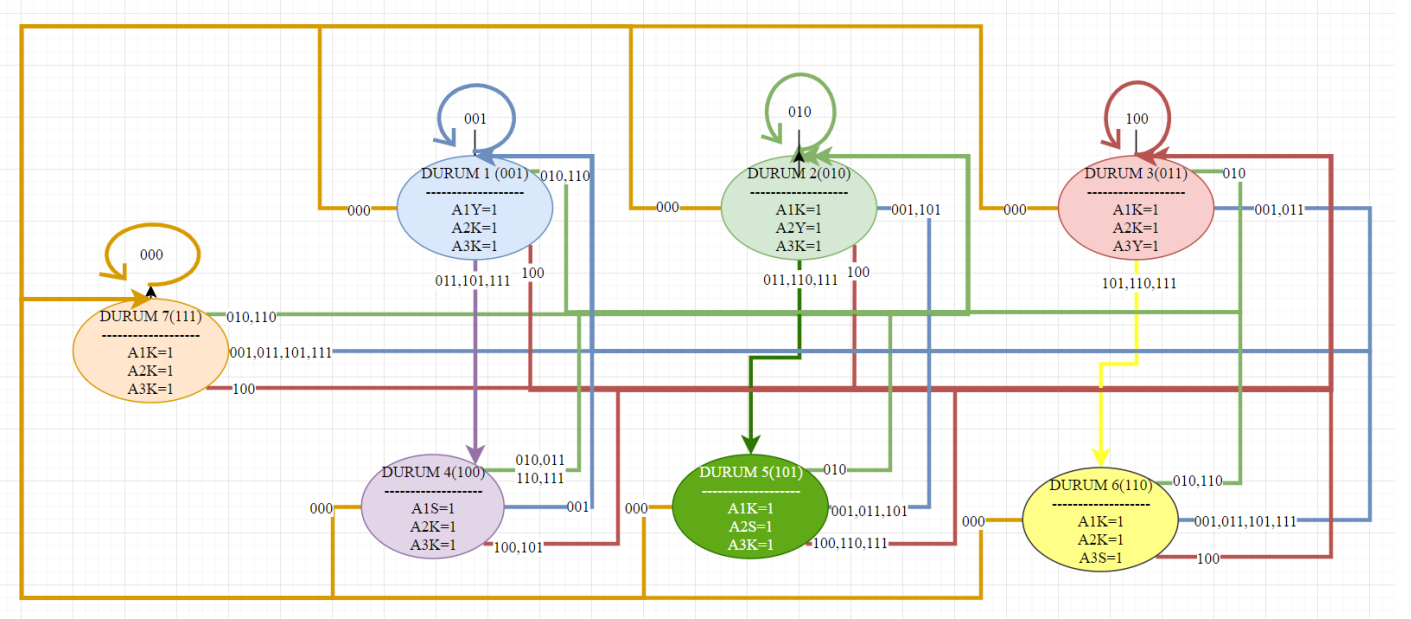


2. Sistemin Durum Diyagramı



- Mavi hat çıkışları Durum 1'ye girecek.
- Açık Yeşil hat çıkışları Durum 2'ye girecek.
- Kırmızı hat çıkışları Durum 3'e girecek.
- Turuncu hat çıkışları Durum 7'ye girecek.
- Mor hat çıkışları Durum 4'e girecek.
- Koyu Yeşil hat çıkışları Durum 5'e girecek.
- Sarı hat çıkışları Durum 6'ye girecek.

3. Durum Tablosu

Durum			
Kod			No
0	0	0	0
0	0	1	1
0	1	0	2
0	1	1	3
1	0	0	4
1	0	1	5
1	1	0	6
1	1	1	7

Q(t)	Q(t+1)	D	
0	0	0	
0	1	1	
1	0	0	
1	1	1	

No	Girişler			Şimdiki durum			Sonraki Durum			Flip Flop			IŞIKLAR								
	X3	X2	X1	A	B	C	At	Bt	Ct	DA	DB	DC	A1K	A1S	A1Y	A2K	A2S	A2Y	A3K	A3S	A3Y
0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	1	0	0	1	0	0
1	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	1	0	0	1	0	0
2	0	0	0	0	1	0	1	1	1	1	1	1	1	0	0	1	0	0	1	0	0
3	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	1	0	0	1	0	0
4	0	0	0	1	0	0	1	1	1	1	1	1	1	0	0	1	0	0	1	0	0
5	0	0	0	1	0	1	1	1	1	1	1	1	1	0	0	1	0	0	1	0	0
6	0	0	0	1	1	0	1	1	1	1	1	1	1	0	0	1	0	0	1	0	0
7	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	1	0	0	1	0	0
8	0	0	1	0	0	0	0	0	1	0	0	1	0	0	1	1	0	0	1	0	0
9	0	0	1	0	0	1	0	0	1	0	0	1	0	0	1	1	0	0	1	0	0
10	0	0	1	0	1	0	0	0	1	0	0	1	0	0	1	1	0	0	1	0	0
11	0	0	1	0	1	1	0	0	1	0	0	1	0	0	1	1	0	0	1	0	0
12	0	0	1	1	0	0	0	0	1	0	0	1	0	0	1	1	0	0	1	0	0
13	0	0	1	1	0	1	0	0	1	0	0	1	0	0	1	1	0	0	1	0	0
14	0	0	1	1	1	0	0	0	1	0	0	1	0	0	1	1	0	0	1	0	0
15	0	0	1	1	1	1	0	0	1	0	0	1	0	0	1	1	0	0	1	0	0
16	0	1	0	0	0	0	0	1	0	0	1	0	1	0	0	0	0	1	1	0	0
17	0	1	0	0	0	1	0	1	0	0	1	0	1	0	0	0	0	1	1	0	0
18	0	1	0	0	1	0	0	1	0	0	1	0	1	0	0	0	0	1	1	0	0
19	0	1	0	0	1	1	0	1	0	0	1	0	1	0	0	0	0	1	1	0	0
20	0	1	0	1	0	0	0	1	0	0	1	0	1	0	0	0	0	1	1	0	0
21	0	1	0	1	0	1	0	1	0	0	1	0	1	0	0	0	0	1	1	0	0
22	0	1	0	1	1	0	0	1	0	0	1	0	1	0	0	0	0	1	1	0	0
23	0	1	0	1	1	1	0	1	0	0	1	0	1	0	0	0	0	1	1	0	0
24	0	1	1	0	0	0	0	0	1	0	0	1	0	0	1	1	0	0	1	0	0
25	0	1	1	0	0	1	1	0	0	1	0	0	0	1	0	1	0	0	1	0	0
26	0	1	1	0	1	0	1	0	1	1	0	1	1	0	0	0	1	0	1	0	0
27	0	1	1	0	1	1	0	0	1	0	0	1	0	0	1	1	0	0	1	0	0
28	0	1	1	1	0	0	0	1	0	0	1	0	1	0	0	0	0	1	1	0	0

29	0	1	1	1	0	1	0	0	1	0	0	1	0	0	1	1	0	0	1	0	0
30	0	1	1	1	1	0	0	0	1	0	0	1	0	0	1	1	0	0	1	0	0
31	0	1	1	1	1	1	0	0	1	0	0	1	0	0	1	1	0	0	1	0	0
32	1	0	0	0	0	0	0	1	1	0	1	1	1	0	0	1	0	0	0	0	1
33	1	0	0	0	0	1	0	1	1	0	1	1	1	0	0	1	0	0	0	0	1
34	1	0	0	0	1	0	0	1	1	0	1	1	1	0	0	1	0	0	0	0	1
35	1	0	0	0	1	1	0	1	1	0	1	1	1	0	0	1	0	0	0	0	1
36	1	0	0	1	0	0	0	1	1	0	1	1	1	0	0	1	0	0	0	0	1
37	1	0	0	1	0	1	0	1	1	0	1	1	1	0	0	1	0	0	0	0	1
38	1	0	0	1	1	0	0	1	1	0	1	1	1	0	0	1	0	0	0	0	1
39	1	0	0	1	1	1	0	1	1	0	1	1	1	0	0	1	0	0	0	0	1
40	1	0	1	0	0	0	0	0	1	0	0	1	0	0	1	1	0	0	1	0	0
41	1	0	1	0	0	1	1	0	0	1	0	0	0	0	1	1	0	0	1	0	0
42	1	0	1	0	1	0	0	0	1	0	0	1	0	0	1	1	0	0	1	0	0
43	1	0	1	0	1	1	1	1	0	1	1	0	1	0	0	1	0	0	0	1	0
44	1	0	1	1	0	0	0	1	1	0	1	1	1	0	0	1	0	0	0	0	1
45	1	0	1	1	0	1	0	0	1	0	0	1	0	0	1	1	0	0	1	0	0
46	1	0	1	1	1	0	0	0	1	0	0	1	0	0	1	1	0	0	1	0	0
47	1	0	1	1	1	1	0	0	1	0	0	1	0	0	1	1	0	0	1	0	0
48	1	1	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1	1	1	0	0
49	1	1	0	0	0	1	0	1	0	0	1	0	0	0	0	0	1	1	1	0	0
50	1	1	0	0	1	0	1	0	1	1	0	1	0	0	0	1	0	1	1	0	0
51	1	1	0	0	1	1	1	1	0	1	1	0	0	0	0	1	0	0	0	1	0
52	1	1	0	1	0	0	0	1	0	0	1	0	0	0	0	0	1	1	1	0	0
53	1	1	0	1	0	1	0	1	1	0	1	1	0	0	0	1	0	0	0	0	1
54	1	1	0	1	1	0	0	1	0	0	1	0	0	0	0	0	1	1	1	0	0
55	1	1	0	1	1	1	0	1	0	0	1	0	0	0	0	0	1	1	1	0	0
56	1	1	1	0	0	0	0	0	1	0	0	1	0	0	1	1	0	0	1	0	0
57	1	1	1	0	0	1	1	0	0	1	0	0	0	0	0	1	0	0	1	0	0
58	1	1	1	0	1	0	1	0	1	1	0	1	0	0	0	1	0	0	1	0	0
59	1	1	1	0	1	1	1	1	0	1	1	0	0	0	0	1	0	0	0	1	0
60	1	1	1	1	0	0	0	1	0	0	1	0	0	0	0	0	1	1	1	0	0
61	1	1	1	1	0	1	0	1	1	0	1	1	0	0	0	1	0	0	0	0	1
62	1	1	1	1	1	0	0	0	1	0	0	1	0	0	1	1	0	0	1	0	0
63	1	1	1	1	1	1	0	0	1	0	0	1	0	0	1	1	0	0	1	0	0

4. Denklemler ve Sadeleştirme İşlemleri

DA İÇİN 1. SEVİYE

No	X3	X2	X1	A	B	C	DA	Gruplar
0,1	0	0	0	0	0	—	1	0
0,2	0	0	0	0	—	0	1	0
0,4	0	0	0	—	0	0	1	0
1,3	0	0	0	0	—	1	1	1
1,5	0	0	0	—	0	1	1	1
2,3	0	0	0	0	1	—	1	1
2,6	0	0	0	—	1	0	1	1
4,5	0	0	0	1	0	—	1	1
4,6	0	0	0	1	—	0	1	1
3,7	0	0	0	—	1	1	1	2
5,7	0	0	0	1	—	1	1	2
6,7	0	0	0	1	1	—	1	2
25,57	—	1	1	0	0	1	1	3
26,58	—	1	1	0	1	0	1	3
41,43	1	0	1	0	—	1	1	3
41,57	1	—	1	0	0	1	1	3
50,51	1	1	0	0	1	—	1	3
50,58	1	1	—	0	1	0	1	3
43,59	1	—	1	0	1	1	1	4
51,59	1	1	—	0	1	1	1	4
57,59	1	1	1	0	—	1	1	4
58,59	1	1	1	0	1	—	1	4

DA İÇİN 2. SEVİYE

No	X3	X2	X1	A	B	C	DA	Gruplar
0,1,2,3	0	0	0	0	—	—	1	0
0,1,4,5	0	0	0	—	0	—	1	0
0,2,4,6	0	0	0	—	—	0	1	0
1,3,5,7	0	0	0	—	—	1	1	1
2,3,6,7	0	0	0	—	1	—	1	1
4,5,6,7	0	0	0	1	—	—	1	1
41,43,57,59	1	—	1	0	—	1	1	3
50,51,58,59	1	1	—	0	1	—	1	3

DA İÇİN 3.SEVİYE

No	X3	X2	X1	A	B	C	DA	Gruplar
0,1,2,3,4,5,6,7	0	0	0	—	—	—	1	0

DA İÇİN FORMÜL.

