1722 \* X\_15\_133 + 2018 \* X\_15\_134 <= 3000;  
 [\_19018] 2210 \* X\_15\_129 + 1086 \* X\_15\_131 + 2726 \* X\_15\_132 + 1722 \*  
 X\_15\_133 +  
 2018 \* X\_15\_134 + 1086 \* X\_15\_137 + 1122 \* X\_15\_140 + 1540 \* X\_15\_141  
 + 820 \*  
 X\_15\_142 + 2210 \* X\_15\_143 + 596 \* X\_15\_144 <= 3000;



[\_19019] 1086 \* X\_15\_137 + 1122 \* X\_15\_140 + 1540 \* X\_15\_141 + 820 \* X\_15\_142 +  
 2210 \* X\_15\_143 + 596 \* X\_15\_144 + 860 \* X\_15\_146 + 2726 \* X\_15\_147 +  
 1122 \* X\_15\_149 + 2018 \* X\_15\_150 + 2210 \* X\_15\_151 <= 3000;  
 [\_19020] 860 \* X\_15\_146 + 2726 \* X\_15\_147 + 1122 \* X\_15\_149 + 2018 \* X\_15\_150 +  
 2210 \* X\_15\_151 + 2210 \* X\_15\_153 + 1086 \* X\_15\_154 + 820 \* X\_15\_155 +  
 596 \* X\_15\_156 + 1722 \* X\_15\_159 + 1540 \* X\_15\_160 <= 3000;  
 [\_19021] 2210 \* X\_15\_153 + 1086 \* X\_15\_154 + 820 \* X\_15\_155 + 596 \* X\_15\_156 + 1722  
 \* X\_15\_159 + 1540 \* X\_15\_160 + 860 \* X\_15\_163 + 1122 \* X\_15\_164 +  
 2726 \* X\_15\_165 + 2018 \* X\_15\_166 + 2210 \* X\_15\_167 <= 3000;  
 [\_19022] 860 \* X\_15\_163 + 1122 \* X\_15\_164 + 2726 \* X\_15\_165 + 2018 \* X\_15\_166 +  
 2210 \* X\_15\_167 + 2210 \* X\_15\_171 + 1540 \* X\_15\_172 + 1722 \* X\_15\_173 +  
 596 \* X\_15\_174 + 820 \* X\_15\_175 + 1086 \* X\_15\_176 <= 3000;  
 [\_19023] 2210 \* X\_15\_171 + 1540 \* X\_15\_172 + 1722 \* X\_15\_173 + 596 \* X\_15\_174 + 820  
 \* X\_15\_175 + 1086 \* X\_15\_176 + 1122 \* X\_15\_177 + 2726 \* X\_15\_178 +  
 860 \* X\_15\_179 + 596 \* X\_15\_181 + 2210 \* X\_15\_183 <= 3000;  
 [\_19024] 1122 \* X\_15\_177 + 2726 \* X\_15\_178 + 860 \* X\_15\_179 + 596 \* X\_15\_181 + 2210  
 \* X\_15\_183 + 2210 \* X\_15\_185 + 2018 \* X\_15\_187 + 1540 \* X\_15\_188 +  
 1086 \* X\_15\_189 + 1722 \* X\_15\_191 + 820 \* X\_15\_192 <= 3000;  
 [\_19025] 2210 \* X\_15\_185 + 2018 \* X\_15\_187 + 1540 \* X\_15\_188 + 1086 \* X\_15\_189 +  
 1722 \* X\_15\_191 + 820 \* X\_15\_192 + 860 \* X\_15\_193 + 1122 \* X\_15\_194 +  
 2210 \* X\_15\_196 + 2726 \* X\_15\_197 + 596 \* X\_15\_200 <= 3000;  
 [\_19026] 860 \* X\_15\_193 + 1122 \* X\_15\_194 + 2210 \* X\_15\_196 + 2726 \* X\_15\_197 + 596  
 \* X\_15\_200 + 2018 \* X\_15\_201 + 1722 \* X\_15\_202 + 1086 \* X\_15\_203 +  
 820 \* X\_15\_204 + 1540 \* X\_15\_207 + 2210 \* X\_15\_208 <= 3000;  
 [\_19027] 2018 \* X\_15\_201 + 1722 \* X\_15\_202 + 1086 \* X\_15\_203 + 820 \* X\_15\_204 +  
 1540 \* X\_15\_207 + 2210 \* X\_15\_208 + 1122 \* X\_15\_210 + 596 \* X\_15\_212 +  
 2726 \* X\_15\_213 + 2210 \* X\_15\_214 + 860 \* X\_15\_215 + 1540 \* X\_15\_216 <= 3000;  
 [\_19028] 1122 \* X\_15\_210 + 596 \* X\_15\_212 + 2726 \* X\_15\_213 + 2210 \* X\_15\_214 + 860  
 \* X\_15\_215 + 1540 \* X\_15\_216 + 1086 \* X\_15\_217 + 2018 \* X\_15\_218 +  
 1722 \* X\_15\_221 + 2210 \* X\_15\_222 + 820 \* X\_15\_223 <= 3000;  
 [\_19029] 1086 \* X\_15\_217 + 2018 \* X\_15\_218 + 1722 \* X\_15\_221 + 2210 \* X\_15\_222 +  
 820 \* X\_15\_223 + 2210 \* X\_15\_225 + 1540 \* X\_15\_227 + 596 \* X\_15\_228 +  
 860 \* X\_15\_230 + 1122 \* X\_15\_231 + 2726 \* X\_15\_232 <= 3000;

[\_19030] 2210 \* X\_15\_225 + 1540 \* X\_15\_227 + 596 \* X\_15\_228 + 860 \*  
 X\_15\_230 + 1122  
 \* X\_15\_231 + 2726 \* X\_15\_232 + 1722 \* X\_15\_233 + 820 \* X\_15\_235 +  
 1086 \* X\_15\_236  
 + 2210 \* X\_15\_237 + 2018 \* X\_15\_239 <= 3000;  
 [\_19031] 2210 \* X\_16\_1 + 1086 \* X\_16\_2 + 1722 \* X\_16\_3 + 2018 \* X\_16\_4  
 + 2726 \*  
 X\_16\_8 + 2210 \* X\_16\_9 + 860 \* X\_16\_11 + 1122 \* X\_16\_12 + 820 \*  
 X\_16\_13 + 1540 \*  
 X\_16\_14 + 596 \* X\_16\_15 <= 3000;  
 [\_19032] 2210 \* X\_16\_9 + 860 \* X\_16\_11 + 1122 \* X\_16\_12 + 820 \*  
 X\_16\_13 + 1540 \*  
 X\_16\_14 + 596 \* X\_16\_15 + 1722 \* X\_16\_17 + 2726 \* X\_16\_18 + 2018 \*  
 X\_16\_19 + 860 \*  
 X\_16\_20 + 2210 \* X\_16\_21 <= 3000;  
 [\_19033] 1722 \* X\_16\_17 + 2726 \* X\_16\_18 + 2018 \* X\_16\_19 + 860 \*  
 X\_16\_20 + 2210 \*  
 X\_16\_21 + 1540 \* X\_16\_25 + 596 \* X\_16\_27 + 1086 \* X\_16\_28 + 1722 \*  
 X\_16\_29 + 820 \*  
 X\_16\_30 + 2210 \* X\_16\_32 <= 3000;  
 [\_19034] 1540 \* X\_16\_25 + 596 \* X\_16\_27 + 1086 \* X\_16\_28 + 1722 \*  
 X\_16\_29 + 820 \*  
 X\_16\_30 + 2210 \* X\_16\_32 + 2726 \* X\_16\_33 + 2018 \* X\_16\_34 + 2210 \*  
 X\_16\_35 + 860  
 \* X\_16\_36 + 1122 \* X\_16\_37 <= 3000;  
 [\_19035] 2726 \* X\_16\_33 + 2018 \* X\_16\_34 + 2210 \* X\_16\_35 + 860 \*  
 X\_16\_36 + 1122 \*  
 X\_16\_37 + 2210 \* X\_16\_43 + 596 \* X\_16\_44 + 1540 \* X\_16\_45 + 1722 \*  
 X\_16\_46 + 1086  
 \* X\_16\_47 + 820 \* X\_16\_48 <= 3000;  
 [\_19036] 2210 \* X\_16\_43 + 596 \* X\_16\_44 + 1540 \* X\_16\_45 + 1722 \*  
 X\_16\_46 + 1086 \*  
 X\_16\_47 + 820 \* X\_16\_48 + 2018 \* X\_16\_49 + 2726 \* X\_16\_50 + 1122 \*  
 X\_16\_51 + 860 \*  
 X\_16\_52 + 2210 \* X\_16\_53 <= 3000;  
 [\_19037] 2018 \* X\_16\_49 + 2726 \* X\_16\_50 + 1122 \* X\_16\_51 + 860 \*  
 X\_16\_52 + 2210 \*  
 X\_16\_53 + 1540 \* X\_16\_57 + 2018 \* X\_16\_58 + 2210 \* X\_16\_60 + 820 \*  
 X\_16\_61 + 1722  
 \* X\_16\_62 + 1086 \* X\_16\_64 <= 3000;  
 [\_19038] 1540 \* X\_16\_57 + 2018 \* X\_16\_58 + 2210 \* X\_16\_60 + 820 \*  
 X\_16\_61 + 1722 \*  
 X\_16\_62 + 1086 \* X\_16\_64 + 596 \* X\_16\_65 + 1122 \* X\_16\_66 + 2210 \*  
 X\_16\_67 + 2726  
 \* X\_16\_69 + 860 \* X\_16\_72 <= 3000;  
 [\_19039] 596 \* X\_16\_65 + 1122 \* X\_16\_66 + 2210 \* X\_16\_67 + 2726 \*  
 X\_16\_69 + 860 \*  
 X\_16\_72 + 1722 \* X\_16\_73 + 820 \* X\_16\_74 + 1086 \* X\_16\_76 + 2018 \*  
 X\_16\_78 + 2210  
 \* X\_16\_79 + 1540 \* X\_16\_80 <= 3000;  
 [\_19040] 1722 \* X\_16\_73 + 820 \* X\_16\_74 + 1086 \* X\_16\_76 + 2018 \*  
 X\_16\_78 + 2210 \*  
 X\_16\_79 + 1540 \* X\_16\_80 + 2726 \* X\_16\_82 + 1122 \* X\_16\_83 + 596 \*  
 X\_16\_85 + 860 \*  
 X\_16\_86 + 2210 \* X\_16\_87 <= 3000;  
 [\_19041] 2726 \* X\_16\_82 + 1122 \* X\_16\_83 + 596 \* X\_16\_85 + 860 \*  
 X\_16\_86 + 2210 \*

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X_16_87 + 1086 * X_16_91 + 1722 * X_16_92 + 2210 * X_16_93 + 2018 *
X_16_95 + 820
* X_16_96 <= 3000;
[_19042] 1086 * X_16_91 + 1722 * X_16_92 + 2210 * X_16_93 + 2018 *
X_16_95 + 820 *
X_16_96 + 596 * X_16_97 + 1122 * X_16_98 + 2726 * X_16_100 + 860 *
X_16_102 + 2210
* X_16_103 + 1540 * X_16_104 <= 3000;
[_19043] 596 * X_16_97 + 1122 * X_16_98 + 2726 * X_16_100 + 860 *
X_16_102 + 2210 *
X_16_103 + 1540 * X_16_104 + 1722 * X_16_105 + 820 * X_16_106 + 1086
* X_16_107 +
2018 * X_16_109 + 2210 * X_16_111 <= 3000;
[_19044] 1722 * X_16_105 + 820 * X_16_106 + 1086 * X_16_107 + 2018 *
X_16_109 +
2210 * X_16_111 + 1540 * X_16_113 + 2210 * X_16_114 + 2726 * X_16_115
+ 1122 *
X_16_118 + 596 * X_16_119 + 860 * X_16_120 <= 3000;
[_19045] 1540 * X_16_113 + 2210 * X_16_114 + 2726 * X_16_115 + 1122 *
X_16_118 +
596 * X_16_119 + 860 * X_16_120 + 596 * X_16_121 + 820 * X_16_122 +
2210 *
X_16_124 + 1540 * X_16_125 + 1122 * X_16_127 + 860 * X_16_128 <=
3000;
[_19046] 596 * X_16_121 + 820 * X_16_122 + 2210 * X_16_124 + 1540 *
X_16_125 + 1122
* X_16_127 + 860 * X_16_128 + 2210 * X_16_129 + 1086 * X_16_131 +
2726 * X_16_132
+ 1722 * X_16_133 + 2018 * X_16_134 <= 3000;
[_19047] 2210 * X_16_129 + 1086 * X_16_131 + 2726 * X_16_132 + 1722 *
X_16_133 +
2018 * X_16_134 + 1086 * X_16_137 + 1122 * X_16_140 + 1540 * X_16_141
+ 820 *
X_16_142 + 2210 * X_16_143 + 596 * X_16_144 <= 3000;
[_19048] 1086 * X_16_137 + 1122 * X_16_140 + 1540 * X_16_141 + 820 *
X_16_142 +
2210 * X_16_143 + 596 * X_16_144 + 860 * X_16_146 + 2726 * X_16_147 +
1122 *
X_16_149 + 2018 * X_16_150 + 2210 * X_16_151 <= 3000;
[_19049] 860 * X_16_146 + 2726 * X_16_147 + 1122 * X_16_149 + 2018 *
X_16_150 +
2210 * X_16_151 + 2210 * X_16_153 + 1086 * X_16_154 + 820 * X_16_155
+ 596 *
X_16_156 + 1722 * X_16_159 + 1540 * X_16_160 <= 3000;
[_19050] 2210 * X_16_153 + 1086 * X_16_154 + 820 * X_16_155 + 596 *
X_16_156 + 1722
* X_16_159 + 1540 * X_16_160 + 860 * X_16_163 + 1122 * X_16_164 +
2726 * X_16_165
+ 2018 * X_16_166 + 2210 * X_16_167 <= 3000;
[_19051] 860 * X_16_163 + 1122 * X_16_164 + 2726 * X_16_165 + 2018 *
X_16_166 +
2210 * X_16_167 + 2210 * X_16_171 + 1540 * X_16_172 + 1722 * X_16_173
+ 596 *
X_16_174 + 820 * X_16_175 + 1086 * X_16_176 <= 3000;
[_19052] 2210 * X_16_171 + 1540 * X_16_172 + 1722 * X_16_173 + 596 *
X_16_174 + 820

