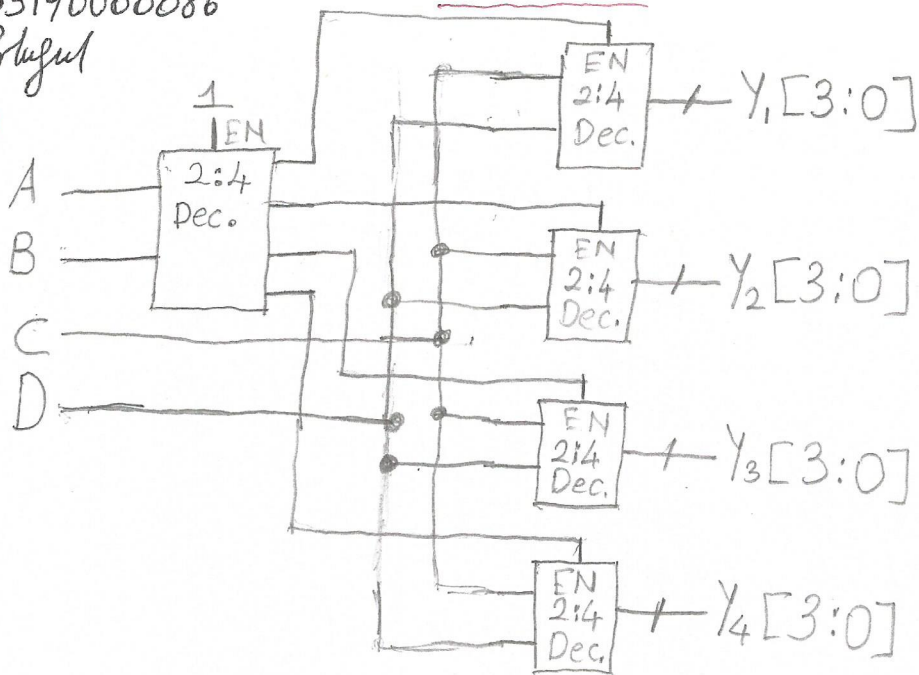
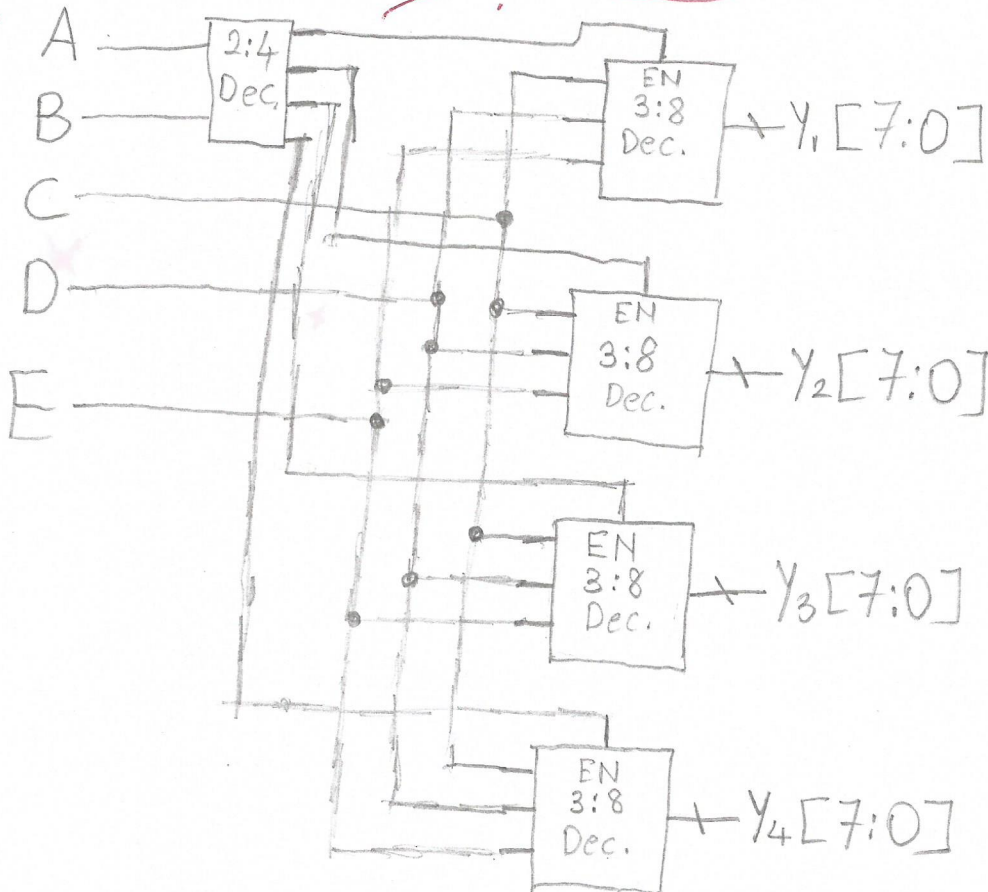