No	X3	X2	X1	A	B	C
25	0	1	1	0	0	1
0,1,2,3,4,5,6,7	0	0	0	—	—	—
41,43,57,59	1	—	1	0	—	1
26,58	—	1	1	0	1	0
50,51	1	1	0	0	1	—

$$!X3X2X1!A!BC + !X3!X2!X1 + X3X1!AC + X2X1!AB!C + X3X2!X1!AB$$

DB İÇİN 1. SEVİYE

No	X3	X2	X1	A	B	C	DB	Gruplar
0,1	0	0	0	0	0	—	1	0
0,2	0	0	0	0	—	0	1	0
0,4	0	0	0	—	0	0	1	0
0,16	0	—	0	0	0	0	1	0
0,32	—	0	0	0	0	0	1	0
1,3	0	0	0	0	—	1	1	1
1,5	0	0	0	—	0	1	1	1
1,17	0	—	0	0	0	1	1	1
1,33	—	0	0	0	0	1	1	1
2,3	0	0	0	0	1	—	1	1
2,6	0	0	0	—	1	0	1	1
2,18	0	—	0	0	1	0	1	1
2,34	—	0	0	0	1	0	1	1
4,5	0	0	0	1	0	—	1	1
4,6	0	0	0	1	—	0	1	1
4,20	0	—	0	1	0	0	1	1
4,36	—	0	0	1	0	0	1	1
16,17	0	1	0	0	0	—	1	1
16,18	0	1	0	0	—	0	1	1
16,20	0	1	0	—	0	0	1	1
16,48	—	1	0	0	0	0	1	1
32,33	1	0	0	0	0	—	1	1
32,34	1	0	0	0	—	0	1	1
32,36	1	0	0	—	0	0	1	1
32,48	1	—	0	0	0	0	1	1
3,7	0	0	0	—	1	1	1	2
3,19	0	—	0	0	1	1	1	2
3,35	—	0	0	0	1	1	1	2
5,7	0	0	0	1	—	1	1	2
5,21	0	—	0	1	0	1	1	2
5,37	—	0	0	1	0	1	1	2
6,7	0	0	0	1	1	—	1	2
6,22	0	—	0	1	1	0	1	2
6,38	—	0	0	1	1	0	1	2
17,19	0	1	0	0	—	1	1	2
17,21	0	1	0	—	0	1	1	2
17,49	—	1	0	0	0	1	1	2
18,19	0	1	0	0	1	—	1	2
18,22	0	1	0	—	1	0	1	2
20,21	0	1	0	1	0	—	1	2
20,22	0	1	0	1	—	0	1	2
20,28	0	1	—	1	0	0	1	2
20,52	—	1	0	1	0	0	1	2
33,35	1	0	0	0	—	1	1	2
33,37	1	0	0	—	0	1	1	2
33,49	1	—	0	0	0	1	1	2

34,35	1	0	0	0	1	—	1	2
34,38	1	0	0	—	1	0	1	2
36,37	1	0	0	1	0	—	1	2
36,38	1	0	0	1	—	0	1	2
36,44	1	0	—	1	0	0	1	2
36,52	1	—	0	1	0	0	1	2
48,49	1	1	0	0	0	—	1	2
48,52	1	1	0	—	0	0	1	2
7,23	0	—	0	1	1	1	1	3
7,39	—	0	0	1	1	1	1	3
19,23	0	1	0	—	1	1	1	3
19,51	—	1	0	0	1	1	1	3
21,23	0	1	0	1	—	1	1	3
21,53	—	1	0	1	0	1	1	3
22,23	0	1	0	1	1	—	1	3
22,54	—	1	0	1	1	0	1	3
28,60	—	1	1	1	0	0	1	3
35,39	1	0	0	—	1	1	1	3
35,43	1	0	—	0	1	1	1	3
35,51	1	—	0	0	1	1	1	3
37,39	1	0	0	1	—	1	1	3
37,53	1	—	0	1	0	1	1	3
38,39	1	0	0	1	1	—	1	3
38,54	1	—	0	1	1	0	1	3
44,60	1	—	1	1	0	0	1	3
49,51	1	1	0	0	—	1	1	3
49,53	1	1	0	—	0	1	1	3
52,53	1	1	0	1	0	—	1	3
52,54	1	1	0	1	—	0	1	3
52,60	1	1	—	1	0	0	1	3
23,55	—	1	0	1	1	1	1	4
39,55	1	—	0	1	1	1	1	4
43,59	1	—	1	0	1	1	1	4
51,55	1	1	0	—	1	1	1	4
51,59	1	1	—	0	1	1	1	4
53,55	1	1	0	1	—	1	1	4
53,61	1	1	—	1	0	1	1	4
54,55	1	1	0	1	1	—	1	4
60,61	1	1	1	1	0	—	1	4

DB İÇİN 2. SEVİYE

No	X3	X2	X1	A	B	C	DB	Gruplar
0,1,2,3	0	0	0	0	—	—	1	0
0,1,4,5	0	0	0	—	0	—	1	0
0,1,16,17	0	—	0	0	0	—	1	0
0,1,32,33	—	0	0	0	0	—	1	0
0,2,4,6	0	0	0	—	—	0	1	0
0,2,16,18	0	—	0	0	—	0	1	0
0,2,32,34	—	0	0	0	—	0	1	0
0,4,16,20	0	—	0	—	0	0	1	0
0,4,32,36	—	0	0	—	0	0	1	0
0,16,32,48	—	—	0	0	0	0	1	0
1,3,5,7	0	0	0	—	—	1	1	1
1,3,17,19	0	—	0	0	—	1	1	1
1,3,33,35	—	0	0	0	—	1	1	1
1,5,17,21	0	—	0	—	0	1	1	1
1,5,33,37	—	0	0	—	0	1	1	1
1,17,33,49	—	—	0	0	0	1	1	1
2,3,6,7	0	0	0	—	1	—	1	1
2,3,18,19	0	—	0	0	1	—	1	1
2,3,34,35	—	0	0	0	1	—	1	1
2,6,18,22	0	—	0	—	1	0	1	1
2,6,34,38	—	0	0	—	1	0	1	1
4,5,6,7	0	0	0	1	—	—	1	1
4,5,20,21	0	—	0	1	0	—	1	1
4,5,36,37	—	0	0	1	0	—	1	1
4,6,20,22	0	—	0	1	—	0	1	1
4,6,36,38	—	0	0	1	—	0	1	1
4,20,36,52	—	—	0	1	0	0	1	1
16,17,18,19	0	1	0	0	—	—	1	1
16,17,20,21	0	1	0	—	0	—	1	1
16,17,48,49	—	1	0	0	0	—	1	1
16,18,20,22	0	1	0	—	—	0	1	1
16,20,48,52	—	1	0	—	0	0	1	1
32,33,34,35	1	0	0	0	—	—	1	1
32,33,36,37	1	0	0	—	0	—	1	1
32,33,48,49	1	—	0	0	0	—	1	1
32,34,36,38	1	0	0	—	—	0	1	1
32,36,48,52	1	—	0	—	0	0	1	1
3,7,19,23	0	—	0	—	1	1	1	2
3,7,35,39	—	0	0	—	1	1	1	2
3,19,35,51	—	—	0	0	1	1	1	2
5,7,21,23	0	—	0	1	—	1	1	2
5,7,37,39	—	0	0	1	—	1	1	2
5,21,37,53	—	—	0	1	0	1	1	2
6,7,22,23	0	—	0	1	1	—	1	2
6,7,38,39	—	0	0	1	1	—	1	2
6,22,38,54	—	—	0	1	1	0	1	2
17,19,21,23	0	1	0	—	—	1	1	2

17,19,49,51	—	1	0	0	—	1	1	2
17,21,49,53	—	1	0	—	0	1	1	2
18,19,22,23	0	1	0	—	1	—	1	2
20,21,22,23	0	1	0	1	—	—	1	2
20,21,52,53	—	1	0	1	0	—	1	2
20,22,52,54	—	1	0	1	—	0	1	2
20,28,52,60	—	1	—	1	0	0	1	2
33,35,37,39	1	0	0	—	—	1	1	2
33,35,49,51	1	—	0	0	—	1	1	2
33,37,49,53	1	—	0	—	0	1	1	2
34,35,38,39	1	0	0	—	1	—	1	2
36,37,38,39	1	0	0	1	—	—	1	2
36,37,52,53	1	—	0	1	0	—	1	2
36,38,52,54	1	—	0	1	—	0	1	2
36,44,52,60	1	—	—	1	0	0	1	2
48,49,52,53	1	1	0	—	0	—	1	2
7,23,39,55	—	—	0	1	1	1	1	3
19,23,51,55	—	1	0	—	1	1	1	3
21,23,53,55	—	1	0	1	—	1	1	3
22,23,54,55	—	1	0	1	1	—	1	3
35,39,51,55	1	—	0	—	1	1	1	3
35,43,51,59	1	—	—	0	1	1	1	3
37,39,53,55	1	—	0	1	—	1	1	3
38,39,54,55	1	—	0	1	1	—	1	3
49,51,53,55	1	1	0	—	—	1	1	3
52,53,54,55	1	1	0	1	—	—	1	3
52,53,60,61	1	1	—	1	0	—	1	3

DB İÇİN 3. SEVİYE

No	X3	X2	X1	A	B	C	DB	Gruplar
0,1,2,3,4,5,6,7	0	0	0	—	—	—	1	0
0,1,2,3,16,17,18,19	0	—	0	0	—	—	1	0
0,1,2,3,32,33,34,35	—	0	0	0	—	—	1	0
0,1,4,5,16,17,20,21	0	—	0	—	0	—	1	0
0,1,4,5,32,33,36,37	—	0	0	—	0	—	1	0
0,1,16,17,32,33,48,49	—	—	0	0	0	—	1	0
0,2,4,6,16,18,20,22	0	—	0	—	—	0	1	0
0,2,4,6,32,34,36,38	—	0	0	—	—	0	1	0
0,4,16,20,32,36,48,52	—	—	0	—	0	0	1	0
1,3,5,7,17,19,21,23	0	—	0	—	—	1	1	1
1,3,5,7,33,35,37,39	—	0	0	—	—	1	1	1
1,3,17,19,33,35,49,51	—	—	0	0	—	1	1	1
1,5,17,21,33,37,49,53	—	—	0	—	0	1	1	1
2,3,6,7,18,19,22,23	0	—	0	—	1	—	1	1
2,3,6,7,34,35,38,39	—	0	0	—	1	—	1	1
4,5,6,7,20,21,22,23	0	—	0	1	—	—	1	1
4,5,6,7,36,37,38,39	—	0	0	1	—	—	1	1
4,5,20,21,36,37,52,53	—	—	0	1	0	—	1	1
4,6,20,22,36,38,52,54	—	—	0	1	—	0	1	1
16,17,18,19,20,21,22,23	0	1	0	—	—	—	1	1
16,17,20,21,48,49,52,53	—	1	0	—	0	—	1	1
32,33,34,35,36,37,38,39	1	0	0	—	—	—	1	1
32,33,36,37,48,49,52,53	1	—	0	—	0	—	1	1
3,7,19,23,35,39,51,55	—	—	0	—	1	1	1	2
5,7,21,23,37,39,53,55	—	—	0	1	—	1	1	2
6,7,22,23,38,39,54,55	—	—	0	1	1	—	1	2
17,19,21,23,49,51,53,55	—	1	0	—	—	1	1	2
20,21,22,23,52,53,54,55	—	1	0	1	—	—	1	2
33,35,37,39,49,51,53,55	1	—	0	—	—	1	1	2
36,37,38,39,52,53,54,55	1	—	0	1	—	—	1	2

DB İÇİN 4. SEVİYE

No	X3	X2	X1	A	B	C	DB	Gruplar
0,1,2,3,4,5,6,7,16,17,18,19,20,21,22,23	0	—	0	—	—	—	1	0
0,1,2,3,4,5,6,7,32,33,34,35,36,37,38,39	—	0	0	—	—	—	1	0
0,1,4,5,16,17,20,21,32,33,36,37,48,49,52,53	—	—	0	—	0	—	1	0
1,3,5,7,17,19,21,23,33,35,37,39,49,51,53,55	—	—	0	—	—	1	1	1
4,5,6,7,20,21,22,23,36,37,38,39,52,53,54,55	—	—	0	1	—	—	1	1

DB İÇİN FORMÜL

No	X3	X2	X1	A	B	C
2,3,18,19	0	—	0	0	1	—
0,1,4,5,16,17,20,21,32,33,36,37,48,49,52,53	—	—	0	—	0	—
6,7,22,23,38,39,54,55	—	—	0	1	1	—
35,43,51,59	1	—	—	0	1	1
28,6	—	1	1	1	0	0
34	1	0	0	0	1	0
44	1	0	1	1	0	0
61	1	1	1	1	0	1

$!X3!X1!AB + !X1!B + !X1AB + X3!ABC + X2X1A!B!C + X3!X2!X1!AB!C + X3!X2X1A!B!C + X3X2X1A!BC$

DC İÇİN 1. SEVİYE

No	X3	X2	X1	A	B	C	DC	Gruplar
0,1	0	0	0	0	0	—	1	0
0,2	0	0	0	0	—	0	1	0
0,4	0	0	0	—	0	0	1	0
0,8	0	0	—	0	0	0	1	0
0,32	—	0	0	0	0	0	1	0
1,3	0	0	0	0	—	1	1	1
1,5	0	0	0	—	0	1	1	1
1,9	0	0	—	0	0	1	1	1
1,33	—	0	0	0	0	1	1	1
2,3	0	0	0	0	1	—	1	1
2,6	0	0	0	—	1	0	1	1
2,10	0	0	—	0	1	0	1	1
2,34	—	0	0	0	1	0	1	1
4,5	0	0	0	1	0	—	1	1
4,6	0	0	0	1	—	0	1	1
4,12	0	0	—	1	0	0	1	1
4,36	—	0	0	1	0	0	1	1
8,9	0	0	1	0	0	—	1	1
8,10	0	0	1	0	—	0	1	1
8,12	0	0	1	—	0	0	1	1
8,24	0	—	1	0	0	0	1	1
8,40	—	0	1	0	0	0	1	1
32,33	1	0	0	0	0	—	1	1
32,34	1	0	0	0	—	0	1	1
32,36	1	0	0	—	0	0	1	1
32,40	1	0	—	0	0	0	1	1
3,7	0	0	0	—	1	1	1	2
3,11	0	0	—	0	1	1	1	2
3,35	—	0	0	0	1	1	1	2
5,7	0	0	0	1	—	1	1	2
5,13	0	0	—	1	0	1	1	2
5,37	—	0	0	1	0	1	1	2
6,7	0	0	0	1	1	—	1	2
6,14	0	0	—	1	1	0	1	2
6,38	—	0	0	1	1	0	1	2
9,11	0	0	1	0	—	1	1	2
9,13	0	0	1	—	0	1	1	2
10,11	0	0	1	0	1	—	1	2
10,14	0	0	1	—	1	0	1	2
10,26	0	—	1	0	1	0	1	2
10,42	—	0	1	0	1	0	1	2
12,13	0	0	1	1	0	—	1	2
12,14	0	0	1	1	—	0	1	2
12,44	—	0	1	1	0	0	1	2
24,26	0	1	1	0	—	0	1	2
24,56	—	1	1	0	0	0	1	2
33,35	1	0	0	0	—	1	1	2