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* X_16_175 + 1086 * X_16_176 + 1122 * X_16_177 + 2726 * X_16_178 +
860 * X_16_179
+ 596 * X_16_181 + 2210 * X_16_183 <= 3000;
[_19053] 1122 * X_16_177 + 2726 * X_16_178 + 860 * X_16_179 + 596 *
X_16_181 + 2210
* X_16_183 + 2210 * X_16_185 + 2018 * X_16_187 + 1540 * X_16_188 +
1086 * X_16_189
+ 1722 * X_16_191 + 820 * X_16_192 <= 3000;
[_19054] 2210 * X_16_185 + 2018 * X_16_187 + 1540 * X_16_188 + 1086 *
X_16_189 +
1722 * X_16_191 + 820 * X_16_192 + 860 * X_16_193 + 1122 * X_16_194 +
2210 *
X_16_196 + 2726 * X_16_197 + 596 * X_16_200 <= 3000;
[_19055] 860 * X_16_193 + 1122 * X_16_194 + 2210 * X_16_196 + 2726 *
X_16_197 + 596
* X_16_200 + 2018 * X_16_201 + 1722 * X_16_202 + 1086 * X_16_203 +
820 * X_16_204
+ 1540 * X_16_207 + 2210 * X_16_208 <= 3000;
[_19056] 2018 * X_16_201 + 1722 * X_16_202 + 1086 * X_16_203 + 820 *
X_16_204 +
1540 * X_16_207 + 2210 * X_16_208 + 1122 * X_16_210 + 596 * X_16_212
+ 2726 *
X_16_213 + 2210 * X_16_214 + 860 * X_16_215 + 1540 * X_16_216 <=
3000;
[_19057] 1122 * X_16_210 + 596 * X_16_212 + 2726 * X_16_213 + 2210 *
X_16_214 + 860
* X_16_215 + 1540 * X_16_216 + 1086 * X_16_217 + 2018 * X_16_218 +
1722 * X_16_221
+ 2210 * X_16_222 + 820 * X_16_223 <= 3000;
[_19058] 1086 * X_16_217 + 2018 * X_16_218 + 1722 * X_16_221 + 2210 *
X_16_222 +
820 * X_16_223 + 2210 * X_16_225 + 1540 * X_16_227 + 596 * X_16_228 +
860 *
X_16_230 + 1122 * X_16_231 + 2726 * X_16_232 <= 3000;
[_19059] 2210 * X_16_225 + 1540 * X_16_227 + 596 * X_16_228 + 860 *
X_16_230 + 1122
* X_16_231 + 2726 * X_16_232 + 1722 * X_16_233 + 820 * X_16_235 +
1086 * X_16_236
+ 2210 * X_16_237 + 2018 * X_16_239 <= 3000;
[_19060] 2210 * X_17_1 + 1086 * X_17_2 + 1722 * X_17_3 + 2018 * X_17_4
+ 2726 *
X_17_8 + 2210 * X_17_9 + 860 * X_17_11 + 1122 * X_17_12 + 820 *
X_17_13 + 1540 *
X_17_14 + 596 * X_17_15 <= 3000;
[_19061] 2210 * X_17_9 + 860 * X_17_11 + 1122 * X_17_12 + 820 *
X_17_13 + 1540 *
X_17_14 + 596 * X_17_15 + 1722 * X_17_17 + 2726 * X_17_18 + 2018 *
X_17_19 + 860 *
X_17_20 + 2210 * X_17_21 <= 3000;
[_19062] 1722 * X_17_17 + 2726 * X_17_18 + 2018 * X_17_19 + 860 *
X_17_20 + 2210 *
X_17_21 + 1540 * X_17_25 + 596 * X_17_27 + 1086 * X_17_28 + 1722 *
X_17_29 + 820 *
X_17_30 + 2210 * X_17_32 <= 3000;
[_19063] 1540 * X_17_25 + 596 * X_17_27 + 1086 * X_17_28 + 1722 *
X_17_29 + 820 *

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$X_{17\_30} + 2210 * X_{17\_32} + 2726 * X_{17\_33} + 2018 * X_{17\_34} + 2210 * X_{17\_35} + 860$   
 $* X_{17\_36} + 1122 * X_{17\_37} \leq 3000;$   
 [\_19064]  $2726 * X_{17\_33} + 2018 * X_{17\_34} + 2210 * X_{17\_35} + 860 * X_{17\_36} + 1122 *$   
 $X_{17\_37} + 2210 * X_{17\_43} + 596 * X_{17\_44} + 1540 * X_{17\_45} + 1722 * X_{17\_46} + 1086$   
 $* X_{17\_47} + 820 * X_{17\_48} \leq 3000;$   
 [\_19065]  $2210 * X_{17\_43} + 596 * X_{17\_44} + 1540 * X_{17\_45} + 1722 * X_{17\_46} + 1086 *$   
 $X_{17\_47} + 820 * X_{17\_48} + 2018 * X_{17\_49} + 2726 * X_{17\_50} + 1122 * X_{17\_51} + 860 *$   
 $X_{17\_52} + 2210 * X_{17\_53} \leq 3000;$   
 [\_19066]  $2018 * X_{17\_49} + 2726 * X_{17\_50} + 1122 * X_{17\_51} + 860 * X_{17\_52} + 2210 *$   
 $X_{17\_53} + 1540 * X_{17\_57} + 2018 * X_{17\_58} + 2210 * X_{17\_60} + 820 * X_{17\_61} + 1722$   
 $* X_{17\_62} + 1086 * X_{17\_64} \leq 3000;$   
 [\_19067]  $1540 * X_{17\_57} + 2018 * X_{17\_58} + 2210 * X_{17\_60} + 820 * X_{17\_61} + 1722 *$   
 $X_{17\_62} + 1086 * X_{17\_64} + 596 * X_{17\_65} + 1122 * X_{17\_66} + 2210 * X_{17\_67} + 2726$   
 $* X_{17\_69} + 860 * X_{17\_72} \leq 3000;$   
 [\_19068]  $596 * X_{17\_65} + 1122 * X_{17\_66} + 2210 * X_{17\_67} + 2726 * X_{17\_69} + 860 *$   
 $X_{17\_72} + 1722 * X_{17\_73} + 820 * X_{17\_74} + 1086 * X_{17\_76} + 2018 * X_{17\_78} + 2210$   
 $* X_{17\_79} + 1540 * X_{17\_80} \leq 3000;$   
 [\_19069]  $1722 * X_{17\_73} + 820 * X_{17\_74} + 1086 * X_{17\_76} + 2018 * X_{17\_78} + 2210 *$   
 $X_{17\_79} + 1540 * X_{17\_80} + 2726 * X_{17\_82} + 1122 * X_{17\_83} + 596 * X_{17\_85} + 860 *$   
 $X_{17\_86} + 2210 * X_{17\_87} \leq 3000;$   
 [\_19070]  $2726 * X_{17\_82} + 1122 * X_{17\_83} + 596 * X_{17\_85} + 860 * X_{17\_86} + 2210 *$   
 $X_{17\_87} + 1086 * X_{17\_91} + 1722 * X_{17\_92} + 2210 * X_{17\_93} + 2018 * X_{17\_95} + 820$   
 $* X_{17\_96} \leq 3000;$   
 [\_19071]  $1086 * X_{17\_91} + 1722 * X_{17\_92} + 2210 * X_{17\_93} + 2018 * X_{17\_95} + 820 *$   
 $X_{17\_96} + 596 * X_{17\_97} + 1122 * X_{17\_98} + 2726 * X_{17\_100} + 860 * X_{17\_102} + 2210$   
 $* X_{17\_103} + 1540 * X_{17\_104} \leq 3000;$   
 [\_19072]  $596 * X_{17\_97} + 1122 * X_{17\_98} + 2726 * X_{17\_100} + 860 * X_{17\_102} + 2210 *$   
 $X_{17\_103} + 1540 * X_{17\_104} + 1722 * X_{17\_105} + 820 * X_{17\_106} + 1086 * X_{17\_107} +$   
 $2018 * X_{17\_109} + 2210 * X_{17\_111} \leq 3000;$   
 [\_19073]  $1722 * X_{17\_105} + 820 * X_{17\_106} + 1086 * X_{17\_107} + 2018 * X_{17\_109} +$   
 $2210 * X_{17\_111} + 1540 * X_{17\_113} + 2210 * X_{17\_114} + 2726 * X_{17\_115} + 1122 *$   
 $X_{17\_118} + 596 * X_{17\_119} + 860 * X_{17\_120} \leq 3000;$   
 [\_19074]  $1540 * X_{17\_113} + 2210 * X_{17\_114} + 2726 * X_{17\_115} + 1122 * X_{17\_118} +$   
 $596 * X_{17\_119} + 860 * X_{17\_120} + 596 * X_{17\_121} + 820 * X_{17\_122} + 2210 *$

$X_{17\_124} + 1540 * X_{17\_125} + 1122 * X_{17\_127} + 860 * X_{17\_128} \leq 3000;$   
 [\_19075]  $596 * X_{17\_121} + 820 * X_{17\_122} + 2210 * X_{17\_124} + 1540 * X_{17\_125} + 1122 * X_{17\_127} + 860 * X_{17\_128} + 2210 * X_{17\_129} + 1086 * X_{17\_131} + 2726 * X_{17\_132} + 1722 * X_{17\_133} + 2018 * X_{17\_134} \leq 3000;$   
 [\_19076]  $2210 * X_{17\_129} + 1086 * X_{17\_131} + 2726 * X_{17\_132} + 1722 * X_{17\_133} + 2018 * X_{17\_134} + 1086 * X_{17\_137} + 1122 * X_{17\_140} + 1540 * X_{17\_141} + 820 * X_{17\_142} + 2210 * X_{17\_143} + 596 * X_{17\_144} \leq 3000;$   
 [\_19077]  $1086 * X_{17\_137} + 1122 * X_{17\_140} + 1540 * X_{17\_141} + 820 * X_{17\_142} + 2210 * X_{17\_143} + 596 * X_{17\_144} + 860 * X_{17\_146} + 2726 * X_{17\_147} + 1122 * X_{17\_149} + 2018 * X_{17\_150} + 2210 * X_{17\_151} \leq 3000;$   
 [\_19078]  $860 * X_{17\_146} + 2726 * X_{17\_147} + 1122 * X_{17\_149} + 2018 * X_{17\_150} + 2210 * X_{17\_151} + 2210 * X_{17\_153} + 1086 * X_{17\_154} + 820 * X_{17\_155} + 596 * X_{17\_156} + 1722 * X_{17\_159} + 1540 * X_{17\_160} \leq 3000;$   
 [\_19079]  $2210 * X_{17\_153} + 1086 * X_{17\_154} + 820 * X_{17\_155} + 596 * X_{17\_156} + 1722 * X_{17\_159} + 1540 * X_{17\_160} + 860 * X_{17\_163} + 1122 * X_{17\_164} + 2726 * X_{17\_165} + 2018 * X_{17\_166} + 2210 * X_{17\_167} \leq 3000;$   
 [\_19080]  $860 * X_{17\_163} + 1122 * X_{17\_164} + 2726 * X_{17\_165} + 2018 * X_{17\_166} + 2210 * X_{17\_167} + 2210 * X_{17\_171} + 1540 * X_{17\_172} + 1722 * X_{17\_173} + 596 * X_{17\_174} + 820 * X_{17\_175} + 1086 * X_{17\_176} \leq 3000;$   
 [\_19081]  $2210 * X_{17\_171} + 1540 * X_{17\_172} + 1722 * X_{17\_173} + 596 * X_{17\_174} + 820 * X_{17\_175} + 1086 * X_{17\_176} + 1122 * X_{17\_177} + 2726 * X_{17\_178} + 860 * X_{17\_179} + 596 * X_{17\_181} + 2210 * X_{17\_183} \leq 3000;$   
 [\_19082]  $1122 * X_{17\_177} + 2726 * X_{17\_178} + 860 * X_{17\_179} + 596 * X_{17\_181} + 2210 * X_{17\_183} + 2210 * X_{17\_185} + 2018 * X_{17\_187} + 1540 * X_{17\_188} + 1086 * X_{17\_189} + 1722 * X_{17\_191} + 820 * X_{17\_192} \leq 3000;$   
 [\_19083]  $2210 * X_{17\_185} + 2018 * X_{17\_187} + 1540 * X_{17\_188} + 1086 * X_{17\_189} + 1722 * X_{17\_191} + 820 * X_{17\_192} + 860 * X_{17\_193} + 1122 * X_{17\_194} + 2210 * X_{17\_196} + 2726 * X_{17\_197} + 596 * X_{17\_200} \leq 3000;$   
 [\_19084]  $860 * X_{17\_193} + 1122 * X_{17\_194} + 2210 * X_{17\_196} + 2726 * X_{17\_197} + 596 * X_{17\_200} + 2018 * X_{17\_201} + 1722 * X_{17\_202} + 1086 * X_{17\_203} + 820 * X_{17\_204} + 1540 * X_{17\_207} + 2210 * X_{17\_208} \leq 3000;$   
 [\_19085]  $2018 * X_{17\_201} + 1722 * X_{17\_202} + 1086 * X_{17\_203} + 820 * X_{17\_204} + 1540 * X_{17\_207} + 2210 * X_{17\_208} + 1122 * X_{17\_210} + 596 * X_{17\_212} + 2726 * X_{17\_213}$