Ödev-07

①



②



İrtugül KANTAR
05190000086
İrtugül

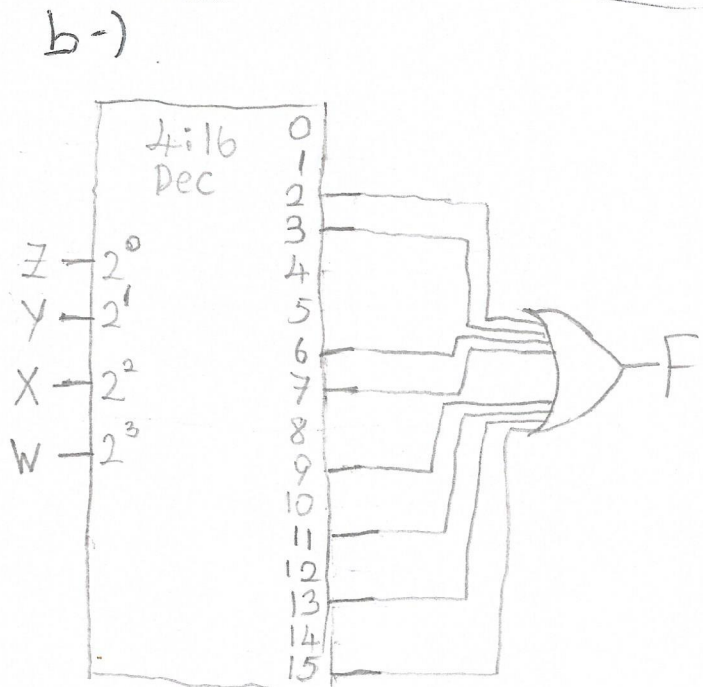
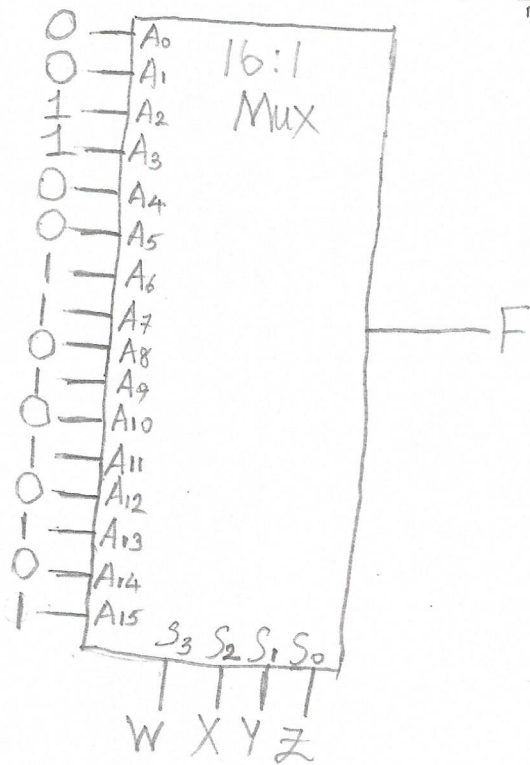
③