33,37	1	0	0	_	0	1	1	2
34,35	1	0	0	0	1	_	1	2
34,38	1	0	0	_	1	0	1	2
34,42	1	0	_	0	1	0	1	2
34,50	1	_	0	0	1	0	1	2
36,37	1	0	0	1	0	_	1	2
36,38	1	0	0	1	_	0	1	2
36,44	1	0	_	1	0	0	1	2
40,42	1	0	1	0	_	0	1	2
40,44	1	0	1	_	0	0	1	2
40,56	1	_	1	0	0	0	1	2
7,15	0	0	_	1	1	1	1	3
7,39	_	0	0	1	1	1	1	3
11,15	0	0	1	_	1	1	1	3
11,27	0	_	1	0	1	1	1	3
13,15	0	0	1	1	_	1	1	3
13,29	0	_	1	1	0	1	1	3
13,45	_	0	1	1	0	1	1	3
14,15	0	0	1	1	1	_	1	3
14,30	0	_	1	1	1	0	1	3
14,46	_	0	1	1	1	0	1	3
26,27	0	1	1	0	1	_	1	3
26,30	0	1	1	_	1	0	1	3
26,58	_	1	1	0	1	0	1	3
35,39	1	0	0	_	1	1	1	3
37,39	1	0	0	1	_	1	1	3
37,45	1	0	_	1	0	1	1	3
37,53	1	_	0	1	0	1	1	3
38,39	1	0	0	1	1	_	1	3
38,46	1	0	_	1	1	0	1	3
42,46	1	0	1	_	1	0	1	3
42,58	1	_	1	0	1	0	1	3
44,45	1	0	1	1	0	_	1	3
44,46	1	0	1	1	_	0	1	3
50,58	1	1	_	0	1	0	1	3
56,58	1	1	1	0	_	0	1	3
15,31	0	_	1	1	1	1	1	4
15,47	_	0	1	1	1	1	1	4
27,31	0	1	1	_	1	1	1	4
29,31	0	1	1	1	_	1	1	4
29,61	_	1	1	1	0	1	1	4
30,31	0	1	1	1	1	_	1	4
30,62	_	1	1	1	1	0	1	4
39,47	1	0	_	1	1	1	1	4
45,47	1	0	1	1	_	1	1	4
45,61	1	_	1	1	0	1	1	4
46,47	1	0	1	1	1	_	1	4
46,62	1	_	1	1	1	0	1	4
53,61	1	1	_	1	0	1	1	4

58,62	1	1	1	—	1	0	1	4
31,63	—	1	1	1	1	1	1	5
47,63	1	—	1	1	1	1	1	5
61,63	1	1	1	1	—	1	1	5
62,63	1	1	1	1	1	—	1	5

DC İÇİN 2. SEVİYE

No	X3	X2	X1	A	B	C	DC	Gruplar
0,1,2,3	0	0	0	0	—	—	1	0
0,1,4,5	0	0	0	—	0	—	1	0
0,1,8,9	0	0	—	0	0	—	1	0
0,1,32,33	—	0	0	0	0	—	1	0
0,2,4,6	0	0	0	—	—	0	1	0
0,2,8,10	0	0	—	0	—	0	1	0
0,2,32,34	—	0	0	0	—	0	1	0
0,4,8,12	0	0	—	—	0	0	1	0
0,4,32,36	—	0	0	—	0	0	1	0
0,8,32,40	—	0	—	0	0	0	1	0
1,3,5,7	0	0	0	—	—	1	1	1
1,3,9,11	0	0	—	0	—	1	1	1
1,3,33,35	—	0	0	0	—	1	1	1
1,5,9,13	0	0	—	—	0	1	1	1
1,5,33,37	—	0	0	—	0	1	1	1
2,3,6,7	0	0	0	—	1	—	1	1
2,3,10,11	0	0	—	0	1	—	1	1
2,3,34,35	—	0	0	0	1	—	1	1
2,6,10,14	0	0	—	—	1	0	1	1
2,6,34,38	—	0	0	—	1	0	1	1
2,10,34,42	—	0	—	0	1	0	1	1
4,5,6,7	0	0	0	1	—	—	1	1
4,5,12,13	0	0	—	1	0	—	1	1
4,5,36,37	—	0	0	1	0	—	1	1
4,6,12,14	0	0	—	1	—	0	1	1
4,6,36,38	—	0	0	1	—	0	1	1
4,12,36,44	—	0	—	1	0	0	1	1
8,9,10,11	0	0	1	0	—	—	1	1
8,9,12,13	0	0	1	—	0	—	1	1
8,10,12,14	0	0	1	—	—	0	1	1
8,10,24,26	0	—	1	0	—	0	1	1
8,10,40,42	—	0	1	0	—	0	1	1
8,12,40,44	—	0	1	—	0	0	1	1
8,24,40,56	—	—	1	0	0	0	1	1
32,33,34,35	1	0	0	0	—	—	1	1
32,33,36,37	1	0	0	—	0	—	1	1
32,34,36,38	1	0	0	—	—	0	1	1
32,34,40,42	1	0	—	0	—	0	1	1
32,36,40,44	1	0	—	—	0	0	1	1
3,7,11,15	0	0	—	—	1	1	1	2
3,7,35,39	—	0	0	—	1	1	1	2
5,7,13,15	0	0	—	1	—	1	1	2
5,7,37,39	—	0	0	1	—	1	1	2
5,13,37,45	—	0	—	1	0	1	1	2
6,7,14,15	0	0	—	1	1	—	1	2
6,7,38,39	—	0	0	1	1	—	1	2
6,14,38,46	—	0	—	1	1	0	1	2

9,11,13,15	0	0	1	—	—	1	1	2
10,11,14,15	0	0	1	—	1	—	1	2
10,11,26,27	0	—	1	0	1	—	1	2
10,14,26,30	0	—	1	—	1	0	1	2
10,14,42,46	—	0	1	—	1	0	1	2
10,26,42,58	—	—	1	0	1	0	1	2
12,13,14,15	0	0	1	1	—	—	1	2
12,13,44,45	—	0	1	1	0	—	1	2
12,14,44,46	—	0	1	1	—	0	1	2
24,26,56,58	—	1	1	0	—	0	1	2
33,35,37,39	1	0	0	—	—	1	1	2
34,35,38,39	1	0	0	—	1	—	1	2
34,38,42,46	1	0	—	—	1	0	1	2
34,42,50,58	1	—	—	0	1	0	1	2
36,37,38,39	1	0	0	1	—	—	1	2
36,37,44,45	1	0	—	1	0	—	1	2
36,38,44,46	1	0	—	1	—	0	1	2
40,42,44,46	1	0	1	—	—	0	1	2
40,42,56,58	1	—	1	0	—	0	1	2
7,15,39,47	—	0	—	1	1	1	1	3
11,15,27,31	0	—	1	—	1	1	1	3
13,15,29,31	0	—	1	1	—	1	1	3
13,15,45,47	—	0	1	1	—	1	1	3
13,29,45,61	—	—	1	1	0	1	1	3
14,15,30,31	0	—	1	1	1	—	1	3
14,15,46,47	—	0	1	1	1	—	1	3
14,30,46,62	—	—	1	1	1	0	1	3
26,27,30,31	0	1	1	—	1	—	1	3
26,30,58,62	—	1	1	—	1	0	1	3
37,39,45,47	1	0	—	1	—	1	1	3
37,45,53,61	1	—	—	1	0	1	1	3
38,39,46,47	1	0	—	1	1	—	1	3
42,46,58,62	1	—	1	—	1	0	1	3
44,45,46,47	1	0	1	1	—	—	1	3
15,31,47,63	—	—	1	1	1	1	1	4
29,31,61,63	—	1	1	1	—	1	1	4
30,31,62,63	—	1	1	1	1	—	1	4
45,47,61,63	1	—	1	1	—	1	1	4
46,47,62,63	1	—	1	1	1	—	1	4

DC İÇİN 3. SEVİYE

No	X3	X2	X1	A	B	C	DC	Gruplar
0,1,2,3,4,5,6,7	0	0	0	_	_	_	1	0
0,1,2,3,8,9,10,11	0	0	_	0	_	_	1	0
0,1,2,3,32,33,34,35	_	0	0	0	_	_	1	0
0,1,4,5,8,9,12,13	0	0	_	_	0	_	1	0
0,1,4,5,32,33,36,37	_	0	0	_	0	_	1	0
0,2,4,6,8,10,12,14	0	0	_	_	_	0	1	0
0,2,4,6,32,34,36,38	_	0	0	_	_	0	1	0
0,2,8,10,32,34,40,42	_	0	_	0	_	0	1	0
0,4,8,12,32,36,40,44	_	0	_	_	0	0	1	0
1,3,5,7,9,11,13,15	0	0	_	_	_	1	1	1
1,3,5,7,33,35,37,39	_	0	0	_	_	1	1	1
2,3,6,7,10,11,14,15	0	0	_	_	1	_	1	1
2,3,6,7,34,35,38,39	_	0	0	_	1	_	1	1
2,6,10,14,34,38,42,46	_	0	_	_	1	0	1	1
4,5,6,7,12,13,14,15	0	0	_	1	_	_	1	1
4,5,6,7,36,37,38,39	_	0	0	1	_	_	1	1
4,5,12,13,36,37,44,45	_	0	_	1	0	_	1	1
4,6,12,14,36,38,44,46	_	0	_	1	_	0	1	1
8,9,10,11,12,13,14,15	0	0	1	_	_	_	1	1
8,10,12,14,40,42,44,46	_	0	1	_	_	0	1	1
8,10,24,26,40,42,56,58	_	_	1	0	_	0	1	1
32,33,34,35,36,37,38,39	1	0	0	_	_	_	1	1
32,34,36,38,40,42,44,46	1	0	_	_	_	0	1	1
5,7,13,15,37,39,45,47	_	0	_	1	_	1	1	2
6,7,14,15,38,39,46,47	_	0	_	1	1	_	1	2
10,11,14,15,26,27,30,31	0	_	1	_	1	_	1	2
10,14,26,30,42,46,58,62	_	_	1	_	1	0	1	2
12,13,14,15,44,45,46,47	_	0	1	1	_	_	1	2
36,37,38,39,44,45,46,47	1	0	_	1	_	_	1	2
13,15,29,31,45,47,61,63	_	_	1	1	_	1	1	3
14,15,30,31,46,47,62,63	_	_	1	1	1	_	1	3

DC İÇİN 4. SEVİYE

No	X3	X2	X1	A	B	C	DC	Gruplar
0,1,2,3,4,5,6,7,8,9,10,11,12,13,14,15	0	0	—	—	—	—	1	0
0,1,2,3,4,5,6,7,32,33,34,35,36,37,38,39	—	0	0	—	—	—	1	0
0,2,4,6,8,10,12,14,32,34,36,38,40,42,44,46	—	0	—	—	—	0	1	0
4,5,6,7,12,13,14,15,36,37,38,39,44,45,46,47	—	0	—	1	—	—	1	1

DC İÇİN FORMÜL

No	X3	X2	X1	A	B	C
9	0	0	1	0	0	1
0,1,2,3,4,5,6,7,32,33,34,35,36,37,38,39	—	0	0	—	—	—
8,10,12,14,40,42,44,46	—	0	1	—	—	0
13,15,29,31,45,47,61,63	—	—	1	1	—	1
24,26,56,58	—	1	1	0	—	0
11,27	0	—	1	0	1	1
30,62	—	1	1	1	1	0
50	1	1	0	0	1	0
53	1	1	0	1	0	1

$\neg X3 \neg X2 X1 \neg A \neg B C + \neg X2 \neg X1 + \neg X2 X1 \neg C + X1 A C + X2 X1 \neg A \neg C + \neg X3 X1 \neg A \neg B C + X2 X1 A \neg B C + X3 X2 \neg X1 \neg A \neg B C +$
 $X3 X2 \neg X1 A \neg B C$

A1K İÇİN 1. SEVİYE

No	X3	X2	X1	A	B	C	A1K	Gruplar
0,1	0	0	0	0	0	—	1	0
0,2	0	0	0	0	—	0	1	0
0,4	0	0	0	—	0	0	1	0
0,16	0	—	0	0	0	0	1	0
0,32	—	0	0	0	0	0	1	0
1,3	0	0	0	0	—	1	1	1
1,5	0	0	0	—	0	1	1	1
1,17	0	—	0	0	0	1	1	1
1,33	—	0	0	0	0	1	1	1
2,3	0	0	0	0	1	—	1	1
2,6	0	0	0	—	1	0	1	1
2,18	0	—	0	0	1	0	1	1
2,34	—	0	0	0	1	0	1	1
4,5	0	0	0	1	0	—	1	1
4,6	0	0	0	1	—	0	1	1
4,20	0	—	0	1	0	0	1	1
4,36	—	0	0	1	0	0	1	1
16,17	0	1	0	0	0	—	1	1
16,18	0	1	0	0	—	0	1	1
16,20	0	1	0	—	0	0	1	1
16,48	—	1	0	0	0	0	1	1
32,33	1	0	0	0	0	—	1	1
32,34	1	0	0	0	—	0	1	1
32,36	1	0	0	—	0	0	1	1
32,48	1	—	0	0	0	0	1	1
3,7	0	0	0	—	1	1	1	2
3,19	0	—	0	0	1	1	1	2
3,35	—	0	0	0	1	1	1	2
5,7	0	0	0	1	—	1	1	2
5,21	0	—	0	1	0	1	1	2
5,37	—	0	0	1	0	1	1	2
6,7	0	0	0	1	1	—	1	2
6,22	0	—	0	1	1	0	1	2
6,38	—	0	0	1	1	0	1	2
17,19	0	1	0	0	—	1	1	2
17,21	0	1	0	—	0	1	1	2
17,49	—	1	0	0	0	1	1	2
18,19	0	1	0	0	1	—	1	2
18,22	0	1	0	—	1	0	1	2
18,26	0	1	—	0	1	0	1	2
18,50	—	1	0	0	1	0	1	2
20,21	0	1	0	1	0	—	1	2
20,22	0	1	0	1	—	0	1	2
20,28	0	1	—	1	0	0	1	2
20,52	—	1	0	1	0	0	1	2