$X_{17\_213} + 2210 * X_{17\_214} + 860 * X_{17\_215} + 1540 * X_{17\_216} \leq 3000;$   
 [\_19086]  $1122 * X_{17\_210} + 596 * X_{17\_212} + 2726 * X_{17\_213} + 2210 * X_{17\_214} + 860 * X_{17\_215} + 1540 * X_{17\_216} + 1086 * X_{17\_217} + 2018 * X_{17\_218} + 1722 * X_{17\_221} + 2210 * X_{17\_222} + 820 * X_{17\_223} \leq 3000;$   
 [\_19087]  $1086 * X_{17\_217} + 2018 * X_{17\_218} + 1722 * X_{17\_221} + 2210 * X_{17\_222} + 820 * X_{17\_223} + 2210 * X_{17\_225} + 1540 * X_{17\_227} + 596 * X_{17\_228} + 860 * X_{17\_230} + 1122 * X_{17\_231} + 2726 * X_{17\_232} \leq 3000;$   
 [\_19088]  $2210 * X_{17\_225} + 1540 * X_{17\_227} + 596 * X_{17\_228} + 860 * X_{17\_230} + 1122 * X_{17\_231} + 2726 * X_{17\_232} + 1722 * X_{17\_233} + 820 * X_{17\_235} + 1086 * X_{17\_236} + 2210 * X_{17\_237} + 2018 * X_{17\_239} \leq 3000;$   
 [\_19089]  $2210 * X_{18\_1} + 1086 * X_{18\_2} + 1722 * X_{18\_3} + 2018 * X_{18\_4} + 2726 * X_{18\_8} + 2210 * X_{18\_9} + 860 * X_{18\_11} + 1122 * X_{18\_12} + 820 * X_{18\_13} + 1540 * X_{18\_14} + 596 * X_{18\_15} \leq 3000;$   
 [\_19090]  $2210 * X_{18\_9} + 860 * X_{18\_11} + 1122 * X_{18\_12} + 820 * X_{18\_13} + 1540 * X_{18\_14} + 596 * X_{18\_15} + 1722 * X_{18\_17} + 2726 * X_{18\_18} + 2018 * X_{18\_19} + 860 * X_{18\_20} + 2210 * X_{18\_21} \leq 3000;$   
 [\_19091]  $1722 * X_{18\_17} + 2726 * X_{18\_18} + 2018 * X_{18\_19} + 860 * X_{18\_20} + 2210 * X_{18\_21} + 1540 * X_{18\_25} + 596 * X_{18\_27} + 1086 * X_{18\_28} + 1722 * X_{18\_29} + 820 * X_{18\_30} + 2210 * X_{18\_32} \leq 3000;$   
 [\_19092]  $1540 * X_{18\_25} + 596 * X_{18\_27} + 1086 * X_{18\_28} + 1722 * X_{18\_29} + 820 * X_{18\_30} + 2210 * X_{18\_32} + 2726 * X_{18\_33} + 2018 * X_{18\_34} + 2210 * X_{18\_35} + 860 * X_{18\_36} + 1122 * X_{18\_37} \leq 3000;$   
 [\_19093]  $2726 * X_{18\_33} + 2018 * X_{18\_34} + 2210 * X_{18\_35} + 860 * X_{18\_36} + 1122 * X_{18\_37} + 2210 * X_{18\_43} + 596 * X_{18\_44} + 1540 * X_{18\_45} + 1722 * X_{18\_46} + 1086 * X_{18\_47} + 820 * X_{18\_48} \leq 3000;$   
 [\_19094]  $2210 * X_{18\_43} + 596 * X_{18\_44} + 1540 * X_{18\_45} + 1722 * X_{18\_46} + 1086 * X_{18\_47} + 820 * X_{18\_48} + 2018 * X_{18\_49} + 2726 * X_{18\_50} + 1122 * X_{18\_51} + 860 * X_{18\_52} + 2210 * X_{18\_53} \leq 3000;$   
 [\_19095]  $2018 * X_{18\_49} + 2726 * X_{18\_50} + 1122 * X_{18\_51} + 860 * X_{18\_52} + 2210 * X_{18\_53} + 1540 * X_{18\_57} + 2018 * X_{18\_58} + 2210 * X_{18\_60} + 820 * X_{18\_61} + 1722 * X_{18\_62} + 1086 * X_{18\_64} \leq 3000;$   
 [\_19096]  $1540 * X_{18\_57} + 2018 * X_{18\_58} + 2210 * X_{18\_60} + 820 * X_{18\_61} + 1722 * X_{18\_62} + 1086 * X_{18\_64} + 596 * X_{18\_65} + 1122 * X_{18\_66} + 2210 * X_{18\_67} + 2726 * X_{18\_69} + 860 * X_{18\_72} \leq 3000;$

[\_19097] 596 \* X\_18\_65 + 1122 \* X\_18\_66 + 2210 \* X\_18\_67 + 2726 \*  
 X\_18\_69 + 860 \*  
 X\_18\_72 + 1722 \* X\_18\_73 + 820 \* X\_18\_74 + 1086 \* X\_18\_76 + 2018 \*  
 X\_18\_78 + 2210  
 \* X\_18\_79 + 1540 \* X\_18\_80 <= 3000;  
 [\_19098] 1722 \* X\_18\_73 + 820 \* X\_18\_74 + 1086 \* X\_18\_76 + 2018 \*  
 X\_18\_78 + 2210 \*  
 X\_18\_79 + 1540 \* X\_18\_80 + 2726 \* X\_18\_82 + 1122 \* X\_18\_83 + 596 \*  
 X\_18\_85 + 860 \*  
 X\_18\_86 + 2210 \* X\_18\_87 <= 3000;  
 [\_19099] 2726 \* X\_18\_82 + 1122 \* X\_18\_83 + 596 \* X\_18\_85 + 860 \*  
 X\_18\_86 + 2210 \*  
 X\_18\_87 + 1086 \* X\_18\_91 + 1722 \* X\_18\_92 + 2210 \* X\_18\_93 + 2018 \*  
 X\_18\_95 + 820  
 \* X\_18\_96 <= 3000;  
 [\_19100] 1086 \* X\_18\_91 + 1722 \* X\_18\_92 + 2210 \* X\_18\_93 + 2018 \*  
 X\_18\_95 + 820 \*  
 X\_18\_96 + 596 \* X\_18\_97 + 1122 \* X\_18\_98 + 2726 \* X\_18\_100 + 860 \*  
 X\_18\_102 + 2210  
 \* X\_18\_103 + 1540 \* X\_18\_104 <= 3000;  
 [\_19101] 596 \* X\_18\_97 + 1122 \* X\_18\_98 + 2726 \* X\_18\_100 + 860 \*  
 X\_18\_102 + 2210 \*  
 X\_18\_103 + 1540 \* X\_18\_104 + 1722 \* X\_18\_105 + 820 \* X\_18\_106 + 1086  
 \* X\_18\_107 +  
 2018 \* X\_18\_109 + 2210 \* X\_18\_111 <= 3000;  
 [\_19102] 1722 \* X\_18\_105 + 820 \* X\_18\_106 + 1086 \* X\_18\_107 + 2018 \*  
 X\_18\_109 +  
 2210 \* X\_18\_111 + 1540 \* X\_18\_113 + 2210 \* X\_18\_114 + 2726 \* X\_18\_115  
 + 1122 \*  
 X\_18\_118 + 596 \* X\_18\_119 + 860 \* X\_18\_120 <= 3000;  
 [\_19103] 1540 \* X\_18\_113 + 2210 \* X\_18\_114 + 2726 \* X\_18\_115 + 1122 \*  
 X\_18\_118 +  
 596 \* X\_18\_119 + 860 \* X\_18\_120 + 596 \* X\_18\_121 + 820 \* X\_18\_122 +  
 2210 \*  
 X\_18\_124 + 1540 \* X\_18\_125 + 1122 \* X\_18\_127 + 860 \* X\_18\_128 <=  
 3000;  
 [\_19104] 596 \* X\_18\_121 + 820 \* X\_18\_122 + 2210 \* X\_18\_124 + 1540 \*  
 X\_18\_125 + 1122  
 \* X\_18\_127 + 860 \* X\_18\_128 + 2210 \* X\_18\_129 + 1086 \* X\_18\_131 +  
 2726 \* X\_18\_132  
 + 1722 \* X\_18\_133 + 2018 \* X\_18\_134 <= 3000;  
 [\_19105] 2210 \* X\_18\_129 + 1086 \* X\_18\_131 + 2726 \* X\_18\_132 + 1722 \*  
 X\_18\_133 +  
 2018 \* X\_18\_134 + 1086 \* X\_18\_137 + 1122 \* X\_18\_140 + 1540 \* X\_18\_141  
 + 820 \*  
 X\_18\_142 + 2210 \* X\_18\_143 + 596 \* X\_18\_144 <= 3000;  
 [\_19106] 1086 \* X\_18\_137 + 1122 \* X\_18\_140 + 1540 \* X\_18\_141 + 820 \*  
 X\_18\_142 +  
 2210 \* X\_18\_143 + 596 \* X\_18\_144 + 860 \* X\_18\_146 + 2726 \* X\_18\_147 +  
 1122 \*  
 X\_18\_149 + 2018 \* X\_18\_150 + 2210 \* X\_18\_151 <= 3000;  
 [\_19107] 860 \* X\_18\_146 + 2726 \* X\_18\_147 + 1122 \* X\_18\_149 + 2018 \*  
 X\_18\_150 +  
 2210 \* X\_18\_151 + 2210 \* X\_18\_153 + 1086 \* X\_18\_154 + 820 \* X\_18\_155  
 + 596 \*  
 X\_18\_156 + 1722 \* X\_18\_159 + 1540 \* X\_18\_160 <= 3000;



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[_19108] 2210 * X_18_153 + 1086 * X_18_154 + 820 * X_18_155 + 596 *
X_18_156 + 1722
* X_18_159 + 1540 * X_18_160 + 860 * X_18_163 + 1122 * X_18_164 +
2726 * X_18_165
+ 2018 * X_18_166 + 2210 * X_18_167 <= 3000;
[_19109] 860 * X_18_163 + 1122 * X_18_164 + 2726 * X_18_165 + 2018 *
X_18_166 +
2210 * X_18_167 + 2210 * X_18_171 + 1540 * X_18_172 + 1722 * X_18_173
+ 596 *
X_18_174 + 820 * X_18_175 + 1086 * X_18_176 <= 3000;
[_19110] 2210 * X_18_171 + 1540 * X_18_172 + 1722 * X_18_173 + 596 *
X_18_174 + 820
* X_18_175 + 1086 * X_18_176 + 1122 * X_18_177 + 2726 * X_18_178 +
860 * X_18_179
+ 596 * X_18_181 + 2210 * X_18_183 <= 3000;
[_19111] 1122 * X_18_177 + 2726 * X_18_178 + 860 * X_18_179 + 596 *
X_18_181 + 2210
* X_18_183 + 2210 * X_18_185 + 2018 * X_18_187 + 1540 * X_18_188 +
1086 * X_18_189
+ 1722 * X_18_191 + 820 * X_18_192 <= 3000;
[_19112] 2210 * X_18_185 + 2018 * X_18_187 + 1540 * X_18_188 + 1086 *
X_18_189 +
1722 * X_18_191 + 820 * X_18_192 + 860 * X_18_193 + 1122 * X_18_194 +
2210 *
X_18_196 + 2726 * X_18_197 + 596 * X_18_200 <= 3000;
[_19113] 860 * X_18_193 + 1122 * X_18_194 + 2210 * X_18_196 + 2726 *
X_18_197 + 596
* X_18_200 + 2018 * X_18_201 + 1722 * X_18_202 + 1086 * X_18_203 +
820 * X_18_204
+ 1540 * X_18_207 + 2210 * X_18_208 <= 3000;
[_19114] 2018 * X_18_201 + 1722 * X_18_202 + 1086 * X_18_203 + 820 *
X_18_204 +
1540 * X_18_207 + 2210 * X_18_208 + 1122 * X_18_210 + 596 * X_18_212
+ 2726 *
X_18_213 + 2210 * X_18_214 + 860 * X_18_215 + 1540 * X_18_216 <=
3000;
[_19115] 1122 * X_18_210 + 596 * X_18_212 + 2726 * X_18_213 + 2210 *
X_18_214 + 860
* X_18_215 + 1540 * X_18_216 + 1086 * X_18_217 + 2018 * X_18_218 +
1722 * X_18_221
+ 2210 * X_18_222 + 820 * X_18_223 <= 3000;
[_19116] 1086 * X_18_217 + 2018 * X_18_218 + 1722 * X_18_221 + 2210 *
X_18_222 +
820 * X_18_223 + 2210 * X_18_225 + 1540 * X_18_227 + 596 * X_18_228 +
860 *
X_18_230 + 1122 * X_18_231 + 2726 * X_18_232 <= 3000;
[_19117] 2210 * X_18_225 + 1540 * X_18_227 + 596 * X_18_228 + 860 *
X_18_230 + 1122
* X_18_231 + 2726 * X_18_232 + 1722 * X_18_233 + 820 * X_18_235 +
1086 * X_18_236
+ 2210 * X_18_237 + 2018 * X_18_239 <= 3000;
[_19118] 2210 * X_19_1 + 1086 * X_19_2 + 1722 * X_19_3 + 2018 * X_19_4
+ 2726 *
X_19_8 + 2210 * X_19_9 + 860 * X_19_11 + 1122 * X_19_12 + 820 *
X_19_13 + 1540 *
X_19_14 + 596 * X_19_15 <= 3000;