	X	Y	Z	Select (10 Taban)	A	B
0-	0	0	0	0	Z=0	0
1-	0	0	1	0	Z=1	0
2-	0	1	0	1	Z'=1	Z=0
3-	0	1	1	1	Z'=0	Z=1
4-	1	0	0	2	Z'=1	Z=0
5-	1	0	1	2	Z'=0	Z=1
6-	1	1	0	3	Z=0	1
7-	1	1	1	3	Z=1	1

$$A = \sum_m (1, 2, 4, 7)$$

$$B = \sum_m (3, 5, 6, 7)$$

④ (VI) a-) $F(W, X, Y, Z) = \sum_m (2, 3, 6, 7, 9, 11, 13, 15)$



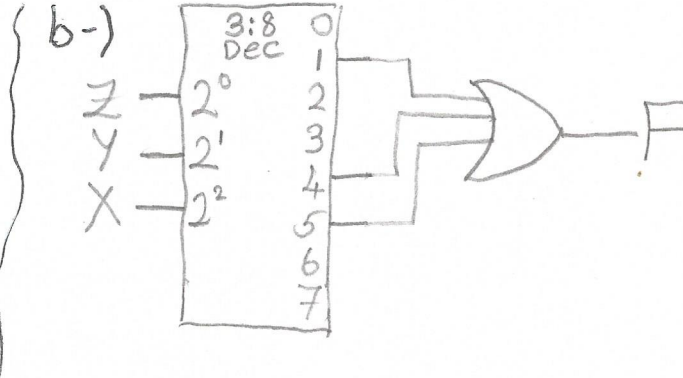
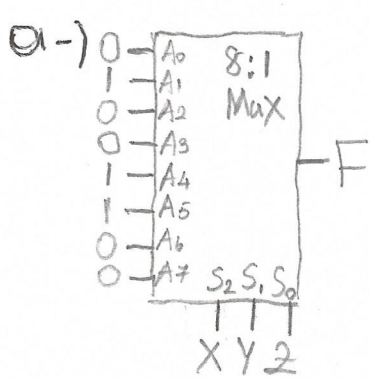
Ertağrul KANTAR

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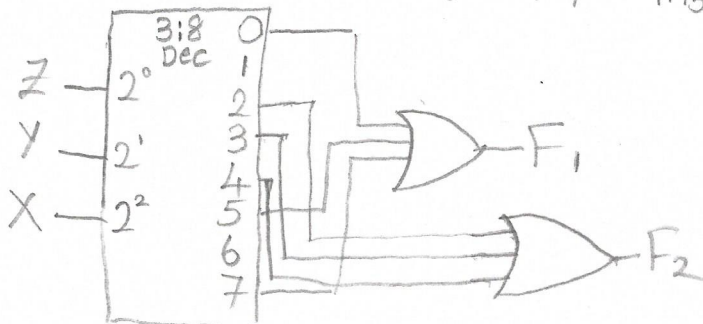
forkegal

(XII) $F(X,Y,Z) = XY' + X'Y'Z$

$$F = \underbrace{XY'Z}_{m_5} + \underbrace{XY'Z'}_{m_4} + \underbrace{X'Y'Z}_{m_1} \quad F = \sum_m (1, 4, 5)$$



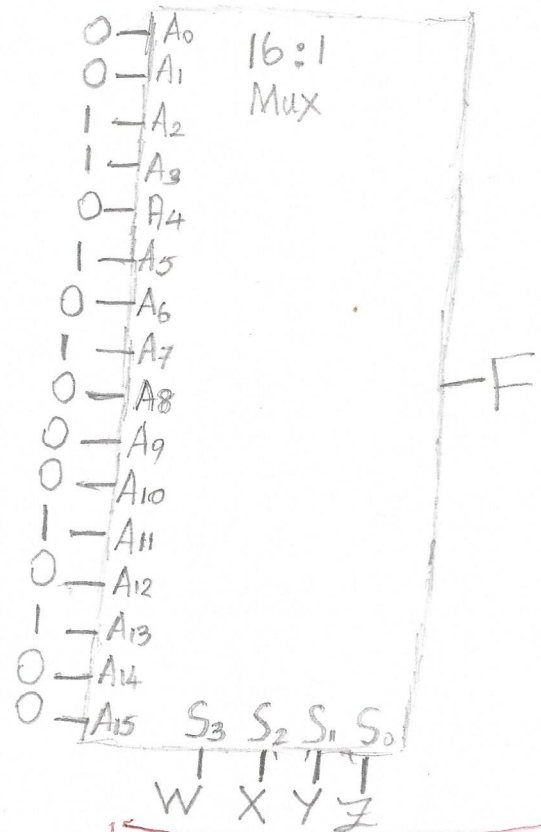
⑤ $F_1 = X'Y'Z' + XZ = \underbrace{X'Y'Z'}_{m_0} + \underbrace{XYZ}_{m_7} + \underbrace{XY'Z}_{m_5} \rightarrow F_1 = \sum_m (0, 5, 7)$