33,35	1	0	0	0	—	1	1	2
33,37	1	0	0	—	0	1	1	2
33,49	1	—	0	0	0	1	1	2
34,35	1	0	0	0	1	—	1	2
34,38	1	0	0	—	1	0	1	2
34,50	1	—	0	0	1	0	1	2
36,37	1	0	0	1	0	—	1	2
36,38	1	0	0	1	—	0	1	2
36,44	1	0	—	1	0	0	1	2
36,52	1	—	0	1	0	0	1	2
48,49	1	1	0	0	0	—	1	2
48,50	1	1	0	0	—	0	1	2
48,52	1	1	0	—	0	0	1	2
7,23	0	—	0	1	1	1	1	3
7,39	—	0	0	1	1	1	1	3
19,23	0	1	0	—	1	1	1	3
19,51	—	1	0	0	1	1	1	3
21,23	0	1	0	1	—	1	1	3
21,53	—	1	0	1	0	1	1	3
22,23	0	1	0	1	1	—	1	3
22,54	—	1	0	1	1	0	1	3
26,58	—	1	1	0	1	0	1	3
28,60	—	1	1	1	0	0	1	3
35,39	1	0	0	—	1	1	1	3
35,43	1	0	—	0	1	1	1	3
35,51	1	—	0	0	1	1	1	3
37,39	1	0	0	1	—	1	1	3
37,53	1	—	0	1	0	1	1	3
38,39	1	0	0	1	1	—	1	3
38,54	1	—	0	1	1	0	1	3
44,60	1	—	1	1	0	0	1	3
49,51	1	1	0	0	—	1	1	3
49,53	1	1	0	—	0	1	1	3
50,51	1	1	0	0	1	—	1	3
50,54	1	1	0	—	1	0	1	3
50,58	1	1	—	0	1	0	1	3
52,53	1	1	0	1	0	—	1	3
52,54	1	1	0	1	—	0	1	3
52,60	1	1	—	1	0	0	1	3
23,55	—	1	0	1	1	1	1	4
39,55	1	—	0	1	1	1	1	4
43,59	1	—	1	0	1	1	1	4
51,55	1	1	0	—	1	1	1	4
51,59	1	1	—	0	1	1	1	4
53,55	1	1	0	1	—	1	1	4
53,61	1	1	—	1	0	1	1	4
54,55	1	1	0	1	1	—	1	4
58,59	1	1	1	0	1	—	1	4
60,61	1	1	1	1	0	—	1	4

A1K İÇİN 2. SEVİYE

No	X3	X2	X1	A	B	C	A1K	Gruplar
0,1,2,3	0	0	0	0	—	—	1	0
0,1,4,5	0	0	0	—	0	—	1	0
0,1,16,17	0	—	0	0	0	—	1	0
0,1,32,33	—	0	0	0	0	—	1	0
0,2,4,6	0	0	0	—	—	0	1	0
0,2,16,18	0	—	0	0	—	0	1	0
0,2,32,34	—	0	0	0	—	0	1	0
0,4,16,20	0	—	0	—	0	0	1	0
0,4,32,36	—	0	0	—	0	0	1	0
0,16,32,48	—	—	0	0	0	0	1	0
1,3,5,7	0	0	0	—	—	1	1	1
1,3,17,19	0	—	0	0	—	1	1	1
1,3,33,35	—	0	0	0	—	1	1	1
1,5,17,21	0	—	0	—	0	1	1	1
1,5,33,37	—	0	0	—	0	1	1	1
1,17,33,49	—	—	0	0	0	1	1	1
2,3,6,7	0	0	0	—	1	—	1	1
2,3,18,19	0	—	0	0	1	—	1	1
2,3,34,35	—	0	0	0	1	—	1	1
2,6,18,22	0	—	0	—	1	0	1	1
2,6,34,38	—	0	0	—	1	0	1	1
2,18,34,50	—	—	0	0	1	0	1	1
4,5,6,7	0	0	0	1	—	—	1	1
4,5,20,21	0	—	0	1	0	—	1	1
4,5,36,37	—	0	0	1	0	—	1	1
4,6,20,22	0	—	0	1	—	0	1	1
4,6,36,38	—	0	0	1	—	0	1	1
4,20,36,52	—	—	0	1	0	0	1	1
16,17,18,19	0	1	0	0	—	—	1	1
16,17,20,21	0	1	0	—	0	—	1	1
16,17,48,49	—	1	0	0	0	—	1	1
16,18,20,22	0	1	0	—	—	0	1	1
16,18,48,50	—	1	0	0	—	0	1	1
16,20,48,52	—	1	0	—	0	0	1	1
32,33,34,35	1	0	0	0	—	—	1	1
32,33,36,37	1	0	0	—	0	—	1	1
32,33,48,49	1	—	0	0	0	—	1	1
32,34,36,38	1	0	0	—	—	0	1	1
32,34,48,50	1	—	0	0	—	0	1	1
32,36,48,52	1	—	0	—	0	0	1	1
3,7,19,23	0	—	0	—	1	1	1	2
3,7,35,39	—	0	0	—	1	1	1	2
3,19,35,51	—	—	0	0	1	1	1	2
5,7,21,23	0	—	0	1	—	1	1	2
5,7,37,39	—	0	0	1	—	1	1	2

5,21,37,53	—	—	0	1	0	1	1	2
6,7,22,23	0	—	0	1	1	—	1	2
6,7,38,39	—	0	0	1	1	—	1	2
6,22,38,54	—	—	0	1	1	0	1	2
17,19,21,23	0	1	0	—	—	1	1	2
17,19,49,51	—	1	0	0	—	1	1	2
17,21,49,53	—	1	0	—	0	1	1	2
18,19,22,23	0	1	0	—	1	—	1	2
18,19,50,51	—	1	0	0	1	—	1	2
18,22,50,54	—	1	0	—	1	0	1	2
18,26,50,58	—	1	—	0	1	0	1	2
20,21,22,23	0	1	0	1	—	—	1	2
20,21,52,53	—	1	0	1	0	—	1	2
20,22,52,54	—	1	0	1	—	0	1	2
20,28,52,60	—	1	—	1	0	0	1	2
33,35,37,39	1	0	0	—	—	1	1	2
33,35,49,51	1	—	0	0	—	1	1	2
33,37,49,53	1	—	0	—	0	1	1	2
34,35,38,39	1	0	0	—	1	—	1	2
34,35,50,51	1	—	0	0	1	—	1	2
34,38,50,54	1	—	0	—	1	0	1	2
36,37,38,39	1	0	0	1	—	—	1	2
36,37,52,53	1	—	0	1	0	—	1	2
36,38,52,54	1	—	0	1	—	0	1	2
36,44,52,60	1	—	—	1	0	0	1	2
48,49,50,51	1	1	0	0	—	—	1	2
48,49,52,53	1	1	0	—	0	—	1	2
48,50,52,54	1	1	0	—	—	0	1	2
7,23,39,55	—	—	0	1	1	1	1	3
19,23,51,55	—	1	0	—	1	1	1	3
21,23,53,55	—	1	0	1	—	1	1	3
22,23,54,55	—	1	0	1	1	—	1	3
35,39,51,55	1	—	0	—	1	1	1	3
35,43,51,59	1	—	—	0	1	1	1	3
37,39,53,55	1	—	0	1	—	1	1	3
38,39,54,55	1	—	0	1	1	—	1	3
49,51,53,55	1	1	0	—	—	1	1	3
50,51,54,55	1	1	0	—	1	—	1	3
50,51,58,59	1	1	—	0	1	—	1	3
52,53,54,55	1	1	0	1	—	—	1	3
52,53,60,61	1	1	—	1	0	—	1	3

A1K İÇİN 3. SEVİYE

No	X3	X2	X1	A	B	C	A1K	Gruplar
0,1,2,3,4,5,6,7	0	0	0	—	—	—	1	0
0,1,2,3,16,17,18,19	0	—	0	0	—	—	1	0
0,1,2,3,32,33,34,35	—	0	0	0	—	—	1	0
0,1,4,5,16,17,20,21	0	—	0	—	0	—	1	0
0,1,4,5,32,33,36,37	—	0	0	—	0	—	1	0
0,1,16,17,32,33,48,49	—	—	0	0	0	—	1	0
0,2,4,6,16,18,20,22	0	—	0	—	—	0	1	0
0,2,4,6,32,34,36,38	—	0	0	—	—	0	1	0
0,2,16,18,32,34,48,50	—	—	0	0	—	0	1	0
0,4,16,20,32,36,48,52	—	—	0	—	0	0	1	0
1,3,5,7,17,19,21,23	0	—	0	—	—	1	1	1
1,3,5,7,33,35,37,39	—	0	0	—	—	1	1	1
1,3,17,19,33,35,49,51	—	—	0	0	—	1	1	1
1,5,17,21,33,37,49,53	—	—	0	—	0	1	1	1
2,3,6,7,18,19,22,23	0	—	0	—	1	—	1	1
2,3,6,7,34,35,38,39	—	0	0	—	1	—	1	1
2,3,18,19,34,35,50,51	—	—	0	0	1	—	1	1
2,6,18,22,34,38,50,54	—	—	0	—	1	0	1	1
4,5,6,7,20,21,22,23	0	—	0	1	—	—	1	1
4,5,6,7,36,37,38,39	—	0	0	1	—	—	1	1
4,5,20,21,36,37,52,53	—	—	0	1	0	—	1	1
4,6,20,22,36,38,52,54	—	—	0	1	—	0	1	1
16,17,18,19,20,21,22,23	0	1	0	—	—	—	1	1
16,17,18,19,48,49,50,51	—	1	0	0	—	—	1	1
16,17,20,21,48,49,52,53	—	1	0	—	0	—	1	1
16,18,20,22,48,50,52,54	—	1	0	—	—	0	1	1
32,33,34,35,36,37,38,39	1	0	0	—	—	—	1	1
32,33,34,35,48,49,50,51	1	—	0	0	—	—	1	1
32,33,36,37,48,49,52,53	1	—	0	—	0	—	1	1
32,34,36,38,48,50,52,54	1	—	0	—	—	0	1	1
3,7,19,23,35,39,51,55	—	—	0	—	1	1	1	2
5,7,21,23,37,39,53,55	—	—	0	1	—	1	1	2
6,7,22,23,38,39,54,55	—	—	0	1	1	—	1	2
17,19,21,23,49,51,53,55	—	1	0	—	—	1	1	2
18,19,22,23,50,51,54,55	—	1	0	—	1	—	1	2
20,21,22,23,52,53,54,55	—	1	0	1	—	—	1	2
33,35,37,39,49,51,53,55	1	—	0	—	—	1	1	2
34,35,38,39,50,51,54,55	1	—	0	—	1	—	1	2
36,37,38,39,52,53,54,55	1	—	0	1	—	—	1	2
48,49,50,51,52,53,54,55	1	1	0	—	—	—	1	2

A1K İÇİN 4. SEVİYE

No	X3	X2	X1	A	B	C	A1K	Gruplar
0,1,2,3,4,5,6,7,16,17,18,19,20,21,22,23	0	—	0	—	—	—	1	0
0,1,2,3,4,5,6,7,32,33,34,35,36,37,38,39	—	0	0	—	—	—	1	0
0,1,2,3,16,17,18,19,32,33,34,35,48,49,50,51	—	—	0	0	—	—	1	0
0,1,4,5,16,17,20,21,32,33,36,37,48,49,52,53	—	—	0	—	0	—	1	0
0,2,4,6,16,18,20,22,32,34,36,38,48,50,52,54	—	—	0	—	—	0	1	0
1,3,5,7,17,19,21,23,33,35,37,39,49,51,53,55	—	—	0	—	—	1	1	1
2,3,6,7,18,19,22,23,34,35,38,39,50,51,54,55	—	—	0	—	1	—	1	1
4,5,6,7,20,21,22,23,36,37,38,39,52,53,54,55	—	—	0	1	—	—	1	1
16,17,18,19,20,21,22,23,48,49,50,51,52,53,54,55	—	1	0	—	—	—	1	1
32,33,34,35,36,37,38,39,48,49,50,51,52,53,54,55	1	—	0	—	—	—	1	1

A1K İÇİN 5. SEVİYE

No	X3	X2	X1	A	B	C	A1K	Gruplar
0,1,2,3,4,5,6,7,16,17,18,19,20,21,22,23,32,33,34,35,36,37,38,39,48,49,50,51,52,53,54,55	—	—	0	—	—	—	1	0