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[\_19119] 2210 \* X\_19\_9 + 860 \* X\_19\_11 + 1122 \* X\_19\_12 + 820 \*  
 X\_19\_13 + 1540 \*  
 X\_19\_14 + 596 \* X\_19\_15 + 1722 \* X\_19\_17 + 2726 \* X\_19\_18 + 2018 \*  
 X\_19\_19 + 860 \*  
 X\_19\_20 + 2210 \* X\_19\_21 <= 3000;  
 [\_19120] 1722 \* X\_19\_17 + 2726 \* X\_19\_18 + 2018 \* X\_19\_19 + 860 \*  
 X\_19\_20 + 2210 \*  
 X\_19\_21 + 1540 \* X\_19\_25 + 596 \* X\_19\_27 + 1086 \* X\_19\_28 + 1722 \*  
 X\_19\_29 + 820 \*  
 X\_19\_30 + 2210 \* X\_19\_32 <= 3000;  
 [\_19121] 1540 \* X\_19\_25 + 596 \* X\_19\_27 + 1086 \* X\_19\_28 + 1722 \*  
 X\_19\_29 + 820 \*  
 X\_19\_30 + 2210 \* X\_19\_32 + 2726 \* X\_19\_33 + 2018 \* X\_19\_34 + 2210 \*  
 X\_19\_35 + 860  
 \* X\_19\_36 + 1122 \* X\_19\_37 <= 3000;  
 [\_19122] 2726 \* X\_19\_33 + 2018 \* X\_19\_34 + 2210 \* X\_19\_35 + 860 \*  
 X\_19\_36 + 1122 \*  
 X\_19\_37 + 2210 \* X\_19\_43 + 596 \* X\_19\_44 + 1540 \* X\_19\_45 + 1722 \*  
 X\_19\_46 + 1086  
 \* X\_19\_47 + 820 \* X\_19\_48 <= 3000;  
 [\_19123] 2210 \* X\_19\_43 + 596 \* X\_19\_44 + 1540 \* X\_19\_45 + 1722 \*  
 X\_19\_46 + 1086 \*  
 X\_19\_47 + 820 \* X\_19\_48 + 2018 \* X\_19\_49 + 2726 \* X\_19\_50 + 1122 \*  
 X\_19\_51 + 860 \*  
 X\_19\_52 + 2210 \* X\_19\_53 <= 3000;  
 [\_19124] 2018 \* X\_19\_49 + 2726 \* X\_19\_50 + 1122 \* X\_19\_51 + 860 \*  
 X\_19\_52 + 2210 \*  
 X\_19\_53 + 1540 \* X\_19\_57 + 2018 \* X\_19\_58 + 2210 \* X\_19\_60 + 820 \*  
 X\_19\_61 + 1722  
 \* X\_19\_62 + 1086 \* X\_19\_64 <= 3000;  
 [\_19125] 1540 \* X\_19\_57 + 2018 \* X\_19\_58 + 2210 \* X\_19\_60 + 820 \*  
 X\_19\_61 + 1722 \*  
 X\_19\_62 + 1086 \* X\_19\_64 + 596 \* X\_19\_65 + 1122 \* X\_19\_66 + 2210 \*  
 X\_19\_67 + 2726  
 \* X\_19\_69 + 860 \* X\_19\_72 <= 3000;  
 [\_19126] 596 \* X\_19\_65 + 1122 \* X\_19\_66 + 2210 \* X\_19\_67 + 2726 \*  
 X\_19\_69 + 860 \*  
 X\_19\_72 + 1722 \* X\_19\_73 + 820 \* X\_19\_74 + 1086 \* X\_19\_76 + 2018 \*  
 X\_19\_78 + 2210  
 \* X\_19\_79 + 1540 \* X\_19\_80 <= 3000;  
 [\_19127] 1722 \* X\_19\_73 + 820 \* X\_19\_74 + 1086 \* X\_19\_76 + 2018 \*  
 X\_19\_78 + 2210 \*  
 X\_19\_79 + 1540 \* X\_19\_80 + 2726 \* X\_19\_82 + 1122 \* X\_19\_83 + 596 \*  
 X\_19\_85 + 860 \*  
 X\_19\_86 + 2210 \* X\_19\_87 <= 3000;  
 [\_19128] 2726 \* X\_19\_82 + 1122 \* X\_19\_83 + 596 \* X\_19\_85 + 860 \*  
 X\_19\_86 + 2210 \*  
 X\_19\_87 + 1086 \* X\_19\_91 + 1722 \* X\_19\_92 + 2210 \* X\_19\_93 + 2018 \*  
 X\_19\_95 + 820  
 \* X\_19\_96 <= 3000;  
 [\_19129] 1086 \* X\_19\_91 + 1722 \* X\_19\_92 + 2210 \* X\_19\_93 + 2018 \*  
 X\_19\_95 + 820 \*  
 X\_19\_96 + 596 \* X\_19\_97 + 1122 \* X\_19\_98 + 2726 \* X\_19\_100 + 860 \*  
 X\_19\_102 + 2210  
 \* X\_19\_103 + 1540 \* X\_19\_104 <= 3000;  
 [\_19130] 596 \* X\_19\_97 + 1122 \* X\_19\_98 + 2726 \* X\_19\_100 + 860 \*  
 X\_19\_102 + 2210 \*

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X_19_103 + 1540 * X_19_104 + 1722 * X_19_105 + 820 * X_19_106 + 1086
* X_19_107 +
2018 * X_19_109 + 2210 * X_19_111 <= 3000;
[_19131] 1722 * X_19_105 + 820 * X_19_106 + 1086 * X_19_107 + 2018 *
X_19_109 +
2210 * X_19_111 + 1540 * X_19_113 + 2210 * X_19_114 + 2726 * X_19_115
+ 1122 *
X_19_118 + 596 * X_19_119 + 860 * X_19_120 <= 3000;
[_19132] 1540 * X_19_113 + 2210 * X_19_114 + 2726 * X_19_115 + 1122 *
X_19_118 +
596 * X_19_119 + 860 * X_19_120 + 596 * X_19_121 + 820 * X_19_122 +
2210 *
X_19_124 + 1540 * X_19_125 + 1122 * X_19_127 + 860 * X_19_128 <=
3000;
[_19133] 596 * X_19_121 + 820 * X_19_122 + 2210 * X_19_124 + 1540 *
X_19_125 + 1122
* X_19_127 + 860 * X_19_128 + 2210 * X_19_129 + 1086 * X_19_131 +
2726 * X_19_132
+ 1722 * X_19_133 + 2018 * X_19_134 <= 3000;
[_19134] 2210 * X_19_129 + 1086 * X_19_131 + 2726 * X_19_132 + 1722 *
X_19_133 +
2018 * X_19_134 + 1086 * X_19_137 + 1122 * X_19_140 + 1540 * X_19_141
+ 820 *
X_19_142 + 2210 * X_19_143 + 596 * X_19_144 <= 3000;
[_19135] 1086 * X_19_137 + 1122 * X_19_140 + 1540 * X_19_141 + 820 *
X_19_142 +
2210 * X_19_143 + 596 * X_19_144 + 860 * X_19_146 + 2726 * X_19_147 +
1122 *
X_19_149 + 2018 * X_19_150 + 2210 * X_19_151 <= 3000;
[_19136] 860 * X_19_146 + 2726 * X_19_147 + 1122 * X_19_149 + 2018 *
X_19_150 +
2210 * X_19_151 + 2210 * X_19_153 + 1086 * X_19_154 + 820 * X_19_155
+ 596 *
X_19_156 + 1722 * X_19_159 + 1540 * X_19_160 <= 3000;
[_19137] 2210 * X_19_153 + 1086 * X_19_154 + 820 * X_19_155 + 596 *
X_19_156 + 1722
* X_19_159 + 1540 * X_19_160 + 860 * X_19_163 + 1122 * X_19_164 +
2726 * X_19_165
+ 2018 * X_19_166 + 2210 * X_19_167 <= 3000;
[_19138] 860 * X_19_163 + 1122 * X_19_164 + 2726 * X_19_165 + 2018 *
X_19_166 +
2210 * X_19_167 + 2210 * X_19_171 + 1540 * X_19_172 + 1722 * X_19_173
+ 596 *
X_19_174 + 820 * X_19_175 + 1086 * X_19_176 <= 3000;
[_19139] 2210 * X_19_171 + 1540 * X_19_172 + 1722 * X_19_173 + 596 *
X_19_174 + 820
* X_19_175 + 1086 * X_19_176 + 1122 * X_19_177 + 2726 * X_19_178 +
860 * X_19_179
+ 596 * X_19_181 + 2210 * X_19_183 <= 3000;
[_19140] 1122 * X_19_177 + 2726 * X_19_178 + 860 * X_19_179 + 596 *
X_19_181 + 2210
* X_19_183 + 2210 * X_19_185 + 2018 * X_19_187 + 1540 * X_19_188 +
1086 * X_19_189
+ 1722 * X_19_191 + 820 * X_19_192 <= 3000;
[_19141] 2210 * X_19_185 + 2018 * X_19_187 + 1540 * X_19_188 + 1086 *
X_19_189 +

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1722 * X_19_191 + 820 * X_19_192 + 860 * X_19_193 + 1122 * X_19_194 +
2210 *
X_19_196 + 2726 * X_19_197 + 596 * X_19_200 <= 3000;
[_19142] 860 * X_19_193 + 1122 * X_19_194 + 2210 * X_19_196 + 2726 *
X_19_197 + 596
* X_19_200 + 2018 * X_19_201 + 1722 * X_19_202 + 1086 * X_19_203 +
820 * X_19_204
+ 1540 * X_19_207 + 2210 * X_19_208 <= 3000;
[_19143] 2018 * X_19_201 + 1722 * X_19_202 + 1086 * X_19_203 + 820 *
X_19_204 +
1540 * X_19_207 + 2210 * X_19_208 + 1122 * X_19_210 + 596 * X_19_212
+ 2726 *
X_19_213 + 2210 * X_19_214 + 860 * X_19_215 + 1540 * X_19_216 <=
3000;
[_19144] 1122 * X_19_210 + 596 * X_19_212 + 2726 * X_19_213 + 2210 *
X_19_214 + 860
* X_19_215 + 1540 * X_19_216 + 1086 * X_19_217 + 2018 * X_19_218 +
1722 * X_19_221
+ 2210 * X_19_222 + 820 * X_19_223 <= 3000;
[_19145] 1086 * X_19_217 + 2018 * X_19_218 + 1722 * X_19_221 + 2210 *
X_19_222 +
820 * X_19_223 + 2210 * X_19_225 + 1540 * X_19_227 + 596 * X_19_228 +
860 *
X_19_230 + 1122 * X_19_231 + 2726 * X_19_232 <= 3000;
[_19146] 2210 * X_19_225 + 1540 * X_19_227 + 596 * X_19_228 + 860 *
X_19_230 + 1122
* X_19_231 + 2726 * X_19_232 + 1722 * X_19_233 + 820 * X_19_235 +
1086 * X_19_236
+ 2210 * X_19_237 + 2018 * X_19_239 <= 3000;
[_19147] 2210 * X_20_1 + 1086 * X_20_2 + 1722 * X_20_3 + 2018 * X_20_4
+ 2726 *
X_20_8 + 2210 * X_20_9 + 860 * X_20_11 + 1122 * X_20_12 + 820 *
X_20_13 + 1540 *
X_20_14 + 596 * X_20_15 <= 3000;
[_19148] 2210 * X_20_9 + 860 * X_20_11 + 1122 * X_20_12 + 820 *
X_20_13 + 1540 *
X_20_14 + 596 * X_20_15 + 1722 * X_20_17 + 2726 * X_20_18 + 2018 *
X_20_19 + 860 *
X_20_20 + 2210 * X_20_21 <= 3000;
[_19149] 1722 * X_20_17 + 2726 * X_20_18 + 2018 * X_20_19 + 860 *
X_20_20 + 2210 *
X_20_21 + 1540 * X_20_25 + 596 * X_20_27 + 1086 * X_20_28 + 1722 *
X_20_29 + 820 *
X_20_30 + 2210 * X_20_32 <= 3000;
[_19150] 1540 * X_20_25 + 596 * X_20_27 + 1086 * X_20_28 + 1722 *
X_20_29 + 820 *
X_20_30 + 2210 * X_20_32 + 2726 * X_20_33 + 2018 * X_20_34 + 2210 *
X_20_35 + 860
* X_20_36 + 1122 * X_20_37 <= 3000;
[_19151] 2726 * X_20_33 + 2018 * X_20_34 + 2210 * X_20_35 + 860 *
X_20_36 + 1122 *
X_20_37 + 2210 * X_20_43 + 596 * X_20_44 + 1540 * X_20_45 + 1722 *
X_20_46 + 1086
* X_20_47 + 820 * X_20_48 <= 3000;
[_19152] 2210 * X_20_43 + 596 * X_20_44 + 1540 * X_20_45 + 1722 *
X_20_46 + 1086 *

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X_20_47 + 820 * X_20_48 + 2018 * X_20_49 + 2726 * X_20_50 + 1122 *
X_20_51 + 860 *
X_20_52 + 2210 * X_20_53 <= 3000;
[_19153] 2018 * X_20_49 + 2726 * X_20_50 + 1122 * X_20_51 + 860 *
X_20_52 + 2210 *
X_20_53 + 1540 * X_20_57 + 2018 * X_20_58 + 2210 * X_20_60 + 820 *
X_20_61 + 1722
* X_20_62 + 1086 * X_20_64 <= 3000;
[_19154] 1540 * X_20_57 + 2018 * X_20_58 + 2210 * X_20_60 + 820 *
X_20_61 + 1722 *
X_20_62 + 1086 * X_20_64 + 596 * X_20_65 + 1122 * X_20_66 + 2210 *
X_20_67 + 2726
* X_20_69 + 860 * X_20_72 <= 3000;
[_19155] 596 * X_20_65 + 1122 * X_20_66 + 2210 * X_20_67 + 2726 *
X_20_69 + 860 *
X_20_72 + 1722 * X_20_73 + 820 * X_20_74 + 1086 * X_20_76 + 2018 *
X_20_78 + 2210
* X_20_79 + 1540 * X_20_80 <= 3000;
[_19156] 1722 * X_20_73 + 820 * X_20_74 + 1086 * X_20_76 + 2018 *
X_20_78 + 2210 *
X_20_79 + 1540 * X_20_80 + 2726 * X_20_82 + 1122 * X_20_83 + 596 *
X_20_85 + 860 *
X_20_86 + 2210 * X_20_87 <= 3000;
[_19157] 2726 * X_20_82 + 1122 * X_20_83 + 596 * X_20_85 + 860 *
X_20_86 + 2210 *
X_20_87 + 1086 * X_20_91 + 1722 * X_20_92 + 2210 * X_20_93 + 2018 *
X_20_95 + 820
* X_20_96 <= 3000;
[_19158] 1086 * X_20_91 + 1722 * X_20_92 + 2210 * X_20_93 + 2018 *
X_20_95 + 820 *
X_20_96 + 596 * X_20_97 + 1122 * X_20_98 + 2726 * X_20_100 + 860 *
X_20_102 + 2210
* X_20_103 + 1540 * X_20_104 <= 3000;
[_19159] 596 * X_20_97 + 1122 * X_20_98 + 2726 * X_20_100 + 860 *
X_20_102 + 2210 *
X_20_103 + 1540 * X_20_104 + 1722 * X_20_105 + 820 * X_20_106 + 1086
* X_20_107 +
2018 * X_20_109 + 2210 * X_20_111 <= 3000;
[_19160] 1722 * X_20_105 + 820 * X_20_106 + 1086 * X_20_107 + 2018 *
X_20_109 +
2210 * X_20_111 + 1540 * X_20_113 + 2210 * X_20_114 + 2726 * X_20_115
+ 1122 *
X_20_118 + 596 * X_20_119 + 860 * X_20_120 <= 3000;
[_19161] 1540 * X_20_113 + 2210 * X_20_114 + 2726 * X_20_115 + 1122 *
X_20_118 +
596 * X_20_119 + 860 * X_20_120 + 596 * X_20_121 + 820 * X_20_122 +
2210 *
X_20_124 + 1540 * X_20_125 + 1122 * X_20_127 + 860 * X_20_128 <=
3000;
[_19162] 596 * X_20_121 + 820 * X_20_122 + 2210 * X_20_124 + 1540 *
X_20_125 + 1122
* X_20_127 + 860 * X_20_128 + 2210 * X_20_129 + 1086 * X_20_131 +
2726 * X_20_132
+ 1722 * X_20_133 + 2018 * X_20_134 <= 3000;
[_19163] 2210 * X_20_129 + 1086 * X_20_131 + 2726 * X_20_132 + 1722 *
X_20_133 +