$$F_2 = XY'Z' + X'Y = \underbrace{XY'Z'}_{m_4} + \underbrace{X'YZ}_{m_3} + \underbrace{X'YZ'}_{m_2} \rightarrow F_2 = \sum_m (2, 3, 4)$$

6

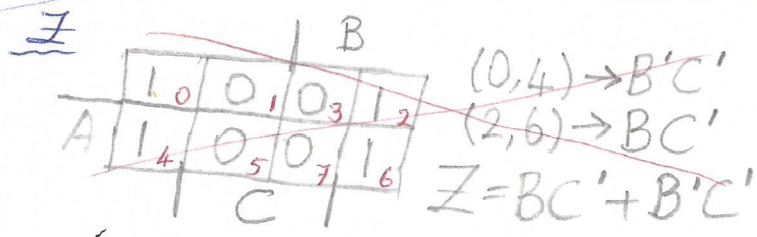
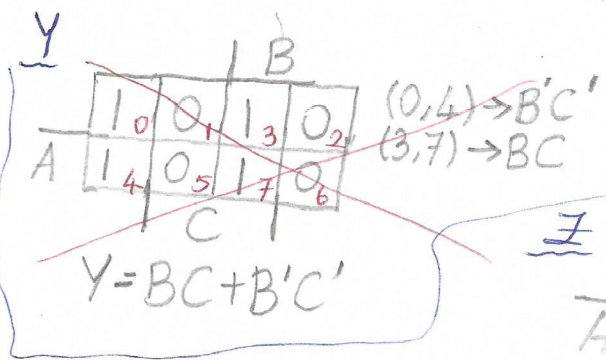
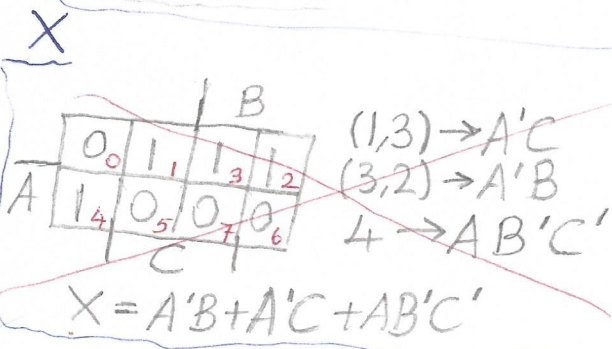
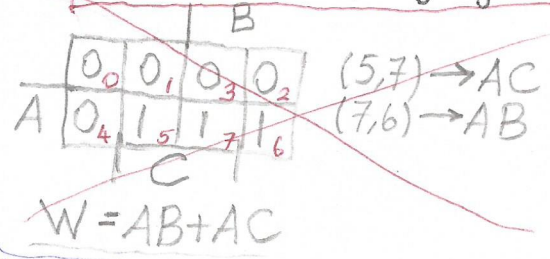
	W	X	Y	Z	Sayı (Toban 10)	F
0	0	0	0	0	0	0
1	0	0	0	1	1	0
2	0	0	1	0	2	1
3	0	0	1	1	3	1
4	0	1	0	0	4	0
5	0	1	0	1	5	0
6	0	1	1	0	6	0
7	0	1	1	1	7	0
8	1	0	0	0	8	0
9	1	0	0	1	9	0
10	1	0	1	0	10	0
11	1	0	1	1	11	0
12	1	1	0	0	12	1
13	1	1	0	1	13	0
14	1	1	1	0	14	0
15	1	1	1	1	15	0