A1K İÇİN FORMÜL

No	X3	X2	X1	A	B	C
28	0	1	1	1	0	0
0,1,2,3,4,5,6,7,16,17,18,19,20,21,22,23,32,33,34,35,36,37,38,39,48,49,50,51,52,53,54,55	—	—	0	—	—	—
26,58	—	1	1	0	1	0
43,59	1	—	1	0	1	1
44,6	1	—	1	1	0	0
61	1	1	1	1	0	1

$$!X3X2X1A!B!C + !X1 + X2X1!AB!C + X3X1!ABC + X3X1A!B!C + X3X2X1A!BC$$

A1S İÇİN 1. SEVİYE

No	X3	X2	X1	A	B	C	A1S	Gruplar
25,57	—	1	1	0	0	1	1	0
41,57	1	—	1	0	0	1	1	0

No	X3	X2	X1	A	B	C
25	0	1	1	0	0	1
41,57	1	—	1	0	0	1

$$!X3X2X1!A!BC + X3X1!A!BC$$

A1Y İÇİN 1. SEVİYE

No	X3	X2	X1	A	B	C	A1Y	Gruplar
8,9	0	0	1	0	0	—	1	0
8,10	0	0	1	0	—	0	1	0
8,12	0	0	1	—	0	0	1	0
8,24	0	—	1	0	0	0	1	0
8,40	—	0	1	0	0	0	1	0
9,11	0	0	1	0	—	1	1	1
9,13	0	0	1	—	0	1	1	1
10,11	0	0	1	0	1	—	1	1
10,14	0	0	1	—	1	0	1	1
10,42	—	0	1	0	1	0	1	1
12,13	0	0	1	1	0	—	1	1
12,14	0	0	1	1	—	0	1	1
24,56	—	1	1	0	0	0	1	1
40,42	1	0	1	0	—	0	1	1
40,56	1	—	1	0	0	0	1	1
11,15	0	0	1	—	1	1	1	2
11,27	0	—	1	0	1	1	1	2
13,15	0	0	1	1	—	1	1	2
13,29	0	—	1	1	0	1	1	2
13,45	—	0	1	1	0	1	1	2
14,15	0	0	1	1	1	—	1	2
14,30	0	—	1	1	1	0	1	2
14,46	—	0	1	1	1	0	1	2
42,46	1	0	1	—	1	0	1	2
15,31	0	—	1	1	1	1	1	3
15,47	—	0	1	1	1	1	1	3
27,31	0	1	1	—	1	1	1	3
29,31	0	1	1	1	—	1	1	3
30,31	0	1	1	1	1	—	1	3
30,62	—	1	1	1	1	0	1	3
45,47	1	0	1	1	—	1	1	3
46,47	1	0	1	1	1	—	1	3
46,62	1	—	1	1	1	0	1	3
31,63	—	1	1	1	1	1	1	4
47,63	1	—	1	1	1	1	1	4
62,63	1	1	1	1	1	—	1	4

A1Y İÇİN 2. SEVİYE

No	X3	X2	X1	A	B	C	A1Y	Gruplar
8,9,10,11	0	0	1	0	—	—	1	0
8,9,12,13	0	0	1	—	0	—	1	0
8,10,12,14	0	0	1	—	—	0	1	0
8,10,40,42	—	0	1	0	—	0	1	0
8,24,40,56	—	—	1	0	0	0	1	0
9,11,13,15	0	0	1	—	—	1	1	1
10,11,14,15	0	0	1	—	1	—	1	1
10,14,42,46	—	0	1	—	1	0	1	1
12,13,14,15	0	0	1	1	—	—	1	1
11,15,27,31	0	—	1	—	1	1	1	2
13,15,29,31	0	—	1	1	—	1	1	2
13,15,45,47	—	0	1	1	—	1	1	2
14,15,30,31	0	—	1	1	1	—	1	2
14,15,46,47	—	0	1	1	1	—	1	2
14,30,46,62	—	—	1	1	1	0	1	2
15,31,47,63	—	—	1	1	1	1	1	3
30,31,62,63	—	1	1	1	1	—	1	3
46,47,62,63	1	—	1	1	1	—	1	3

A1Y İÇİN 3. SEVİYE

No	X3	X2	X1	A	B	C	A1Y	Gruplar
8,9,10,11,12,13,14,15	0	0	1	—	—	—	1	0
14,15,30,31,46,47,62,63	—	—	1	1	1	—	1	2

A1Y İÇİN FORMÜL

No	X3	X2	X1	A	B	C
9	0	0	1	0	0	1
14,15,30,31,46,47,62,63	—	—	1	1	1	—
8,10,40,42	—	0	1	0	—	0
11,27	0	—	1	0	1	1
12,13	0	0	1	1	0	—
24,56	—	1	1	0	0	0
29	0	1	1	1	0	1
45	1	0	1	1	0	1

$$!X3!X2X1!A!BC + X1AB + !X2X1!A!C + !X3X1!ABC + !X3!X2X1A!B + X2X1!A!B!C + !X3X2X1A!BC + X3!X2X1A!BC$$

A2K İÇİN 1. SEVİYE

No	X3	X2	X1	A	B	C	A2K	Gruplar
0,1	0	0	0	0	0	_	1	0
0,2	0	0	0	0	_	0	1	0
0,4	0	0	0	_	0	0	1	0
0,8	0	0	_	0	0	0	1	0
0,32	_	0	0	0	0	0	1	0
1,3	0	0	0	0	_	1	1	1
1,5	0	0	0	_	0	1	1	1
1,9	0	0	_	0	0	1	1	1
1,33	_	0	0	0	0	1	1	1
2,3	0	0	0	0	1	_	1	1
2,6	0	0	0	_	1	0	1	1
2,10	0	0	_	0	1	0	1	1
2,34	_	0	0	0	1	0	1	1
4,5	0	0	0	1	0	_	1	1
4,6	0	0	0	1	_	0	1	1
4,12	0	0	_	1	0	0	1	1
4,36	_	0	0	1	0	0	1	1
8,9	0	0	1	0	0	_	1	1
8,10	0	0	1	0	_	0	1	1
8,12	0	0	1	_	0	0	1	1
8,24	0	_	1	0	0	0	1	1
8,40	_	0	1	0	0	0	1	1
32,33	1	0	0	0	0	_	1	1
32,34	1	0	0	0	_	0	1	1
32,36	1	0	0	_	0	0	1	1
32,40	1	0	_	0	0	0	1	1
3,7	0	0	0	_	1	1	1	2
3,11	0	0	_	0	1	1	1	2
3,35	_	0	0	0	1	1	1	2
5,7	0	0	0	1	_	1	1	2
5,13	0	0	_	1	0	1	1	2
5,37	_	0	0	1	0	1	1	2
6,7	0	0	0	1	1	_	1	2
6,14	0	0	_	1	1	0	1	2
6,38	_	0	0	1	1	0	1	2
9,11	0	0	1	0	_	1	1	2
9,13	0	0	1	_	0	1	1	2
9,25	0	_	1	0	0	1	1	2
9,41	_	0	1	0	0	1	1	2
10,11	0	0	1	0	1	_	1	2
10,14	0	0	1	_	1	0	1	2
10,42	_	0	1	0	1	0	1	2
12,13	0	0	1	1	0	_	1	2
12,14	0	0	1	1	_	0	1	2
12,44	_	0	1	1	0	0	1	2
24,25	0	1	1	0	0	_	1	2

24,56	_	1	1	0	0	0	1	2
33,35	1	0	0	0	_	1	1	2
33,37	1	0	0	_	0	1	1	2
33,41	1	0	_	0	0	1	1	2
34,35	1	0	0	0	1	_	1	2
34,38	1	0	0	_	1	0	1	2
34,42	1	0	_	0	1	0	1	2
36,37	1	0	0	1	0	_	1	2
36,38	1	0	0	1	_	0	1	2
36,44	1	0	_	1	0	0	1	2
40,41	1	0	1	0	0	_	1	2
40,42	1	0	1	0	_	0	1	2
40,44	1	0	1	_	0	0	1	2
40,56	1	_	1	0	0	0	1	2
7,15	0	0	_	1	1	1	1	3
7,39	_	0	0	1	1	1	1	3
11,15	0	0	1	_	1	1	1	3
11,27	0	_	1	0	1	1	1	3
11,43	_	0	1	0	1	1	1	3
13,15	0	0	1	1	_	1	1	3
13,29	0	_	1	1	0	1	1	3
13,45	_	0	1	1	0	1	1	3
14,15	0	0	1	1	1	_	1	3
14,30	0	_	1	1	1	0	1	3
14,46	_	0	1	1	1	0	1	3
25,27	0	1	1	0	_	1	1	3
25,29	0	1	1	_	0	1	1	3
25,57	_	1	1	0	0	1	1	3
35,39	1	0	0	_	1	1	1	3
35,43	1	0	_	0	1	1	1	3
35,51	1	_	0	0	1	1	1	3
37,39	1	0	0	1	_	1	1	3
37,45	1	0	_	1	0	1	1	3
37,53	1	_	0	1	0	1	1	3
38,39	1	0	0	1	1	_	1	3
38,46	1	0	_	1	1	0	1	3
41,43	1	0	1	0	_	1	1	3
41,45	1	0	1	_	0	1	1	3
41,57	1	_	1	0	0	1	1	3
42,43	1	0	1	0	1	_	1	3
42,46	1	0	1	_	1	0	1	3
44,45	1	0	1	1	0	_	1	3
44,46	1	0	1	1	_	0	1	3
56,57	1	1	1	0	0	_	1	3
15,31	0	_	1	1	1	1	1	4
15,47	_	0	1	1	1	1	1	4
27,31	0	1	1	_	1	1	1	4
27,59	_	1	1	0	1	1	1	4
29,31	0	1	1	1	_	1	1	4

29,61	_	1	1	1	0	1	1	4
30,31	0	1	1	1	1	_	1	4
30,62	_	1	1	1	1	0	1	4
39,47	1	0	_	1	1	1	1	4
43,47	1	0	1	_	1	1	1	4
43,59	1	_	1	0	1	1	1	4
45,47	1	0	1	1	_	1	1	4
45,61	1	_	1	1	0	1	1	4
46,47	1	0	1	1	1	_	1	4
46,62	1	_	1	1	1	0	1	4
51,59	1	1	_	0	1	1	1	4
53,61	1	1	_	1	0	1	1	4
57,59	1	1	1	0	_	1	1	4
57,61	1	1	1	_	0	1	1	4
31,63	_	1	1	1	1	1	1	5
47,63	1	_	1	1	1	1	1	5
59,63	1	1	1	_	1	1	1	5
61,63	1	1	1	1	_	1	1	5
62,63	1	1	1	1	1	_	1	5

A2K İÇİN 2. SEVİYE

No	X3	X2	X1	A	B	C	A2K	Gruplar
0,1,2,3	0	0	0	0	—	—	1	0
0,1,4,5	0	0	0	—	0	—	1	0
0,1,8,9	0	0	—	0	0	—	1	0
0,1,32,33	—	0	0	0	0	—	1	0
0,2,4,6	0	0	0	—	—	0	1	0
0,2,8,10	0	0	—	0	—	0	1	0
0,2,32,34	—	0	0	0	—	0	1	0
0,4,8,12	0	0	—	—	0	0	1	0
0,4,32,36	—	0	0	—	0	0	1	0
0,8,32,40	—	0	—	0	0	0	1	0
1,3,5,7	0	0	0	—	—	1	1	1
1,3,9,11	0	0	—	0	—	1	1	1
1,3,33,35	—	0	0	0	—	1	1	1
1,5,9,13	0	0	—	—	0	1	1	1
1,5,33,37	—	0	0	—	0	1	1	1
1,9,33,41	—	0	—	0	0	1	1	1
2,3,6,7	0	0	0	—	1	—	1	1
2,3,10,11	0	0	—	0	1	—	1	1
2,3,34,35	—	0	0	0	1	—	1	1
2,6,10,14	0	0	—	—	1	0	1	1
2,6,34,38	—	0	0	—	1	0	1	1
2,10,34,42	—	0	—	0	1	0	1	1
4,5,6,7	0	0	0	1	—	—	1	1
4,5,12,13	0	0	—	1	0	—	1	1
4,5,36,37	—	0	0	1	0	—	1	1
4,6,12,14	0	0	—	1	—	0	1	1
4,6,36,38	—	0	0	1	—	0	1	1
4,12,36,44	—	0	—	1	0	0	1	1
8,9,10,11	0	0	1	0	—	—	1	1
8,9,12,13	0	0	1	—	0	—	1	1
8,9,24,25	0	—	1	0	0	—	1	1
8,9,40,41	—	0	1	0	0	—	1	1
8,10,12,14	0	0	1	—	—	0	1	1
8,10,40,42	—	0	1	0	—	0	1	1
8,12,40,44	—	0	1	—	0	0	1	1
8,24,40,56	—	—	1	0	0	0	1	1
32,33,34,35	1	0	0	0	—	—	1	1
32,33,36,37	1	0	0	—	0	—	1	1
32,33,40,41	1	0	—	0	0	—	1	1
32,34,36,38	1	0	0	—	—	0	1	1
32,34,40,42	1	0	—	0	—	0	1	1
32,36,40,44	1	0	—	—	0	0	1	1
3,7,11,15	0	0	—	—	1	1	1	2
3,7,35,39	—	0	0	—	1	1	1	2
3,11,35,43	—	0	—	0	1	1	1	2
5,7,13,15	0	0	—	1	—	1	1	2