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2018 \* X\_20\_134 + 1086 \* X\_20\_137 + 1122 \* X\_20\_140 + 1540 \* X\_20\_141  
 + 820 \*  
 X\_20\_142 + 2210 \* X\_20\_143 + 596 \* X\_20\_144 <= 3000;  
 [\_19164] 1086 \* X\_20\_137 + 1122 \* X\_20\_140 + 1540 \* X\_20\_141 + 820 \*  
 X\_20\_142 +  
 2210 \* X\_20\_143 + 596 \* X\_20\_144 + 860 \* X\_20\_146 + 2726 \* X\_20\_147 +  
 1122 \*  
 X\_20\_149 + 2018 \* X\_20\_150 + 2210 \* X\_20\_151 <= 3000;  
 [\_19165] 860 \* X\_20\_146 + 2726 \* X\_20\_147 + 1122 \* X\_20\_149 + 2018 \*  
 X\_20\_150 +  
 2210 \* X\_20\_151 + 2210 \* X\_20\_153 + 1086 \* X\_20\_154 + 820 \* X\_20\_155  
 + 596 \*  
 X\_20\_156 + 1722 \* X\_20\_159 + 1540 \* X\_20\_160 <= 3000;  
 [\_19166] 2210 \* X\_20\_153 + 1086 \* X\_20\_154 + 820 \* X\_20\_155 + 596 \*  
 X\_20\_156 + 1722  
 \* X\_20\_159 + 1540 \* X\_20\_160 + 860 \* X\_20\_163 + 1122 \* X\_20\_164 +  
 2726 \* X\_20\_165  
 + 2018 \* X\_20\_166 + 2210 \* X\_20\_167 <= 3000;  
 [\_19167] 860 \* X\_20\_163 + 1122 \* X\_20\_164 + 2726 \* X\_20\_165 + 2018 \*  
 X\_20\_166 +  
 2210 \* X\_20\_167 + 2210 \* X\_20\_171 + 1540 \* X\_20\_172 + 1722 \* X\_20\_173  
 + 596 \*  
 X\_20\_174 + 820 \* X\_20\_175 + 1086 \* X\_20\_176 <= 3000;  
 [\_19168] 2210 \* X\_20\_171 + 1540 \* X\_20\_172 + 1722 \* X\_20\_173 + 596 \*  
 X\_20\_174 + 820  
 \* X\_20\_175 + 1086 \* X\_20\_176 + 1122 \* X\_20\_177 + 2726 \* X\_20\_178 +  
 860 \* X\_20\_179  
 + 596 \* X\_20\_181 + 2210 \* X\_20\_183 <= 3000;  
 [\_19169] 1122 \* X\_20\_177 + 2726 \* X\_20\_178 + 860 \* X\_20\_179 + 596 \*  
 X\_20\_181 + 2210  
 \* X\_20\_183 + 2210 \* X\_20\_185 + 2018 \* X\_20\_187 + 1540 \* X\_20\_188 +  
 1086 \* X\_20\_189  
 + 1722 \* X\_20\_191 + 820 \* X\_20\_192 <= 3000;  
 [\_19170] 2210 \* X\_20\_185 + 2018 \* X\_20\_187 + 1540 \* X\_20\_188 + 1086 \*  
 X\_20\_189 +  
 1722 \* X\_20\_191 + 820 \* X\_20\_192 + 860 \* X\_20\_193 + 1122 \* X\_20\_194 +  
 2210 \*  
 X\_20\_196 + 2726 \* X\_20\_197 + 596 \* X\_20\_200 <= 3000;  
 [\_19171] 860 \* X\_20\_193 + 1122 \* X\_20\_194 + 2210 \* X\_20\_196 + 2726 \*  
 X\_20\_197 + 596  
 \* X\_20\_200 + 2018 \* X\_20\_201 + 1722 \* X\_20\_202 + 1086 \* X\_20\_203 +  
 820 \* X\_20\_204  
 + 1540 \* X\_20\_207 + 2210 \* X\_20\_208 <= 3000;  
 [\_19172] 2018 \* X\_20\_201 + 1722 \* X\_20\_202 + 1086 \* X\_20\_203 + 820 \*  
 X\_20\_204 +  
 1540 \* X\_20\_207 + 2210 \* X\_20\_208 + 1122 \* X\_20\_210 + 596 \* X\_20\_212  
 + 2726 \*  
 X\_20\_213 + 2210 \* X\_20\_214 + 860 \* X\_20\_215 + 1540 \* X\_20\_216 <=  
 3000;  
 [\_19173] 1122 \* X\_20\_210 + 596 \* X\_20\_212 + 2726 \* X\_20\_213 + 2210 \*  
 X\_20\_214 + 860  
 \* X\_20\_215 + 1540 \* X\_20\_216 + 1086 \* X\_20\_217 + 2018 \* X\_20\_218 +  
 1722 \* X\_20\_221  
 + 2210 \* X\_20\_222 + 820 \* X\_20\_223 <= 3000;  
 [\_19174] 1086 \* X\_20\_217 + 2018 \* X\_20\_218 + 1722 \* X\_20\_221 + 2210 \*  
 X\_20\_222 +

$820 * X_{20\_223} + 2210 * X_{20\_225} + 1540 * X_{20\_227} + 596 * X_{20\_228} + 860 * X_{20\_230} + 1122 * X_{20\_231} + 2726 * X_{20\_232} \leq 3000;$   
 [\_19175]  $2210 * X_{20\_225} + 1540 * X_{20\_227} + 596 * X_{20\_228} + 860 * X_{20\_230} + 1122 * X_{20\_231} + 2726 * X_{20\_232} + 1722 * X_{20\_233} + 820 * X_{20\_235} + 1086 * X_{20\_236} + 2210 * X_{20\_237} + 2018 * X_{20\_239} \leq 3000;$   
 [\_19176]  $2210 * X_{21\_1} + 1086 * X_{21\_2} + 1722 * X_{21\_3} + 2018 * X_{21\_4} + 2726 * X_{21\_8} + 2210 * X_{21\_9} + 860 * X_{21\_11} + 1122 * X_{21\_12} + 820 * X_{21\_13} + 1540 * X_{21\_14} + 596 * X_{21\_15} \leq 3000;$   
 [\_19177]  $2210 * X_{21\_9} + 860 * X_{21\_11} + 1122 * X_{21\_12} + 820 * X_{21\_13} + 1540 * X_{21\_14} + 596 * X_{21\_15} + 1722 * X_{21\_17} + 2726 * X_{21\_18} + 2018 * X_{21\_19} + 860 * X_{21\_20} + 2210 * X_{21\_21} \leq 3000;$   
 [\_19178]  $1722 * X_{21\_17} + 2726 * X_{21\_18} + 2018 * X_{21\_19} + 860 * X_{21\_20} + 2210 * X_{21\_21} + 1540 * X_{21\_25} + 596 * X_{21\_27} + 1086 * X_{21\_28} + 1722 * X_{21\_29} + 820 * X_{21\_30} + 2210 * X_{21\_32} \leq 3000;$   
 [\_19179]  $1540 * X_{21\_25} + 596 * X_{21\_27} + 1086 * X_{21\_28} + 1722 * X_{21\_29} + 820 * X_{21\_30} + 2210 * X_{21\_32} + 2726 * X_{21\_33} + 2018 * X_{21\_34} + 2210 * X_{21\_35} + 860 * X_{21\_36} + 1122 * X_{21\_37} \leq 3000;$   
 [\_19180]  $2726 * X_{21\_33} + 2018 * X_{21\_34} + 2210 * X_{21\_35} + 860 * X_{21\_36} + 1122 * X_{21\_37} + 2210 * X_{21\_43} + 596 * X_{21\_44} + 1540 * X_{21\_45} + 1722 * X_{21\_46} + 1086 * X_{21\_47} + 820 * X_{21\_48} \leq 3000;$   
 [\_19181]  $2210 * X_{21\_43} + 596 * X_{21\_44} + 1540 * X_{21\_45} + 1722 * X_{21\_46} + 1086 * X_{21\_47} + 820 * X_{21\_48} + 2018 * X_{21\_49} + 2726 * X_{21\_50} + 1122 * X_{21\_51} + 860 * X_{21\_52} + 2210 * X_{21\_53} \leq 3000;$   
 [\_19182]  $2018 * X_{21\_49} + 2726 * X_{21\_50} + 1122 * X_{21\_51} + 860 * X_{21\_52} + 2210 * X_{21\_53} + 1540 * X_{21\_57} + 2018 * X_{21\_58} + 2210 * X_{21\_60} + 820 * X_{21\_61} + 1722 * X_{21\_62} + 1086 * X_{21\_64} \leq 3000;$   
 [\_19183]  $1540 * X_{21\_57} + 2018 * X_{21\_58} + 2210 * X_{21\_60} + 820 * X_{21\_61} + 1722 * X_{21\_62} + 1086 * X_{21\_64} + 596 * X_{21\_65} + 1122 * X_{21\_66} + 2210 * X_{21\_67} + 2726 * X_{21\_69} + 860 * X_{21\_72} \leq 3000;$   
 [\_19184]  $596 * X_{21\_65} + 1122 * X_{21\_66} + 2210 * X_{21\_67} + 2726 * X_{21\_69} + 860 * X_{21\_72} + 1722 * X_{21\_73} + 820 * X_{21\_74} + 1086 * X_{21\_76} + 2018 * X_{21\_78} + 2210 * X_{21\_79} + 1540 * X_{21\_80} \leq 3000;$   
 [\_19185]  $1722 * X_{21\_73} + 820 * X_{21\_74} + 1086 * X_{21\_76} + 2018 * X_{21\_78} + 2210 * X_{21\_79} + 1540 * X_{21\_80} + 2726 * X_{21\_82} + 1122 * X_{21\_83} + 596 * X_{21\_85} + 860 * X_{21\_85}$

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X_21_86 + 2210 * X_21_87 <= 3000;
[_19186] 2726 * X_21_82 + 1122 * X_21_83 + 596 * X_21_85 + 860 *
X_21_86 + 2210 *
X_21_87 + 1086 * X_21_91 + 1722 * X_21_92 + 2210 * X_21_93 + 2018 *
X_21_95 + 820
* X_21_96 <= 3000;
[_19187] 1086 * X_21_91 + 1722 * X_21_92 + 2210 * X_21_93 + 2018 *
X_21_95 + 820 *
X_21_96 + 596 * X_21_97 + 1122 * X_21_98 + 2726 * X_21_100 + 860 *
X_21_102 + 2210
* X_21_103 + 1540 * X_21_104 <= 3000;
[_19188] 596 * X_21_97 + 1122 * X_21_98 + 2726 * X_21_100 + 860 *
X_21_102 + 2210 *
X_21_103 + 1540 * X_21_104 + 1722 * X_21_105 + 820 * X_21_106 + 1086
* X_21_107 +
2018 * X_21_109 + 2210 * X_21_111 <= 3000;
[_19189] 1722 * X_21_105 + 820 * X_21_106 + 1086 * X_21_107 + 2018 *
X_21_109 +
2210 * X_21_111 + 1540 * X_21_113 + 2210 * X_21_114 + 2726 * X_21_115
+ 1122 *
X_21_118 + 596 * X_21_119 + 860 * X_21_120 <= 3000;
[_19190] 1540 * X_21_113 + 2210 * X_21_114 + 2726 * X_21_115 + 1122 *
X_21_118 +
596 * X_21_119 + 860 * X_21_120 + 596 * X_21_121 + 820 * X_21_122 +
2210 *
X_21_124 + 1540 * X_21_125 + 1122 * X_21_127 + 860 * X_21_128 <=
3000;
[_19191] 596 * X_21_121 + 820 * X_21_122 + 2210 * X_21_124 + 1540 *
X_21_125 + 1122
* X_21_127 + 860 * X_21_128 + 2210 * X_21_129 + 1086 * X_21_131 +
2726 * X_21_132
+ 1722 * X_21_133 + 2018 * X_21_134 <= 3000;
[_19192] 2210 * X_21_129 + 1086 * X_21_131 + 2726 * X_21_132 + 1722 *
X_21_133 +
2018 * X_21_134 + 1086 * X_21_137 + 1122 * X_21_140 + 1540 * X_21_141
+ 820 *
X_21_142 + 2210 * X_21_143 + 596 * X_21_144 <= 3000;
[_19193] 1086 * X_21_137 + 1122 * X_21_140 + 1540 * X_21_141 + 820 *
X_21_142 +
2210 * X_21_143 + 596 * X_21_144 + 860 * X_21_146 + 2726 * X_21_147 +
1122 *
X_21_149 + 2018 * X_21_150 + 2210 * X_21_151 <= 3000;
[_19194] 860 * X_21_146 + 2726 * X_21_147 + 1122 * X_21_149 + 2018 *
X_21_150 +
2210 * X_21_151 + 2210 * X_21_153 + 1086 * X_21_154 + 820 * X_21_155
+ 596 *
X_21_156 + 1722 * X_21_159 + 1540 * X_21_160 <= 3000;
[_19195] 2210 * X_21_153 + 1086 * X_21_154 + 820 * X_21_155 + 596 *
X_21_156 + 1722
* X_21_159 + 1540 * X_21_160 + 860 * X_21_163 + 1122 * X_21_164 +
2726 * X_21_165
+ 2018 * X_21_166 + 2210 * X_21_167 <= 3000;
[_19196] 860 * X_21_163 + 1122 * X_21_164 + 2726 * X_21_165 + 2018 *
X_21_166 +
2210 * X_21_167 + 2210 * X_21_171 + 1540 * X_21_172 + 1722 * X_21_173
+ 596 *
X_21_174 + 820 * X_21_175 + 1086 * X_21_176 <= 3000;