7

	A	B	C	W	X	Y	Z
0	0	0	0	0	0	1	1
1	0	0	1	0	1	0	1
2	0	1	0	0	1	0	0
3	0	1	1	0	1	1	0
4	1	0	0	0	1	1	0
5	1	0	1	0	1	1	0
6	1	1	0	1	0	0	0
7	1	1	1	1	0	1	0
...				X	X	X	X

*** Gözüm için lütfen diğer sayfaya geçiniz. ***



İrtuğrul KANTAR

05190000086

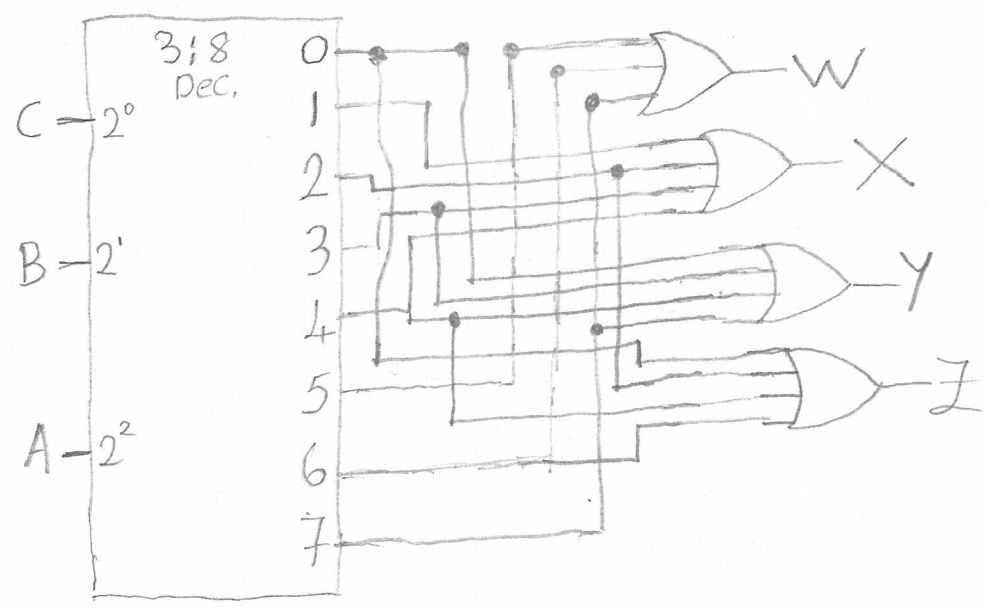
İrtuğrul

$$W = AB + AC = ABC + ABC' + AB'C = \sum_m(5,6,7)$$

$$X = A'B + A'C + AB'C' = A'BC + A'BC' + A'B'C + AB'C' = \sum_m(1,2,3,4)$$

$$Y = BC + B'C' = ABC + A'BC + AB'C + A'B'C' = \sum_m(0,3,4,7)$$

$$Z = BC' + B'C' = ABC' + A'BC' + ABC' + A'B'C' = \sum_m(0,2,4,6)$$



★ Sonradan fark ettim ki doğruluk tablosundan direkt indexlere ulaşabiliyoruz. Dalgınlıkla baya uzattım gözümü ama ilerlediğimden si- lemedim. Gözerken baya kaptırmışım sanırım kendimi.

8

	A	B	C	D	F
0-	0	0	0	0	0
1-	0	0	0	1	0
2-	0	0	1	0	0
3-	0	0	1	1	1
4-	0	1	0	0	0
5-	0	1	0	1	1
6-	0	1	1	0	1
7-	0	1	1	1	0
8-	1	0	0	0	0
9-	1	0	0	1	1
10-	1	0	1	0	1
11-	1	0	1	1	0
12-	1	1	0	0	1
13-	1	1	0	1	0
14-	1	1	1	0	0
15-	1	1	1	1	1

$$F = \sum_m(3,5,6,9,10,12,15)$$