5,7,37,39	—	0	0	1	—	1	1	2
5,13,37,45	—	0	—	1	0	1	1	2
6,7,14,15	0	0	—	1	1	—	1	2
6,7,38,39	—	0	0	1	1	—	1	2
6,14,38,46	—	0	—	1	1	0	1	2
9,11,13,15	0	0	1	—	—	1	1	2
9,11,25,27	0	—	1	0	—	1	1	2
9,11,41,43	—	0	1	0	—	1	1	2
9,13,25,29	0	—	1	—	0	1	1	2
9,13,41,45	—	0	1	—	0	1	1	2
9,25,41,57	—	—	1	0	0	1	1	2
10,11,14,15	0	0	1	—	1	—	1	2
10,11,42,43	—	0	1	0	1	—	1	2
10,14,42,46	—	0	1	—	1	0	1	2
12,13,14,15	0	0	1	1	—	—	1	2
12,13,44,45	—	0	1	1	0	—	1	2
12,14,44,46	—	0	1	1	—	0	1	2
24,25,56,57	—	1	1	0	0	—	1	2
33,35,37,39	1	0	0	—	—	1	1	2
33,35,41,43	1	0	—	0	—	1	1	2
33,37,41,45	1	0	—	—	0	1	1	2
34,35,38,39	1	0	0	—	1	—	1	2
34,35,42,43	1	0	—	0	1	—	1	2
34,38,42,46	1	0	—	—	1	0	1	2
36,37,38,39	1	0	0	1	—	—	1	2
36,37,44,45	1	0	—	1	0	—	1	2
36,38,44,46	1	0	—	1	—	0	1	2
40,41,42,43	1	0	1	0	—	—	1	2
40,41,44,45	1	0	1	—	0	—	1	2
40,41,56,57	1	—	1	0	0	—	1	2
40,42,44,46	1	0	1	—	—	0	1	2
7,15,39,47	—	0	—	1	1	1	1	3
11,15,27,31	0	—	1	—	1	1	1	3
11,15,43,47	—	0	1	—	1	1	1	3
11,27,43,59	—	—	1	0	1	1	1	3
13,15,29,31	0	—	1	1	—	1	1	3
13,15,45,47	—	0	1	1	—	1	1	3
13,29,45,61	—	—	1	1	0	1	1	3
14,15,30,31	0	—	1	1	1	—	1	3
14,15,46,47	—	0	1	1	1	—	1	3
14,30,46,62	—	—	1	1	1	0	1	3
25,27,29,31	0	1	1	—	—	1	1	3
25,27,57,59	—	1	1	0	—	1	1	3
25,29,57,61	—	1	1	—	0	1	1	3
35,39,43,47	1	0	—	—	1	1	1	3
35,43,51,59	1	—	—	0	1	1	1	3
37,39,45,47	1	0	—	1	—	1	1	3
37,45,53,61	1	—	—	1	0	1	1	3
38,39,46,47	1	0	—	1	1	—	1	3

41,43,45,47	1	0	1	—	—	1	1	3
41,43,57,59	1	—	1	0	—	1	1	3
41,45,57,61	1	—	1	—	0	1	1	3
42,43,46,47	1	0	1	—	1	—	1	3
44,45,46,47	1	0	1	1	—	—	1	3
15,31,47,63	—	—	1	1	1	1	1	4
27,31,59,63	—	1	1	—	1	1	1	4
29,31,61,63	—	1	1	1	—	1	1	4
30,31,62,63	—	1	1	1	1	—	1	4
43,47,59,63	1	—	1	—	1	1	1	4
45,47,61,63	1	—	1	1	—	1	1	4
46,47,62,63	1	—	1	1	1	—	1	4
57,59,61,63	1	1	1	—	—	1	1	4

A2K İÇİN 3. SEVİYE

No	X3	X2	X1	A	B	C	A2K	Gruplar
0,1,2,3,4,5,6,7	0	0	0	—	—	—	1	0
0,1,2,3,8,9,10,11	0	0	—	0	—	—	1	0
0,1,2,3,32,33,34,35	—	0	0	0	—	—	1	0
0,1,4,5,8,9,12,13	0	0	—	—	0	—	1	0
0,1,4,5,32,33,36,37	—	0	0	—	0	—	1	0
0,1,8,9,32,33,40,41	—	0	—	0	0	—	1	0
0,2,4,6,8,10,12,14	0	0	—	—	—	0	1	0
0,2,4,6,32,34,36,38	—	0	0	—	—	0	1	0
0,2,8,10,32,34,40,42	—	0	—	0	—	0	1	0
0,4,8,12,32,36,40,44	—	0	—	—	0	0	1	0
1,3,5,7,9,11,13,15	0	0	—	—	—	1	1	1
1,3,5,7,33,35,37,39	—	0	0	—	—	1	1	1
1,3,9,11,33,35,41,43	—	0	—	0	—	1	1	1
1,5,9,13,33,37,41,45	—	0	—	—	0	1	1	1
2,3,6,7,10,11,14,15	0	0	—	—	1	—	1	1
2,3,6,7,34,35,38,39	—	0	0	—	1	—	1	1
2,3,10,11,34,35,42,43	—	0	—	0	1	—	1	1
2,6,10,14,34,38,42,46	—	0	—	—	1	0	1	1
4,5,6,7,12,13,14,15	0	0	—	1	—	—	1	1
4,5,6,7,36,37,38,39	—	0	0	1	—	—	1	1
4,5,12,13,36,37,44,45	—	0	—	1	0	—	1	1
4,6,12,14,36,38,44,46	—	0	—	1	—	0	1	1
8,9,10,11,12,13,14,15	0	0	1	—	—	—	1	1
8,9,10,11,40,41,42,43	—	0	1	0	—	—	1	1
8,9,12,13,40,41,44,45	—	0	1	—	0	—	1	1
8,9,24,25,40,41,56,57	—	—	1	0	0	—	1	1
8,10,12,14,40,42,44,46	—	0	1	—	—	0	1	1
32,33,34,35,36,37,38,39	1	0	0	—	—	—	1	1
32,33,34,35,40,41,42,43	1	0	—	0	—	—	1	1
32,33,36,37,40,41,44,45	1	0	—	—	0	—	1	1
32,34,36,38,40,42,44,46	1	0	—	—	—	0	1	1
3,7,11,15,35,39,43,47	—	0	—	—	1	1	1	2
5,7,13,15,37,39,45,47	—	0	—	1	—	1	1	2
6,7,14,15,38,39,46,47	—	0	—	1	1	—	1	2
9,11,13,15,25,27,29,31	0	—	1	—	—	1	1	2
9,11,13,15,41,43,45,47	—	0	1	—	—	1	1	2
9,11,25,27,41,43,57,59	—	—	1	0	—	1	1	2
9,13,25,29,41,45,57,61	—	—	1	—	0	1	1	2
10,11,14,15,42,43,46,47	—	0	1	—	1	—	1	2
12,13,14,15,44,45,46,47	—	0	1	1	—	—	1	2
33,35,37,39,41,43,45,47	1	0	—	—	—	1	1	2
34,35,38,39,42,43,46,47	1	0	—	—	1	—	1	2
36,37,38,39,44,45,46,47	1	0	—	1	—	—	1	2
40,41,42,43,44,45,46,47	1	0	1	—	—	—	1	2
11,15,27,31,43,47,59,63	—	—	1	—	1	1	1	3
13,15,29,31,45,47,61,63	—	—	1	1	—	1	1	3

14,15,30,31,46,47,62,63	_	_	1	1	1	_	1	3
25,27,29,31,57,59,61,63	_	1	1	_	_	1	1	3
41,43,45,47,57,59,61,63	1	_	1	_	_	1	1	3

A2K İÇİN 4. SEVİYE

No	X3	X2	X1	A	B	C	A2K	Gruplar
0,1,2,3,4,5,6,7,8,9,10,11,12,13,14,15	0	0	—	—	—	—	1	0
0,1,2,3,4,5,6,7,32,33,34,35,36,37,38,39	—	0	0	—	—	—	1	0
0,1,2,3,8,9,10,11,32,33,34,35,40,41,42,43	—	0	—	0	—	—	1	0
0,1,4,5,8,9,12,13,32,33,36,37,40,41,44,45	—	0	—	—	0	—	1	0
0,2,4,6,8,10,12,14,32,34,36,38,40,42,44,46	—	0	—	—	—	0	1	0
1,3,5,7,9,11,13,15,33,35,37,39,41,43,45,47	—	0	—	—	—	1	1	1
2,3,6,7,10,11,14,15,34,35,38,39,42,43,46,47	—	0	—	—	1	—	1	1
4,5,6,7,12,13,14,15,36,37,38,39,44,45,46,47	—	0	—	1	—	—	1	1
8,9,10,11,12,13,14,15,40,41,42,43,44,45,46,47	—	0	1	—	—	—	1	1
32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47	1	0	—	—	—	—	1	1
9,11,13,15,25,27,29,31,41,43,45,47,57,59,61,63	—	—	1	—	—	1	1	2

A2K İÇİN 5. SEVİYE

No	X3	X2	X1	A	B	C	A2K	Gruplar
0,1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47	—	0	—	—	—	—	1	0

A2K İÇİN FORMÜL

No	X3	X2	X1	A	B	C
51	1	1	0	0	1	1
0,1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47	—	0	—	—	—	—
25,27,29,31,57,59,61,63	—	1	1	—	—	1
24,56	—	1	1	0	0	0
30,62	—	1	1	1	1	0
53	1	1	0	1	0	1

$$X3X2!X1!ABC + !X2 + X2X1C + X2X1!A!B!C + X2X1AB!C + X3X2!X1A!BC$$

A2S İÇİN 1. SEVİYE

No	X3	X2	X1	A	B	C	A2S	Gruplar
26,58	—	1	1	0	1	0	1	0
50,58	1	1	—	0	1	0	1	0

A2S İÇİN FORMÜL

No	X3	X2	X1	A	B	C
26	0	1	1	0	1	0
50,58	1	1	—	0	1	0

$$!X3X2X1!AB!C + X3X2!AB!C$$

A2Y İÇİN 1. SEVİYE

No	X3	X2	X1	A	B	C	A2Y	Gruplar
16,17	0	1	0	0	0	_	1	0
16,18	0	1	0	0	_	0	1	0
16,20	0	1	0	_	0	0	1	0
16,48	_	1	0	0	0	0	1	0
17,19	0	1	0	0	_	1	1	1
17,21	0	1	0	_	0	1	1	1
17,49	_	1	0	0	0	1	1	1
18,19	0	1	0	0	1	_	1	1
18,22	0	1	0	_	1	0	1	1
20,21	0	1	0	1	0	_	1	1
20,22	0	1	0	1	_	0	1	1
20,28	0	1	_	1	0	0	1	1
20,52	_	1	0	1	0	0	1	1
48,49	1	1	0	0	0	_	1	1
48,52	1	1	0	_	0	0	1	1
19,23	0	1	0	_	1	1	1	2
21,23	0	1	0	1	_	1	1	2
22,23	0	1	0	1	1	_	1	2
22,54	_	1	0	1	1	0	1	2
28,60	_	1	1	1	0	0	1	2
52,54	1	1	0	1	_	0	1	2
52,60	1	1	_	1	0	0	1	2
23,55	_	1	0	1	1	1	1	3
54,55	1	1	0	1	1	_	1	3

A2Y İÇİN 2. SEVİYE

No	X3	X2	X1	A	B	C	A2Y	Gruplar
16,17,18,19	0	1	0	0	—	—	1	0
16,17,20,21	0	1	0	—	0	—	1	0
16,17,48,49	—	1	0	0	0	—	1	0
16,18,20,22	0	1	0	—	—	0	1	0
16,20,48,52	—	1	0	—	0	0	1	0
17,19,21,23	0	1	0	—	—	1	1	1
18,19,22,23	0	1	0	—	1	—	1	1
20,21,22,23	0	1	0	1	—	—	1	1
20,22,52,54	—	1	0	1	—	0	1	1
20,28,52,60	—	1	—	1	0	0	1	1
22,23,54,55	—	1	0	1	1	—	1	2

A2Y İÇİN 3. SEVİYE

No	X3	X2	X1	A	B	C	A2Y	Gruplar
16,17,18,19,20,21,22,23	0	1	0	—	—	—	1	0

A2Y İÇİN FORMÜL

No	X3	X2	X1	A	B	C
20,28,52,60	—	1	—	1	0	0
16,17,18,19,20,21,22,23	0	1	0	—	—	—
48,49	1	1	0	0	0	—
54,55	1	1	0	1	1	—

$$X2A!B!C + !X3X2!X1 + X3X2!X1!A!B + X3X2!X1AB$$

A3K İÇİN 1. SEVİYE

No	X3	X2	X1	A	B	C	A3K	Gruplar
0,1	0	0	0	0	0	—	1	0
0,2	0	0	0	0	—	0	1	0
0,4	0	0	0	—	0	0	1	0
0,8	0	0	—	0	0	0	1	0
0,16	0	—	0	0	0	0	1	0
1,3	0	0	0	0	—	1	1	1
1,5	0	0	0	—	0	1	1	1
1,9	0	0	—	0	0	1	1	1
1,17	0	—	0	0	0	1	1	1
2,3	0	0	0	0	1	—	1	1
2,6	0	0	0	—	1	0	1	1
2,10	0	0	—	0	1	0	1	1
2,18	0	—	0	0	1	0	1	1
4,5	0	0	0	1	0	—	1	1
4,6	0	0	0	1	—	0	1	1
4,12	0	0	—	1	0	0	1	1
4,20	0	—	0	1	0	0	1	1
8,9	0	0	1	0	0	—	1	1
8,10	0	0	1	0	—	0	1	1
8,12	0	0	1	—	0	0	1	1
8,24	0	—	1	0	0	0	1	1
8,40	—	0	1	0	0	0	1	1
16,17	0	1	0	0	0	—	1	1
16,18	0	1	0	0	—	0	1	1
16,20	0	1	0	—	0	0	1	1
16,24	0	1	—	0	0	0	1	1
16,48	—	1	0	0	0	0	1	1
3,7	0	0	0	—	1	1	1	2
3,11	0	0	—	0	1	1	1	2
3,19	0	—	0	0	1	1	1	2
5,7	0	0	0	1	—	1	1	2
5,13	0	0	—	1	0	1	1	2
5,21	0	—	0	1	0	1	1	2
6,7	0	0	0	1	1	—	1	2
6,14	0	0	—	1	1	0	1	2
6,22	0	—	0	1	1	0	1	2
9,11	0	0	1	0	—	1	1	2
9,13	0	0	1	—	0	1	1	2
9,25	0	—	1	0	0	1	1	2
9,41	—	0	1	0	0	1	1	2
10,11	0	0	1	0	1	—	1	2
10,14	0	0	1	—	1	0	1	2
10,26	0	—	1	0	1	0	1	2
10,42	—	0	1	0	1	0	1	2
12,13	0	0	1	1	0	—	1	2
12,14	0	0	1	1	—	0	1	2