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[_19197] 2210 * X_21_171 + 1540 * X_21_172 + 1722 * X_21_173 + 596 *
X_21_174 + 820
  * X_21_175 + 1086 * X_21_176 + 1122 * X_21_177 + 2726 * X_21_178 +
860 * X_21_179
  + 596 * X_21_181 + 2210 * X_21_183 <= 3000;
[_19198] 1122 * X_21_177 + 2726 * X_21_178 + 860 * X_21_179 + 596 *
X_21_181 + 2210
  * X_21_183 + 2210 * X_21_185 + 2018 * X_21_187 + 1540 * X_21_188 +
1086 * X_21_189
  + 1722 * X_21_191 + 820 * X_21_192 <= 3000;
[_19199] 2210 * X_21_185 + 2018 * X_21_187 + 1540 * X_21_188 + 1086 *
X_21_189 +
  1722 * X_21_191 + 820 * X_21_192 + 860 * X_21_193 + 1122 * X_21_194 +
2210 *
  X_21_196 + 2726 * X_21_197 + 596 * X_21_200 <= 3000;
[_19200] 860 * X_21_193 + 1122 * X_21_194 + 2210 * X_21_196 + 2726 *
X_21_197 + 596
  * X_21_200 + 2018 * X_21_201 + 1722 * X_21_202 + 1086 * X_21_203 +
820 * X_21_204
  + 1540 * X_21_207 + 2210 * X_21_208 <= 3000;
[_19201] 2018 * X_21_201 + 1722 * X_21_202 + 1086 * X_21_203 + 820 *
X_21_204 +
  1540 * X_21_207 + 2210 * X_21_208 + 1122 * X_21_210 + 596 * X_21_212
+ 2726 *
  X_21_213 + 2210 * X_21_214 + 860 * X_21_215 + 1540 * X_21_216 <=
3000;
[_19202] 1122 * X_21_210 + 596 * X_21_212 + 2726 * X_21_213 + 2210 *
X_21_214 + 860
  * X_21_215 + 1540 * X_21_216 + 1086 * X_21_217 + 2018 * X_21_218 +
1722 * X_21_221
  + 2210 * X_21_222 + 820 * X_21_223 <= 3000;
[_19203] 1086 * X_21_217 + 2018 * X_21_218 + 1722 * X_21_221 + 2210 *
X_21_222 +
  820 * X_21_223 + 2210 * X_21_225 + 1540 * X_21_227 + 596 * X_21_228 +
860 *
  X_21_230 + 1122 * X_21_231 + 2726 * X_21_232 <= 3000;
[_19204] 2210 * X_21_225 + 1540 * X_21_227 + 596 * X_21_228 + 860 *
X_21_230 + 1122
  * X_21_231 + 2726 * X_21_232 + 1722 * X_21_233 + 820 * X_21_235 +
1086 * X_21_236
  + 2210 * X_21_237 + 2018 * X_21_239 <= 3000;
[_19205] 2210 * X_22_1 + 1086 * X_22_2 + 1722 * X_22_3 + 2018 * X_22_4
+ 2726 *
  X_22_8 + 2210 * X_22_9 + 860 * X_22_11 + 1122 * X_22_12 + 820 *
X_22_13 + 1540 *
  X_22_14 + 596 * X_22_15 <= 3000;
[_19206] 2210 * X_22_9 + 860 * X_22_11 + 1122 * X_22_12 + 820 *
X_22_13 + 1540 *
  X_22_14 + 596 * X_22_15 + 1722 * X_22_17 + 2726 * X_22_18 + 2018 *
X_22_19 + 860 *
  X_22_20 + 2210 * X_22_21 <= 3000;
[_19207] 1722 * X_22_17 + 2726 * X_22_18 + 2018 * X_22_19 + 860 *
X_22_20 + 2210 *
  X_22_21 + 1540 * X_22_25 + 596 * X_22_27 + 1086 * X_22_28 + 1722 *
X_22_29 + 820 *
  X_22_30 + 2210 * X_22_32 <= 3000;

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[\_19208] 1540 \* X\_22\_25 + 596 \* X\_22\_27 + 1086 \* X\_22\_28 + 1722 \*  
 X\_22\_29 + 820 \*  
 X\_22\_30 + 2210 \* X\_22\_32 + 2726 \* X\_22\_33 + 2018 \* X\_22\_34 + 2210 \*  
 X\_22\_35 + 860  
 \* X\_22\_36 + 1122 \* X\_22\_37 <= 3000;  
 [\_19209] 2726 \* X\_22\_33 + 2018 \* X\_22\_34 + 2210 \* X\_22\_35 + 860 \*  
 X\_22\_36 + 1122 \*  
 X\_22\_37 + 2210 \* X\_22\_43 + 596 \* X\_22\_44 + 1540 \* X\_22\_45 + 1722 \*  
 X\_22\_46 + 1086  
 \* X\_22\_47 + 820 \* X\_22\_48 <= 3000;  
 [\_19210] 2210 \* X\_22\_43 + 596 \* X\_22\_44 + 1540 \* X\_22\_45 + 1722 \*  
 X\_22\_46 + 1086 \*  
 X\_22\_47 + 820 \* X\_22\_48 + 2018 \* X\_22\_49 + 2726 \* X\_22\_50 + 1122 \*  
 X\_22\_51 + 860 \*  
 X\_22\_52 + 2210 \* X\_22\_53 <= 3000;  
 [\_19211] 2018 \* X\_22\_49 + 2726 \* X\_22\_50 + 1122 \* X\_22\_51 + 860 \*  
 X\_22\_52 + 2210 \*  
 X\_22\_53 + 1540 \* X\_22\_57 + 2018 \* X\_22\_58 + 2210 \* X\_22\_60 + 820 \*  
 X\_22\_61 + 1722  
 \* X\_22\_62 + 1086 \* X\_22\_64 <= 3000;  
 [\_19212] 1540 \* X\_22\_57 + 2018 \* X\_22\_58 + 2210 \* X\_22\_60 + 820 \*  
 X\_22\_61 + 1722 \*  
 X\_22\_62 + 1086 \* X\_22\_64 + 596 \* X\_22\_65 + 1122 \* X\_22\_66 + 2210 \*  
 X\_22\_67 + 2726  
 \* X\_22\_69 + 860 \* X\_22\_72 <= 3000;  
 [\_19213] 596 \* X\_22\_65 + 1122 \* X\_22\_66 + 2210 \* X\_22\_67 + 2726 \*  
 X\_22\_69 + 860 \*  
 X\_22\_72 + 1722 \* X\_22\_73 + 820 \* X\_22\_74 + 1086 \* X\_22\_76 + 2018 \*  
 X\_22\_78 + 2210  
 \* X\_22\_79 + 1540 \* X\_22\_80 <= 3000;  
 [\_19214] 1722 \* X\_22\_73 + 820 \* X\_22\_74 + 1086 \* X\_22\_76 + 2018 \*  
 X\_22\_78 + 2210 \*  
 X\_22\_79 + 1540 \* X\_22\_80 + 2726 \* X\_22\_82 + 1122 \* X\_22\_83 + 596 \*  
 X\_22\_85 + 860 \*  
 X\_22\_86 + 2210 \* X\_22\_87 <= 3000;  
 [\_19215] 2726 \* X\_22\_82 + 1122 \* X\_22\_83 + 596 \* X\_22\_85 + 860 \*  
 X\_22\_86 + 2210 \*  
 X\_22\_87 + 1086 \* X\_22\_91 + 1722 \* X\_22\_92 + 2210 \* X\_22\_93 + 2018 \*  
 X\_22\_95 + 820  
 \* X\_22\_96 <= 3000;  
 [\_19216] 1086 \* X\_22\_91 + 1722 \* X\_22\_92 + 2210 \* X\_22\_93 + 2018 \*  
 X\_22\_95 + 820 \*  
 X\_22\_96 + 596 \* X\_22\_97 + 1122 \* X\_22\_98 + 2726 \* X\_22\_100 + 860 \*  
 X\_22\_102 + 2210  
 \* X\_22\_103 + 1540 \* X\_22\_104 <= 3000;  
 [\_19217] 596 \* X\_22\_97 + 1122 \* X\_22\_98 + 2726 \* X\_22\_100 + 860 \*  
 X\_22\_102 + 2210 \*  
 X\_22\_103 + 1540 \* X\_22\_104 + 1722 \* X\_22\_105 + 820 \* X\_22\_106 + 1086  
 \* X\_22\_107 +  
 2018 \* X\_22\_109 + 2210 \* X\_22\_111 <= 3000;  
 [\_19218] 1722 \* X\_22\_105 + 820 \* X\_22\_106 + 1086 \* X\_22\_107 + 2018 \*  
 X\_22\_109 +  
 2210 \* X\_22\_111 + 1540 \* X\_22\_113 + 2210 \* X\_22\_114 + 2726 \* X\_22\_115  
 + 1122 \*  
 X\_22\_118 + 596 \* X\_22\_119 + 860 \* X\_22\_120 <= 3000;  
 [\_19219] 1540 \* X\_22\_113 + 2210 \* X\_22\_114 + 2726 \* X\_22\_115 + 1122 \*  
 X\_22\_118 +

$596 * X_{22\_119} + 860 * X_{22\_120} + 596 * X_{22\_121} + 820 * X_{22\_122} + 2210 * X_{22\_124} + 1540 * X_{22\_125} + 1122 * X_{22\_127} + 860 * X_{22\_128} \leq 3000;$   
 [\_19220]  $596 * X_{22\_121} + 820 * X_{22\_122} + 2210 * X_{22\_124} + 1540 * X_{22\_125} + 1122 * X_{22\_127} + 860 * X_{22\_128} + 2210 * X_{22\_129} + 1086 * X_{22\_131} + 2726 * X_{22\_132} + 1722 * X_{22\_133} + 2018 * X_{22\_134} \leq 3000;$   
 [\_19221]  $2210 * X_{22\_129} + 1086 * X_{22\_131} + 2726 * X_{22\_132} + 1722 * X_{22\_133} + 2018 * X_{22\_134} + 1086 * X_{22\_137} + 1122 * X_{22\_140} + 1540 * X_{22\_141} + 820 * X_{22\_142} + 2210 * X_{22\_143} + 596 * X_{22\_144} \leq 3000;$   
 [\_19222]  $1086 * X_{22\_137} + 1122 * X_{22\_140} + 1540 * X_{22\_141} + 820 * X_{22\_142} + 2210 * X_{22\_143} + 596 * X_{22\_144} + 860 * X_{22\_146} + 2726 * X_{22\_147} + 1122 * X_{22\_149} + 2018 * X_{22\_150} + 2210 * X_{22\_151} \leq 3000;$   
 [\_19223]  $860 * X_{22\_146} + 2726 * X_{22\_147} + 1122 * X_{22\_149} + 2018 * X_{22\_150} + 2210 * X_{22\_151} + 2210 * X_{22\_153} + 1086 * X_{22\_154} + 820 * X_{22\_155} + 596 * X_{22\_156} + 1722 * X_{22\_159} + 1540 * X_{22\_160} \leq 3000;$   
 [\_19224]  $2210 * X_{22\_153} + 1086 * X_{22\_154} + 820 * X_{22\_155} + 596 * X_{22\_156} + 1722 * X_{22\_159} + 1540 * X_{22\_160} + 860 * X_{22\_163} + 1122 * X_{22\_164} + 2726 * X_{22\_165} + 2018 * X_{22\_166} + 2210 * X_{22\_167} \leq 3000;$   
 [\_19225]  $860 * X_{22\_163} + 1122 * X_{22\_164} + 2726 * X_{22\_165} + 2018 * X_{22\_166} + 2210 * X_{22\_167} + 2210 * X_{22\_171} + 1540 * X_{22\_172} + 1722 * X_{22\_173} + 596 * X_{22\_174} + 820 * X_{22\_175} + 1086 * X_{22\_176} \leq 3000;$   
 [\_19226]  $2210 * X_{22\_171} + 1540 * X_{22\_172} + 1722 * X_{22\_173} + 596 * X_{22\_174} + 820 * X_{22\_175} + 1086 * X_{22\_176} + 1122 * X_{22\_177} + 2726 * X_{22\_178} + 860 * X_{22\_179} + 596 * X_{22\_181} + 2210 * X_{22\_183} \leq 3000;$   
 [\_19227]  $1122 * X_{22\_177} + 2726 * X_{22\_178} + 860 * X_{22\_179} + 596 * X_{22\_181} + 2210 * X_{22\_183} + 2210 * X_{22\_185} + 2018 * X_{22\_187} + 1540 * X_{22\_188} + 1086 * X_{22\_189} + 1722 * X_{22\_191} + 820 * X_{22\_192} \leq 3000;$   
 [\_19228]  $2210 * X_{22\_185} + 2018 * X_{22\_187} + 1540 * X_{22\_188} + 1086 * X_{22\_189} + 1722 * X_{22\_191} + 820 * X_{22\_192} + 860 * X_{22\_193} + 1122 * X_{22\_194} + 2210 * X_{22\_196} + 2726 * X_{22\_197} + 596 * X_{22\_200} \leq 3000;$   
 [\_19229]  $860 * X_{22\_193} + 1122 * X_{22\_194} + 2210 * X_{22\_196} + 2726 * X_{22\_197} + 596 * X_{22\_200} + 2018 * X_{22\_201} + 1722 * X_{22\_202} + 1086 * X_{22\_203} + 820 * X_{22\_204} + 1540 * X_{22\_207} + 2210 * X_{22\_208} \leq 3000;$   
 [\_19230]  $2018 * X_{22\_201} + 1722 * X_{22\_202} + 1086 * X_{22\_203} + 820 * X_{22\_204} +$