12,28	0	_	1	1	0	0	1	2
17,19	0	1	0	0	_	1	1	2
17,21	0	1	0	_	0	1	1	2
17,25	0	1	_	0	0	1	1	2
17,49	_	1	0	0	0	1	1	2
18,19	0	1	0	0	1	_	1	2
18,22	0	1	0	_	1	0	1	2
18,26	0	1	_	0	1	0	1	2
18,50	_	1	0	0	1	0	1	2
20,21	0	1	0	1	0	_	1	2
20,22	0	1	0	1	_	0	1	2
20,28	0	1	_	1	0	0	1	2
20,52	_	1	0	1	0	0	1	2
24,25	0	1	1	0	0	_	1	2
24,26	0	1	1	0	_	0	1	2
24,28	0	1	1	_	0	0	1	2
24,56	_	1	1	0	0	0	1	2
40,41	1	0	1	0	0	_	1	2
40,42	1	0	1	0	_	0	1	2
40,56	1	_	1	0	0	0	1	2
48,49	1	1	0	0	0	_	1	2
48,50	1	1	0	0	_	0	1	2
48,52	1	1	0	_	0	0	1	2
48,56	1	1	_	0	0	0	1	2
7,15	0	0	_	1	1	1	1	3
7,23	0	_	0	1	1	1	1	3
11,15	0	0	1	_	1	1	1	3
11,27	0	_	1	0	1	1	1	3
13,15	0	0	1	1	_	1	1	3
13,29	0	_	1	1	0	1	1	3
13,45	_	0	1	1	0	1	1	3
14,15	0	0	1	1	1	_	1	3
14,30	0	_	1	1	1	0	1	3
14,46	_	0	1	1	1	0	1	3
19,23	0	1	0	_	1	1	1	3
19,27	0	1	_	0	1	1	1	3
21,23	0	1	0	1	_	1	1	3
21,29	0	1	_	1	0	1	1	3
22,23	0	1	0	1	1	_	1	3
22,30	0	1	_	1	1	0	1	3
22,54	_	1	0	1	1	0	1	3
25,27	0	1	1	0	_	1	1	3
25,29	0	1	1	_	0	1	1	3
25,57	_	1	1	0	0	1	1	3
26,27	0	1	1	0	1	_	1	3
26,30	0	1	1	_	1	0	1	3
26,58	_	1	1	0	1	0	1	3
28,29	0	1	1	1	0	_	1	3
28,30	0	1	1	1	_	0	1	3

28,60	_	1	1	1	0	0	1	3
41,45	1	0	1	_	0	1	1	3
41,57	1	_	1	0	0	1	1	3
42,46	1	0	1	_	1	0	1	3
42,58	1	_	1	0	1	0	1	3
49,57	1	1	_	0	0	1	1	3
50,54	1	1	0	_	1	0	1	3
50,58	1	1	_	0	1	0	1	3
52,54	1	1	0	1	_	0	1	3
52,60	1	1	_	1	0	0	1	3
56,57	1	1	1	0	0	_	1	3
56,58	1	1	1	0	_	0	1	3
56,60	1	1	1	_	0	0	1	3
15,31	0	_	1	1	1	1	1	4
15,47	_	0	1	1	1	1	1	4
23,31	0	1	_	1	1	1	1	4
23,55	_	1	0	1	1	1	1	4
27,31	0	1	1	_	1	1	1	4
29,31	0	1	1	1	_	1	1	4
30,31	0	1	1	1	1	_	1	4
30,62	_	1	1	1	1	0	1	4
45,47	1	0	1	1	_	1	1	4
46,47	1	0	1	1	1	_	1	4
46,62	1	_	1	1	1	0	1	4
54,55	1	1	0	1	1	_	1	4
54,62	1	1	_	1	1	0	1	4
58,62	1	1	1	_	1	0	1	4
60,62	1	1	1	1	_	0	1	4
31,63	_	1	1	1	1	1	1	5
47,63	1	_	1	1	1	1	1	5
55,63	1	1	_	1	1	1	1	5
62,63	1	1	1	1	1	_	1	5

A3K İÇİN 2. SEVİYE

No	X3	X2	X1	A	B	C	A3K	Gruplar
0,1,2,3	0	0	0	0	—	—	1	0
0,1,4,5	0	0	0	—	0	—	1	0
0,1,8,9	0	0	—	0	0	—	1	0
0,1,16,17	0	—	0	0	0	—	1	0
0,2,4,6	0	0	0	—	—	0	1	0
0,2,8,10	0	0	—	0	—	0	1	0
0,2,16,18	0	—	0	0	—	0	1	0
0,4,8,12	0	0	—	—	0	0	1	0
0,4,16,20	0	—	0	—	0	0	1	0
0,8,16,24	0	—	—	0	0	0	1	0
1,3,5,7	0	0	0	—	—	1	1	1
1,3,9,11	0	0	—	0	—	1	1	1
1,3,17,19	0	—	0	0	—	1	1	1
1,5,9,13	0	0	—	—	0	1	1	1
1,5,17,21	0	—	0	—	0	1	1	1
1,9,17,25	0	—	—	0	0	1	1	1
2,3,6,7	0	0	0	—	1	—	1	1
2,3,10,11	0	0	—	0	1	—	1	1
2,3,18,19	0	—	0	0	1	—	1	1
2,6,10,14	0	0	—	—	1	0	1	1
2,6,18,22	0	—	0	—	1	0	1	1
2,10,18,26	0	—	—	0	1	0	1	1
4,5,6,7	0	0	0	1	—	—	1	1
4,5,12,13	0	0	—	1	0	—	1	1
4,5,20,21	0	—	0	1	0	—	1	1
4,6,12,14	0	0	—	1	—	0	1	1
4,6,20,22	0	—	0	1	—	0	1	1
4,12,20,28	0	—	—	1	0	0	1	1
8,9,10,11	0	0	1	0	—	—	1	1
8,9,12,13	0	0	1	—	0	—	1	1
8,9,24,25	0	—	1	0	0	—	1	1
8,9,40,41	—	0	1	0	0	—	1	1
8,10,12,14	0	0	1	—	—	0	1	1
8,10,24,26	0	—	1	0	—	0	1	1
8,10,40,42	—	0	1	0	—	0	1	1
8,12,24,28	0	—	1	—	0	0	1	1
8,24,40,56	—	—	1	0	0	0	1	1
16,17,18,19	0	1	0	0	—	—	1	1
16,17,20,21	0	1	0	—	0	—	1	1
16,17,24,25	0	1	—	0	0	—	1	1
16,17,48,49	—	1	0	0	0	—	1	1
16,18,20,22	0	1	0	—	—	0	1	1
16,18,24,26	0	1	—	0	—	0	1	1
16,18,48,50	—	1	0	0	—	0	1	1
16,20,24,28	0	1	—	—	0	0	1	1
16,20,48,52	—	1	0	—	0	0	1	1

16,24,48,56	—	1	—	0	0	0	1	1
3,7,11,15	0	0	—	—	1	1	1	2
3,7,19,23	0	—	0	—	1	1	1	2
3,11,19,27	0	—	—	0	1	1	1	2
5,7,13,15	0	0	—	1	—	1	1	2
5,7,21,23	0	—	0	1	—	1	1	2
5,13,21,29	0	—	—	1	0	1	1	2
6,7,14,15	0	0	—	1	1	—	1	2
6,7,22,23	0	—	0	1	1	—	1	2
6,14,22,30	0	—	—	1	1	0	1	2
9,11,13,15	0	0	1	—	—	1	1	2
9,11,25,27	0	—	1	0	—	1	1	2
9,13,25,29	0	—	1	—	0	1	1	2
9,13,41,45	—	0	1	—	0	1	1	2
9,25,41,57	—	—	1	0	0	1	1	2
10,11,14,15	0	0	1	—	1	—	1	2
10,11,26,27	0	—	1	0	1	—	1	2
10,14,26,30	0	—	1	—	1	0	1	2
10,14,42,46	—	0	1	—	1	0	1	2
10,26,42,58	—	—	1	0	1	0	1	2
12,13,14,15	0	0	1	1	—	—	1	2
12,13,28,29	0	—	1	1	0	—	1	2
12,14,28,30	0	—	1	1	—	0	1	2
17,19,21,23	0	1	0	—	—	1	1	2
17,19,25,27	0	1	—	0	—	1	1	2
17,21,25,29	0	1	—	—	0	1	1	2
17,25,49,57	—	1	—	0	0	1	1	2
18,19,22,23	0	1	0	—	1	—	1	2
18,19,26,27	0	1	—	0	1	—	1	2
18,22,26,30	0	1	—	—	1	0	1	2
18,22,50,54	—	1	0	—	1	0	1	2
18,26,50,58	—	1	—	0	1	0	1	2
20,21,22,23	0	1	0	1	—	—	1	2
20,21,28,29	0	1	—	1	0	—	1	2
20,22,28,30	0	1	—	1	—	0	1	2
20,22,52,54	—	1	0	1	—	0	1	2
20,28,52,60	—	1	—	1	0	0	1	2
24,25,26,27	0	1	1	0	—	—	1	2
24,25,28,29	0	1	1	—	0	—	1	2
24,25,56,57	—	1	1	0	0	—	1	2
24,26,28,30	0	1	1	—	—	0	1	2
24,26,56,58	—	1	1	0	—	0	1	2
24,28,56,60	—	1	1	—	0	0	1	2
40,41,56,57	1	—	1	0	0	—	1	2
40,42,56,58	1	—	1	0	—	0	1	2
48,49,56,57	1	1	—	0	0	—	1	2
48,50,52,54	1	1	0	—	—	0	1	2
48,50,56,58	1	1	—	0	—	0	1	2
48,52,56,60	1	1	—	—	0	0	1	2

7,15,23,31	0	—	—	1	1	1	1	3
11,15,27,31	0	—	1	—	1	1	1	3
13,15,29,31	0	—	1	1	—	1	1	3
13,15,45,47	—	0	1	1	—	1	1	3
14,15,30,31	0	—	1	1	1	—	1	3
14,15,46,47	—	0	1	1	1	—	1	3
14,30,46,62	—	—	1	1	1	0	1	3
19,23,27,31	0	1	—	—	1	1	1	3
21,23,29,31	0	1	—	1	—	1	1	3
22,23,30,31	0	1	—	1	1	—	1	3
22,23,54,55	—	1	0	1	1	—	1	3
22,30,54,62	—	1	—	1	1	0	1	3
25,27,29,31	0	1	1	—	—	1	1	3
26,27,30,31	0	1	1	—	1	—	1	3
26,30,58,62	—	1	1	—	1	0	1	3
28,29,30,31	0	1	1	1	—	—	1	3
28,30,60,62	—	1	1	1	—	0	1	3
42,46,58,62	1	—	1	—	1	0	1	3
50,54,58,62	1	1	—	—	1	0	1	3
52,54,60,62	1	1	—	1	—	0	1	3
56,58,60,62	1	1	1	—	—	0	1	3
15,31,47,63	—	—	1	1	1	1	1	4
23,31,55,63	—	1	—	1	1	1	1	4
30,31,62,63	—	1	1	1	1	—	1	4
46,47,62,63	1	—	1	1	1	—	1	4
54,55,62,63	1	1	—	1	1	—	1	4

A3K İÇİN 3. SEVİYE

No	X3	X2	X1	A	B	C	A3K	Gruplar
0,1,2,3,4,5,6,7	0	0	0	—	—	—	1	0
0,1,2,3,8,9,10,11	0	0	—	0	—	—	1	0
0,1,2,3,16,17,18,19	0	—	0	0	—	—	1	0
0,1,4,5,8,9,12,13	0	0	—	—	0	—	1	0
0,1,4,5,16,17,20,21	0	—	0	—	0	—	1	0
0,1,8,9,16,17,24,25	0	—	—	0	0	—	1	0
0,2,4,6,8,10,12,14	0	0	—	—	—	0	1	0
0,2,4,6,16,18,20,22	0	—	0	—	—	0	1	0
0,2,8,10,16,18,24,26	0	—	—	0	—	0	1	0
0,4,8,12,16,20,24,28	0	—	—	—	0	0	1	0
1,3,5,7,9,11,13,15	0	0	—	—	—	1	1	1
1,3,5,7,17,19,21,23	0	—	0	—	—	1	1	1
1,3,9,11,17,19,25,27	0	—	—	0	—	1	1	1
1,5,9,13,17,21,25,29	0	—	—	—	0	1	1	1
2,3,6,7,10,11,14,15	0	0	—	—	1	—	1	1
2,3,6,7,18,19,22,23	0	—	0	—	1	—	1	1
2,3,10,11,18,19,26,27	0	—	—	0	1	—	1	1
2,6,10,14,18,22,26,30	0	—	—	—	1	0	1	1
4,5,6,7,12,13,14,15	0	0	—	1	—	—	1	1
4,5,6,7,20,21,22,23	0	—	0	1	—	—	1	1
4,5,12,13,20,21,28,29	0	—	—	1	0	—	1	1
4,6,12,14,20,22,28,30	0	—	—	1	—	0	1	1
8,9,10,11,12,13,14,15	0	0	1	—	—	—	1	1
8,9,10,11,24,25,26,27	0	—	1	0	—	—	1	1
8,9,12,13,24,25,28,29	0	—	1	—	0	—	1	1
8,9,24,25,40,41,56,57	—	—	1	0	0	—	1	1
8,10,12,14,24,26,28,30	0	—	1	—	—	0	1	1
8,10,24,26,40,42,56,58	—	—	1	0	—	0	1	1
16,17,18,19,20,21,22,23	0	1	0	—	—	—	1	1
16,17,18,19,24,25,26,27	0	1	—	0	—	—	1	1
16,17,20,21,24,25,28,29	0	1	—	—	0	—	1	1
16,17,24,25,48,49,56,57	—	1	—	0	0	—	1	1
16,18,20,22,24,26,28,30	0	1	—	—	—	0	1	1
16,18,20,22,48,50,52,54	—	1	0	—	—	0	1	1
16,18,24,26,48,50,56,58	—	1	—	0	—	0	1	1
16,20,24,28,48,52,56,60	—	1	—	—	0	0	1	1
3,7,11,15,19,23,27,31	0	—	—	—	1	1	1	2
5,7,13,15,21,23,29,31	0	—	—	1	—	1	1	2
6,7,14,15,22,23,30,31	0	—	—	1	1	—	1	2
9,11,13,15,25,27,29,31	0	—	1	—	—	1	1	2
10,11,14,15,26,27,30,31	0	—	1	—	1	—	1	2
10,14,26,30,42,46,58,62	—	—	1	—	1	0	1	2
12,13,14,15,28,29,30,31	0	—	1	1	—	—	1	2
17,19,21,23,25,27,29,31	0	1	—	—	—	1	1	2
18,19,22,23,26,27,30,31	0	1	—	—	1	—	1	2
18,22,26,30,50,54,58,62	—	1	—	—	1	0	1	2