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1540 * X_22_207 + 2210 * X_22_208 + 1122 * X_22_210 + 596 * X_22_212
+ 2726 *
X_22_213 + 2210 * X_22_214 + 860 * X_22_215 + 1540 * X_22_216 <=
3000;
[_19231] 1122 * X_22_210 + 596 * X_22_212 + 2726 * X_22_213 + 2210 *
X_22_214 + 860
* X_22_215 + 1540 * X_22_216 + 1086 * X_22_217 + 2018 * X_22_218 +
1722 * X_22_221
+ 2210 * X_22_222 + 820 * X_22_223 <= 3000;
[_19232] 1086 * X_22_217 + 2018 * X_22_218 + 1722 * X_22_221 + 2210 *
X_22_222 +
820 * X_22_223 + 2210 * X_22_225 + 1540 * X_22_227 + 596 * X_22_228 +
860 *
X_22_230 + 1122 * X_22_231 + 2726 * X_22_232 <= 3000;
[_19233] 2210 * X_22_225 + 1540 * X_22_227 + 596 * X_22_228 + 860 *
X_22_230 + 1122
* X_22_231 + 2726 * X_22_232 + 1722 * X_22_233 + 820 * X_22_235 +
1086 * X_22_236
+ 2210 * X_22_237 + 2018 * X_22_239 <= 3000;
[_19234] 2210 * X_23_1 + 1086 * X_23_2 + 1722 * X_23_3 + 2018 * X_23_4
+ 2726 *
X_23_8 + 2210 * X_23_9 + 860 * X_23_11 + 1122 * X_23_12 + 820 *
X_23_13 + 1540 *
X_23_14 + 596 * X_23_15 <= 3000;
[_19235] 2210 * X_23_9 + 860 * X_23_11 + 1122 * X_23_12 + 820 *
X_23_13 + 1540 *
X_23_14 + 596 * X_23_15 + 1722 * X_23_17 + 2726 * X_23_18 + 2018 *
X_23_19 + 860 *
X_23_20 + 2210 * X_23_21 <= 3000;
[_19236] 1722 * X_23_17 + 2726 * X_23_18 + 2018 * X_23_19 + 860 *
X_23_20 + 2210 *
X_23_21 + 1540 * X_23_25 + 596 * X_23_27 + 1086 * X_23_28 + 1722 *
X_23_29 + 820 *
X_23_30 + 2210 * X_23_32 <= 3000;
[_19237] 1540 * X_23_25 + 596 * X_23_27 + 1086 * X_23_28 + 1722 *
X_23_29 + 820 *
X_23_30 + 2210 * X_23_32 + 2726 * X_23_33 + 2018 * X_23_34 + 2210 *
X_23_35 + 860
* X_23_36 + 1122 * X_23_37 <= 3000;
[_19238] 2726 * X_23_33 + 2018 * X_23_34 + 2210 * X_23_35 + 860 *
X_23_36 + 1122 *
X_23_37 + 2210 * X_23_43 + 596 * X_23_44 + 1540 * X_23_45 + 1722 *
X_23_46 + 1086
* X_23_47 + 820 * X_23_48 <= 3000;
[_19239] 2210 * X_23_43 + 596 * X_23_44 + 1540 * X_23_45 + 1722 *
X_23_46 + 1086 *
X_23_47 + 820 * X_23_48 + 2018 * X_23_49 + 2726 * X_23_50 + 1122 *
X_23_51 + 860 *
X_23_52 + 2210 * X_23_53 <= 3000;
[_19240] 2018 * X_23_49 + 2726 * X_23_50 + 1122 * X_23_51 + 860 *
X_23_52 + 2210 *
X_23_53 + 1540 * X_23_57 + 2018 * X_23_58 + 2210 * X_23_60 + 820 *
X_23_61 + 1722
* X_23_62 + 1086 * X_23_64 <= 3000;
[_19241] 1540 * X_23_57 + 2018 * X_23_58 + 2210 * X_23_60 + 820 *
X_23_61 + 1722 *

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$X_{23\_62} + 1086 * X_{23\_64} + 596 * X_{23\_65} + 1122 * X_{23\_66} + 2210 * X_{23\_67} + 2726$   
 $* X_{23\_69} + 860 * X_{23\_72} \leq 3000;$   
 [\_19242]  $596 * X_{23\_65} + 1122 * X_{23\_66} + 2210 * X_{23\_67} + 2726 * X_{23\_69} + 860 *$   
 $X_{23\_72} + 1722 * X_{23\_73} + 820 * X_{23\_74} + 1086 * X_{23\_76} + 2018 * X_{23\_78} + 2210$   
 $* X_{23\_79} + 1540 * X_{23\_80} \leq 3000;$   
 [\_19243]  $1722 * X_{23\_73} + 820 * X_{23\_74} + 1086 * X_{23\_76} + 2018 * X_{23\_78} + 2210 *$   
 $X_{23\_79} + 1540 * X_{23\_80} + 2726 * X_{23\_82} + 1122 * X_{23\_83} + 596 * X_{23\_85} + 860 *$   
 $X_{23\_86} + 2210 * X_{23\_87} \leq 3000;$   
 [\_19244]  $2726 * X_{23\_82} + 1122 * X_{23\_83} + 596 * X_{23\_85} + 860 * X_{23\_86} + 2210 *$   
 $X_{23\_87} + 1086 * X_{23\_91} + 1722 * X_{23\_92} + 2210 * X_{23\_93} + 2018 * X_{23\_95} + 820$   
 $* X_{23\_96} \leq 3000;$   
 [\_19245]  $1086 * X_{23\_91} + 1722 * X_{23\_92} + 2210 * X_{23\_93} + 2018 * X_{23\_95} + 820 *$   
 $X_{23\_96} + 596 * X_{23\_97} + 1122 * X_{23\_98} + 2726 * X_{23\_100} + 860 * X_{23\_102} + 2210$   
 $* X_{23\_103} + 1540 * X_{23\_104} \leq 3000;$   
 [\_19246]  $596 * X_{23\_97} + 1122 * X_{23\_98} + 2726 * X_{23\_100} + 860 * X_{23\_102} + 2210 *$   
 $X_{23\_103} + 1540 * X_{23\_104} + 1722 * X_{23\_105} + 820 * X_{23\_106} + 1086 * X_{23\_107} +$   
 $2018 * X_{23\_109} + 2210 * X_{23\_111} \leq 3000;$   
 [\_19247]  $1722 * X_{23\_105} + 820 * X_{23\_106} + 1086 * X_{23\_107} + 2018 * X_{23\_109} +$   
 $2210 * X_{23\_111} + 1540 * X_{23\_113} + 2210 * X_{23\_114} + 2726 * X_{23\_115} + 1122 *$   
 $X_{23\_118} + 596 * X_{23\_119} + 860 * X_{23\_120} \leq 3000;$   
 [\_19248]  $1540 * X_{23\_113} + 2210 * X_{23\_114} + 2726 * X_{23\_115} + 1122 * X_{23\_118} +$   
 $596 * X_{23\_119} + 860 * X_{23\_120} + 596 * X_{23\_121} + 820 * X_{23\_122} + 2210 *$   
 $X_{23\_124} + 1540 * X_{23\_125} + 1122 * X_{23\_127} + 860 * X_{23\_128} \leq 3000;$   
 [\_19249]  $596 * X_{23\_121} + 820 * X_{23\_122} + 2210 * X_{23\_124} + 1540 * X_{23\_125} + 1122$   
 $* X_{23\_127} + 860 * X_{23\_128} + 2210 * X_{23\_129} + 1086 * X_{23\_131} + 2726 * X_{23\_132}$   
 $+ 1722 * X_{23\_133} + 2018 * X_{23\_134} \leq 3000;$   
 [\_19250]  $2210 * X_{23\_129} + 1086 * X_{23\_131} + 2726 * X_{23\_132} + 1722 * X_{23\_133} +$   
 $2018 * X_{23\_134} + 1086 * X_{23\_137} + 1122 * X_{23\_140} + 1540 * X_{23\_141} + 820 *$   
 $X_{23\_142} + 2210 * X_{23\_143} + 596 * X_{23\_144} \leq 3000;$   
 [\_19251]  $1086 * X_{23\_137} + 1122 * X_{23\_140} + 1540 * X_{23\_141} + 820 * X_{23\_142} +$   
 $2210 * X_{23\_143} + 596 * X_{23\_144} + 860 * X_{23\_146} + 2726 * X_{23\_147} + 1122 *$   
 $X_{23\_149} + 2018 * X_{23\_150} + 2210 * X_{23\_151} \leq 3000;$   
 [\_19252]  $860 * X_{23\_146} + 2726 * X_{23\_147} + 1122 * X_{23\_149} + 2018 * X_{23\_150} +$

2210 \* X\_23\_151 + 2210 \* X\_23\_153 + 1086 \* X\_23\_154 + 820 \* X\_23\_155  
 + 596 \*  
 X\_23\_156 + 1722 \* X\_23\_159 + 1540 \* X\_23\_160 <= 3000;  
 [\_19253] 2210 \* X\_23\_153 + 1086 \* X\_23\_154 + 820 \* X\_23\_155 + 596 \*  
 X\_23\_156 + 1722  
 \* X\_23\_159 + 1540 \* X\_23\_160 + 860 \* X\_23\_163 + 1122 \* X\_23\_164 +  
 2726 \* X\_23\_165  
 + 2018 \* X\_23\_166 + 2210 \* X\_23\_167 <= 3000;  
 [\_19254] 860 \* X\_23\_163 + 1122 \* X\_23\_164 + 2726 \* X\_23\_165 + 2018 \*  
 X\_23\_166 +  
 2210 \* X\_23\_167 + 2210 \* X\_23\_171 + 1540 \* X\_23\_172 + 1722 \* X\_23\_173  
 + 596 \*  
 X\_23\_174 + 820 \* X\_23\_175 + 1086 \* X\_23\_176 <= 3000;  
 [\_19255] 2210 \* X\_23\_171 + 1540 \* X\_23\_172 + 1722 \* X\_23\_173 + 596 \*  
 X\_23\_174 + 820  
 \* X\_23\_175 + 1086 \* X\_23\_176 + 1122 \* X\_23\_177 + 2726 \* X\_23\_178 +  
 860 \* X\_23\_179  
 + 596 \* X\_23\_181 + 2210 \* X\_23\_183 <= 3000;  
 [\_19256] 1122 \* X\_23\_177 + 2726 \* X\_23\_178 + 860 \* X\_23\_179 + 596 \*  
 X\_23\_181 + 2210  
 \* X\_23\_183 + 2210 \* X\_23\_185 + 2018 \* X\_23\_187 + 1540 \* X\_23\_188 +  
 1086 \* X\_23\_189  
 + 1722 \* X\_23\_191 + 820 \* X\_23\_192 <= 3000;  
 [\_19257] 2210 \* X\_23\_185 + 2018 \* X\_23\_187 + 1540 \* X\_23\_188 + 1086 \*  
 X\_23\_189 +  
 1722 \* X\_23\_191 + 820 \* X\_23\_192 + 860 \* X\_23\_193 + 1122 \* X\_23\_194 +  
 2210 \*  
 X\_23\_196 + 2726 \* X\_23\_197 + 596 \* X\_23\_200 <= 3000;  
 [\_19258] 860 \* X\_23\_193 + 1122 \* X\_23\_194 + 2210 \* X\_23\_196 + 2726 \*  
 X\_23\_197 + 596  
 \* X\_23\_200 + 2018 \* X\_23\_201 + 1722 \* X\_23\_202 + 1086 \* X\_23\_203 +  
 820 \* X\_23\_204  
 + 1540 \* X\_23\_207 + 2210 \* X\_23\_208 <= 3000;  
 [\_19259] 2018 \* X\_23\_201 + 1722 \* X\_23\_202 + 1086 \* X\_23\_203 + 820 \*  
 X\_23\_204 +  
 1540 \* X\_23\_207 + 2210 \* X\_23\_208 + 1122 \* X\_23\_210 + 596 \* X\_23\_212  
 + 2726 \*  
 X\_23\_213 + 2210 \* X\_23\_214 + 860 \* X\_23\_215 + 1540 \* X\_23\_216 <= 3000;  
 3000;  
 [\_19260] 1122 \* X\_23\_210 + 596 \* X\_23\_212 + 2726 \* X\_23\_213 + 2210 \*  
 X\_23\_214 + 860  
 \* X\_23\_215 + 1540 \* X\_23\_216 + 1086 \* X\_23\_217 + 2018 \* X\_23\_218 +  
 1722 \* X\_23\_221  
 + 2210 \* X\_23\_222 + 820 \* X\_23\_223 <= 3000;  
 [\_19261] 1086 \* X\_23\_217 + 2018 \* X\_23\_218 + 1722 \* X\_23\_221 + 2210 \*  
 X\_23\_222 +  
 820 \* X\_23\_223 + 2210 \* X\_23\_225 + 1540 \* X\_23\_227 + 596 \* X\_23\_228 +  
 860 \*  
 X\_23\_230 + 1122 \* X\_23\_231 + 2726 \* X\_23\_232 <= 3000;  
 [\_19262] 2210 \* X\_23\_225 + 1540 \* X\_23\_227 + 596 \* X\_23\_228 + 860 \*  
 X\_23\_230 + 1122  
 \* X\_23\_231 + 2726 \* X\_23\_232 + 1722 \* X\_23\_233 + 820 \* X\_23\_235 +  
 1086 \* X\_23\_236  
 + 2210 \* X\_23\_237 + 2018 \* X\_23\_239 <= 3000;  
 [\_19263] X\_1\_1 + X\_1\_121 <= 1;  
 [\_19264] X\_2\_1 + X\_2\_121 <= 1;  
 [\_19265] X\_3\_1 + X\_3\_121 <= 1;