20,21,22,23,28,29,30,31	0	1	—	1	—	—	1	2
20,22,28,30,52,54,60,62	—	1	—	1	—	0	1	2
24,25,26,27,28,29,30,31	0	1	1	—	—	—	1	2
24,26,28,30,56,58,60,62	—	1	1	—	—	0	1	2
48,50,52,54,56,58,60,62	1	1	—	—	—	0	1	2
14,15,30,31,46,47,62,63	—	—	1	1	1	—	1	3
22,23,30,31,54,55,62,63	—	1	—	1	1	—	1	3

A3K İÇİN 4. SEVİYE

No	X3	X2	X1	A	B	C	A3K	Gruplar
0,1,2,3,4,5,6,7,8,9,10,11,12,13,14,15	0	0	—	—	—	—	1	0
0,1,2,3,4,5,6,7,16,17,18,19,20,21,22,23	0	—	0	—	—	—	1	0
0,1,2,3,8,9,10,11,16,17,18,19,24,25,26,27	0	—	—	0	—	—	1	0
0,1,4,5,8,9,12,13,16,17,20,21,24,25,28,29	0	—	—	—	0	—	1	0
0,2,4,6,8,10,12,14,16,18,20,22,24,26,28,30	0	—	—	—	—	0	1	0
1,3,5,7,9,11,13,15,17,19,21,23,25,27,29,31	0	—	—	—	—	1	1	1
2,3,6,7,10,11,14,15,18,19,22,23,26,27,30,31	0	—	—	—	1	—	1	1
4,5,6,7,12,13,14,15,20,21,22,23,28,29,30,31	0	—	—	1	—	—	1	1
8,9,10,11,12,13,14,15,24,25,26,27,28,29,30,31	0	—	1	—	—	—	1	1
16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31	0	1	—	—	—	—	1	1
16,18,20,22,24,26,28,30,48,50,52,54,56,58,60,62	—	1	—	—	—	0	1	1

A3K İÇİN 5. SEVİYE

No	X3	X2	X1	A	B	C	A3K	Gruplar
0,1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31	0	—	—	—	—	—	1	0

A3K İÇİN FORMÜL

No	X3	X2	X1	A	B	C
40,41	1	0	1	0	0	—
0,1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31	0	—	—	—	—	—
48,50,52,54,56,58,60,62	1	1	—	—	—	0
42,46	1	0	1	—	1	0
45,47	1	0	1	1	—	1
49,57	1	1	—	0	0	1
55,63	1	1	—	1	1	1

$$X3!X2X1!A!B + !X3 + X3X2!C + X3!X2X1B!C + X3!X2X1AC + X3X2!A!BC + X3X2ABC$$

A3S İÇİN 1. SEVİYE

No	X3	X2	X1	A	B	C	A3S	Gruplar
43,59	1	_	1	0	1	1	1	0
51,59	1	1	_	0	1	1	1	0

A3S İÇİN FORMÜL

No	X3	X2	X1	A	B	C
43	1	0	1	0	1	1
51,59	1	1	_	0	1	1

$$X3!X2X1!ABC + X3X2!ABC$$

A3Y İÇİN 1. SEVİYE

No	X3	X2	X1	A	B	C	A3Y	Gruplar
32,33	1	0	0	0	0	_	1	0
32,34	1	0	0	0	_	0	1	0
32,36	1	0	0	_	0	0	1	0
33,35	1	0	0	0	_	1	1	1
33,37	1	0	0	_	0	1	1	1
34,35	1	0	0	0	1	_	1	1
34,38	1	0	0	_	1	0	1	1
36,37	1	0	0	1	0	_	1	1
36,38	1	0	0	1	_	0	1	1
36,44	1	0	_	1	0	0	1	1
35,39	1	0	0	_	1	1	1	2
37,39	1	0	0	1	_	1	1	2
37,53	1	_	0	1	0	1	1	2
38,39	1	0	0	1	1	_	1	2
53,61	1	1	_	1	0	1	1	3

A3Y İÇİN 2. SEVİYE

No	X3	X2	X1	A	B	C	A3Y	Gruplar
32,33,34,35	1	0	0	0	—	—	1	0
32,33,36,37	1	0	0	—	0	—	1	0
32,34,36,38	1	0	0	—	—	0	1	0
33,35,37,39	1	0	0	—	—	1	1	1
34,35,38,39	1	0	0	—	1	—	1	1
36,37,38,39	1	0	0	1	—	—	1	1

A3Y İÇİN 3. SEVİYE

No	X3	X2	X1	A	B	C	A3Y	Gruplar
32,33,34,35,36,37,38,39	1	0	0	—	—	—	1	0

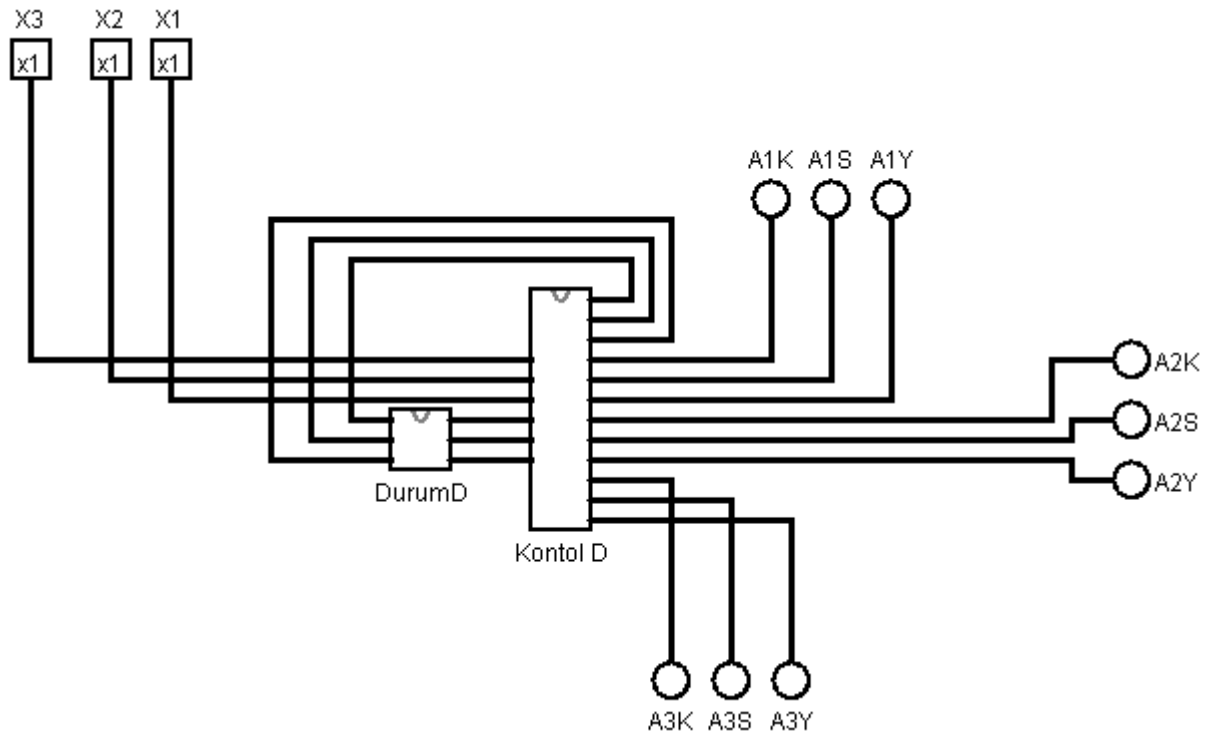
A3Y İÇİN FORMÜL.

No	X3	X2	X1	A	B	C
44	1	0	1	1	0	0
32,33,34,35,36,37,38,39	1	0	0	—	—	—
53,61	1	1	—	1	0	1

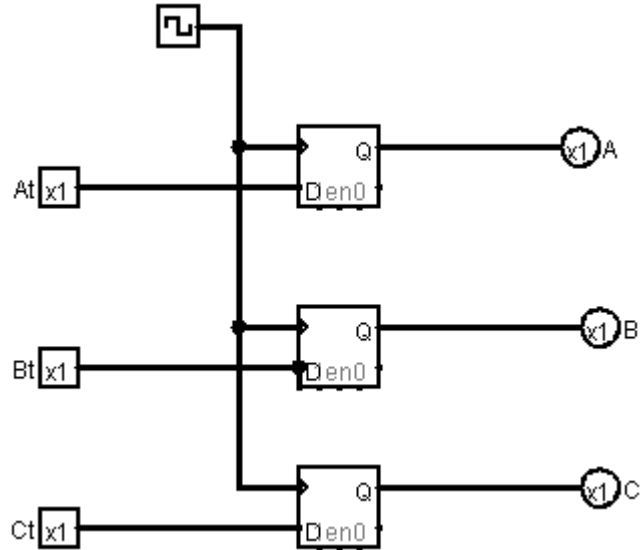
$$X3!X2X1A!B!C + X3!X2!X1 + X3X2A!BC$$

5. Devre Çizimi

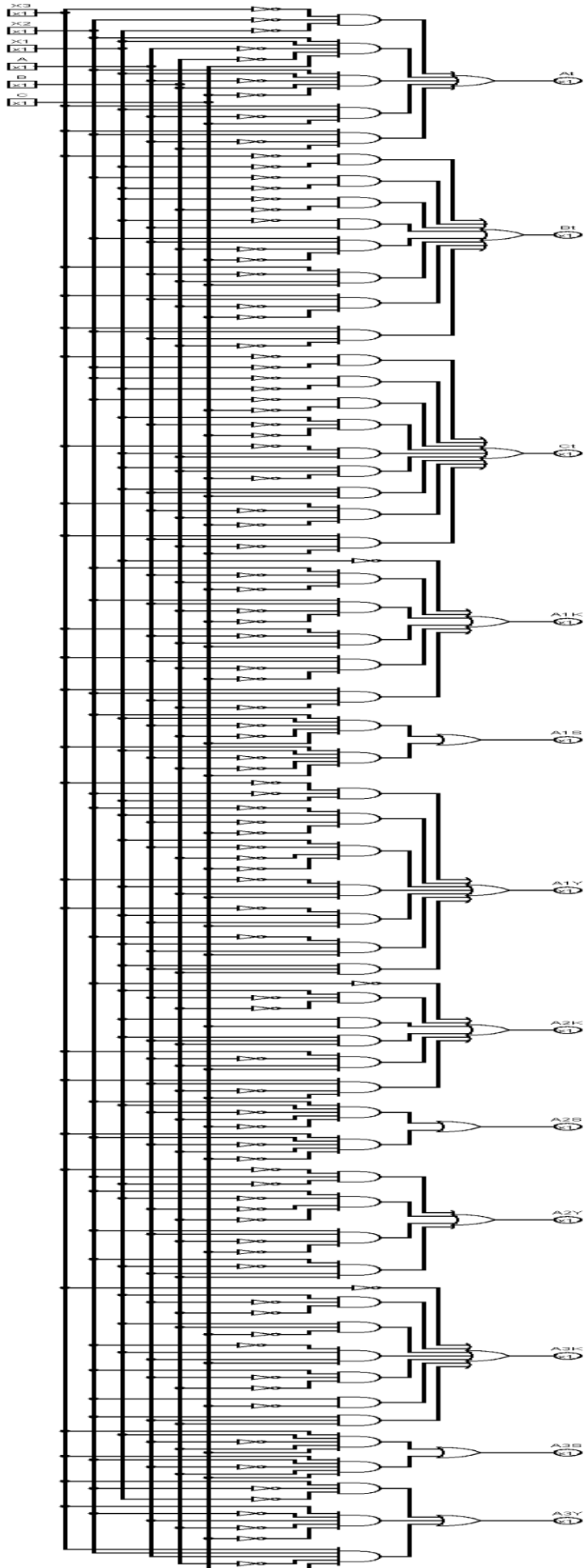
MAİN DEVRESİ



DURUM DEVRESİ



KONTROL DEVRESİ



6. Logisim simülasyon tasarımı

X3,X2 ve X1'in durumlarına göre ışıklar Yeşil, Sarı ve Kırmızı sırası ile yanmaktadır.
D flip flop kullanılmıştır. Flip flopları durum devresine ekledik.
Kontrol devresi, X3,X2,X1 ve Durum devresinden gelen sinyalleri ışıklara iletmektedir.