[\_19266]  $X_{4_1} + X_{4_121} \leq 1;$   
 [\_19267]  $X_{5_1} + X_{5_121} \leq 1;$   
 [\_19268]  $X_{6_1} + X_{6_121} \leq 1;$   
 [\_19269]  $X_{7_1} + X_{7_121} \leq 1;$   
 [\_19270]  $X_{8_1} + X_{8_121} \leq 1;$   
 [\_19271]  $X_{9_1} + X_{9_121} \leq 1;$   
 [\_19272]  $X_{10_1} + X_{10_121} \leq 1;$   
 [\_19273]  $X_{11_1} + X_{11_121} \leq 1;$   
 [\_19274]  $X_{12_1} + X_{12_121} \leq 1;$   
 [\_19275]  $X_{13_1} + X_{13_121} \leq 1;$   
 [\_19276]  $X_{14_1} + X_{14_121} \leq 1;$   
 [\_19277]  $X_{15_1} + X_{15_121} \leq 1;$   
 [\_19278]  $X_{16_1} + X_{16_121} \leq 1;$   
 [\_19279]  $X_{17_1} + X_{17_121} \leq 1;$   
 [\_19280]  $X_{18_1} + X_{18_121} \leq 1;$   
 [\_19281]  $X_{19_1} + X_{19_121} \leq 1;$   
 [\_19282]  $X_{20_1} + X_{20_121} \leq 1;$   
 [\_19283]  $X_{21_1} + X_{21_121} \leq 1;$   
 [\_19284]  $X_{22_1} + X_{22_121} \leq 1;$   
 [\_19285]  $X_{23_1} + X_{23_121} \leq 1;$   
 [\_19286]  $X_{1_2} + X_{1_122} \leq 1;$   
 [\_19287]  $X_{2_2} + X_{2_122} \leq 1;$   
 [\_19288]  $X_{3_2} + X_{3_122} \leq 1;$   
 [\_19289]  $X_{4_2} + X_{4_122} \leq 1;$   
 [\_19290]  $X_{5_2} + X_{5_122} \leq 1;$   
 [\_19291]  $X_{6_2} + X_{6_122} \leq 1;$   
 [\_19292]  $X_{7_2} + X_{7_122} \leq 1;$   
 [\_19293]  $X_{8_2} + X_{8_122} \leq 1;$   
 [\_19294]  $X_{9_2} + X_{9_122} \leq 1;$   
 [\_19295]  $X_{10_2} + X_{10_122} \leq 1;$   
 [\_19296]  $X_{11_2} + X_{11_122} \leq 1;$   
 [\_19297]  $X_{12_2} + X_{12_122} \leq 1;$   
 [\_19298]  $X_{13_2} + X_{13_122} \leq 1;$   
 [\_19299]  $X_{14_2} + X_{14_122} \leq 1;$   
 [\_19300]  $X_{15_2} + X_{15_122} \leq 1;$   
 [\_19301]  $X_{16_2} + X_{16_122} \leq 1;$   
 [\_19302]  $X_{17_2} + X_{17_122} \leq 1;$   
 [\_19303]  $X_{18_2} + X_{18_122} \leq 1;$   
 [\_19304]  $X_{19_2} + X_{19_122} \leq 1;$   
 [\_19305]  $X_{20_2} + X_{20_122} \leq 1;$   
 [\_19306]  $X_{21_2} + X_{21_122} \leq 1;$   
 [\_19307]  $X_{22_2} + X_{22_122} \leq 1;$   
 [\_19308]  $X_{23_2} + X_{23_122} \leq 1;$   
 [\_19309]  $X_{1_3} + X_{1_123} \leq 1;$   
 [\_19310]  $X_{2_3} + X_{2_123} \leq 1;$   
 [\_19311]  $X_{3_3} + X_{3_123} \leq 1;$   
 [\_19312]  $X_{4_3} + X_{4_123} \leq 1;$   
 [\_19313]  $X_{5_3} + X_{5_123} \leq 1;$   
 [\_19314]  $X_{6_3} + X_{6_123} \leq 1;$   
 [\_19315]  $X_{7_3} + X_{7_123} \leq 1;$   
 [\_19316]  $X_{8_3} + X_{8_123} \leq 1;$   
 [\_19317]  $X_{9_3} + X_{9_123} \leq 1;$   
 [\_19318]  $X_{10_3} + X_{10_123} \leq 1;$   
 [\_19319]  $X_{11_3} + X_{11_123} \leq 1;$   
 [\_19320]  $X_{12_3} + X_{12_123} \leq 1;$   
 [\_19321]  $X_{13_3} + X_{13_123} \leq 1;$   
 [\_19322]  $X_{14_3} + X_{14_123} \leq 1;$

[\_19323]  $X_{15_3} + X_{15_{123}} \leq 1;$   
 [\_19324]  $X_{16_3} + X_{16_{123}} \leq 1;$   
 [\_19325]  $X_{17_3} + X_{17_{123}} \leq 1;$   
 [\_19326]  $X_{18_3} + X_{18_{123}} \leq 1;$   
 [\_19327]  $X_{19_3} + X_{19_{123}} \leq 1;$   
 [\_19328]  $X_{20_3} + X_{20_{123}} \leq 1;$   
 [\_19329]  $X_{21_3} + X_{21_{123}} \leq 1;$   
 [\_19330]  $X_{22_3} + X_{22_{123}} \leq 1;$   
 [\_19331]  $X_{23_3} + X_{23_{123}} \leq 1;$   
 [\_19332]  $X_{1_4} + X_{1_{124}} \leq 1;$   
 [\_19333]  $X_{2_4} + X_{2_{124}} \leq 1;$   
 [\_19334]  $X_{3_4} + X_{3_{124}} \leq 1;$   
 [\_19335]  $X_{4_4} + X_{4_{124}} \leq 1;$   
 [\_19336]  $X_{5_4} + X_{5_{124}} \leq 1;$   
 [\_19337]  $X_{6_4} + X_{6_{124}} \leq 1;$   
 [\_19338]  $X_{7_4} + X_{7_{124}} \leq 1;$   
 [\_19339]  $X_{8_4} + X_{8_{124}} \leq 1;$   
 [\_19340]  $X_{9_4} + X_{9_{124}} \leq 1;$   
 [\_19341]  $X_{10_4} + X_{10_{124}} \leq 1;$   
 [\_19342]  $X_{11_4} + X_{11_{124}} \leq 1;$   
 [\_19343]  $X_{12_4} + X_{12_{124}} \leq 1;$   
 [\_19344]  $X_{13_4} + X_{13_{124}} \leq 1;$   
 [\_19345]  $X_{14_4} + X_{14_{124}} \leq 1;$   
 [\_19346]  $X_{15_4} + X_{15_{124}} \leq 1;$   
 [\_19347]  $X_{16_4} + X_{16_{124}} \leq 1;$   
 [\_19348]  $X_{17_4} + X_{17_{124}} \leq 1;$   
 [\_19349]  $X_{18_4} + X_{18_{124}} \leq 1;$   
 [\_19350]  $X_{19_4} + X_{19_{124}} \leq 1;$   
 [\_19351]  $X_{20_4} + X_{20_{124}} \leq 1;$   
 [\_19352]  $X_{21_4} + X_{21_{124}} \leq 1;$   
 [\_19353]  $X_{22_4} + X_{22_{124}} \leq 1;$   
 [\_19354]  $X_{23_4} + X_{23_{124}} \leq 1;$   
 [\_19355]  $X_{1_5} + X_{1_{125}} \leq 1;$   
 [\_19356]  $X_{2_5} + X_{2_{125}} \leq 1;$   
 [\_19357]  $X_{3_5} + X_{3_{125}} \leq 1;$   
 [\_19358]  $X_{4_5} + X_{4_{125}} \leq 1;$   
 [\_19359]  $X_{5_5} + X_{5_{125}} \leq 1;$   
 [\_19360]  $X_{6_5} + X_{6_{125}} \leq 1;$   
 [\_19361]  $X_{7_5} + X_{7_{125}} \leq 1;$   
 [\_19362]  $X_{8_5} + X_{8_{125}} \leq 1;$   
 [\_19363]  $X_{9_5} + X_{9_{125}} \leq 1;$   
 [\_19364]  $X_{10_5} + X_{10_{125}} \leq 1;$   
 [\_19365]  $X_{11_5} + X_{11_{125}} \leq 1;$   
 [\_19366]  $X_{12_5} + X_{12_{125}} \leq 1;$   
 [\_19367]  $X_{13_5} + X_{13_{125}} \leq 1;$   
 [\_19368]  $X_{14_5} + X_{14_{125}} \leq 1;$   
 [\_19369]  $X_{15_5} + X_{15_{125}} \leq 1;$   
 [\_19370]  $X_{16_5} + X_{16_{125}} \leq 1;$   
 [\_19371]  $X_{17_5} + X_{17_{125}} \leq 1;$   
 [\_19372]  $X_{18_5} + X_{18_{125}} \leq 1;$   
 [\_19373]  $X_{19_5} + X_{19_{125}} \leq 1;$   
 [\_19374]  $X_{20_5} + X_{20_{125}} \leq 1;$   
 [\_19375]  $X_{21_5} + X_{21_{125}} \leq 1;$   
 [\_19376]  $X_{22_5} + X_{22_{125}} \leq 1;$   
 [\_19377]  $X_{23_5} + X_{23_{125}} \leq 1;$   
 [\_19378]  $X_{1_6} + X_{1_{126}} \leq 1;$   
 [\_19379]  $X_{2_6} + X_{2_{126}} \leq 1;$



[\_19380]  $X_{3_6} + X_{3_{126}} \leq 1;$   
[\_19381]  $X_{4_6} + X_{4_{126}} \leq 1;$   
[\_19382]  $X_{5_6} + X_{5_{126}} \leq 1;$   
[\_19383]  $X_{6_6} + X_{6_{126}} \leq 1;$   
[\_19384]  $X_{7_6} + X_{7_{126}} \leq 1;$   
[\_19385]  $X_{8_6} + X_{8_{126}} \leq 1;$   
[\_19386]  $X_{9_6} + X_{9_{126}} \leq 1;$   
[\_19387]  $X_{10_6} + X_{10_{126}} \leq 1;$   
[\_19388]  $X_{11_6} + X_{11_{126}} \leq 1;$   
[\_19389]  $X_{12_6} + X_{12_{126}} \leq 1;$   
[\_19390]  $X_{13_6} + X_{13_{126}} \leq 1;$   
[\_19391]  $X_{14_6} + X_{14_{126}} \leq 1;$   
[\_19392]  $X_{15_6} + X_{15_{126}} \leq 1;$   
[\_19393]  $X_{16_6} + X_{16_{126}} \leq 1;$   
[\_19394]  $X_{17_6} + X_{17_{126}} \leq 1;$   
[\_19395]  $X_{18_6} + X_{18_{126}} \leq 1;$   
[\_19396]  $X_{19_6} + X_{19_{126}} \leq 1;$   
[\_19397]  $X_{20_6} + X_{20_{126}} \leq 1;$   
[\_19398]  $X_{21_6} + X_{21_{126}} \leq 1;$   
[\_19399]  $X_{22_6} + X_{22_{126}} \leq 1;$   
[\_19400]  $X_{23_6} + X_{23_{126}} \leq 1;$   
[\_19401]  $X_{1_7} + X_{1_{127}} \leq 1;$   
[\_19402]  $X_{2_7} + X_{2_{127}} \leq 1;$   
[\_19403]  $X_{3_7} + X_{3_{127}} \leq 1;$   
[\_19404]  $X_{4_7} + X_{4_{127}} \leq 1;$   
[\_19405]  $X_{5_7} + X_{5_{127}} \leq 1;$   
[\_19406]  $X_{6_7} + X_{6_{127}} \leq 1;$   
[\_19407]  $X_{7_7} + X_{7_{127}} \leq 1;$   
[\_19408]  $X_{8_7} + X_{8_{127}} \leq 1;$   
[\_19409]  $X_{9_7} + X_{9_{127}} \leq 1;$   
[\_19410]  $X_{10_7} + X_{10_{127}} \leq 1;$   
[\_19411]  $X_{11_7} + X_{11_{127}} \leq 1;$   
[\_19412]  $X_{12_7} + X_{12_{127}} \leq 1;$   
[\_19413]  $X_{13_7} + X_{13_{127}} \leq 1;$   
[\_19414]  $X_{14_7} + X_{14_{127}} \leq 1;$   
[\_19415]  $X_{15_7} + X_{15_{127}} \leq 1;$   
[\_19416]  $X_{16_7} + X_{16_{127}} \leq 1;$   
[\_19417]  $X_{17_7} + X_{17_{127}} \leq 1;$   
[\_19418]  $X_{18_7} + X_{18_{127}} \leq 1;$   
[\_19419]  $X_{19_7} + X_{19_{127}} \leq 1;$   
[\_19420]  $X_{20_7} + X_{20_{127}} \leq 1;$   
[\_19421]  $X_{21_7} + X_{21_{127}} \leq 1;$   
[\_19422]  $X_{22_7} + X_{22_{127}} \leq 1;$   
[\_19423]  $X_{23_7} + X_{23_{127}} \leq 1;$   
[\_19424]  $X_{1_8} + X_{1_{128}} \leq 1;$   
[\_19425]  $X_{2_8} + X_{2_{128}} \leq 1;$   
[\_19426]  $X_{3_8} + X_{3_{128}} \leq 1;$   
[\_19427]  $X_{4_8} + X_{4_{128}} \leq 1;$   
[\_19428]  $X_{5_8} + X_{5_{128}} \leq 1;$   
[\_19429]  $X_{6_8} + X_{6_{128}} \leq 1;$   
[\_19430]  $X_{7_8} + X_{7_{128}} \leq 1;$   
[\_19431]  $X_{8_8} + X_{8_{128}} \leq 1;$   
[\_19432]  $X_{9_8} + X_{9_{128}} \leq 1;$   
[\_19433]  $X_{10_8} + X_{10_{128}} \leq 1;$   
[\_19434]  $X_{11_8} + X_{11_{128}} \leq 1;$   
[\_19435]  $X_{12_8} + X_{12_{128}} \leq 1;$   
[\_19436]  $X_{13_8} + X_{13_{128}} \leq 1;$

[\_19437] X\_14\_8 + X\_14\_128 <= 1;  
[\_19438] X\_15\_8 + X\_15\_128 <= 1;  
[\_19439] X\_16\_8 + X\_16\_128 <= 1;  
[\_19440] X\_17\_8 + X\_17\_128 <= 1;  
[\_19441] X\_18\_8 + X\_18\_128 <= 1;  
[\_19442] X\_19\_8 + X\_19\_128 <= 1;  
[\_19443] X\_20\_8 + X\_20\_128 <= 1;  
[\_19444] X\_21\_8 + X\_21\_128 <= 1;  
[\_19445] X\_22\_8 + X\_22\_128 <= 1;  
[\_19446] X\_23\_8 + X\_23\_128 <= 1;  
[\_19447] X\_1\_9 + X\_1\_129 <= 1;  
[\_19448] X\_2\_9 + X\_2\_129 <= 1;  
[\_19449] X\_3\_9 + X\_3\_129 <= 1;  
[\_19450] X\_4\_9 + X\_4\_129 <= 1;  
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