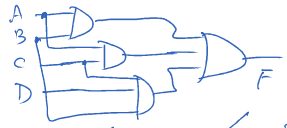
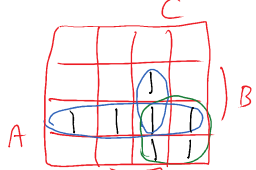


A	B	C	D	F
0	0	0	0	0
0	0	0	1	1
0	0	1	0	0
0	0	1	1	1
0	1	0	0	0
0	1	0	1	1
0	1	1	0	0
0	1	1	1	1
1	0	0	0	1
1	0	0	1	0
1	0	1	1	1
1	1	0	0	0
1	1	0	1	1
1	1	1	0	1
1	1	1	1	1

میکشون ۴ ساده بار
A 35/
B 25/
C 25/
D 15/
فرق نیم رسمی میانی است که
Σ(7, 10, 11, 12, 13, 14, 15)

$$F = AB + AC + BCD$$

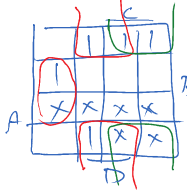
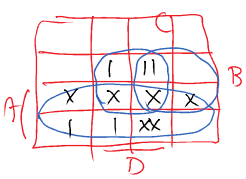


A	B	C	D
0	0	0	0
1	0	0	1
2	0	1	0
3	0	1	1
4	1	0	0
5	1	0	1
6	1	1	0
7	1	1	1
8	0	0	0
9	0	0	1

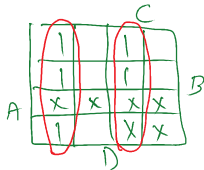
تبدیل که BCD که Excess-3
W = Σ(5, 6, 7, 8, 9)
X = Σ(10, 11, 12, 13, 14, 15)
Y = Σ(1, 2, 3, 4, 7, 8)
Z = Σ(0, 2, 4, 6, 8)

① {d =

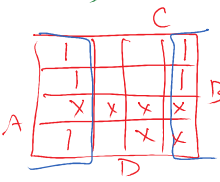
$$W = ABD + BC \quad X =$$



$$X = BC'D + B'D + B'C$$



Truth Table for Code Conversion Example							
Input BCD				Output Excess-3 Code			
A	B	C	D	w	x	y	z
0	0	0	0	0	0	1	1
0	0	0	1	0	1	0	0
0	0	1	0	0	1	1	0
0	0	1	1	0	1	1	1
0	1	0	0	0	1	0	0
0	1	0	1	0	1	0	1
0	1	1	0	1	0	0	1
0	1	1	1	1	0	0	0
1	0	0	0	1	0	1	1
1	0	0	1	1	1	0	0



$$Y = C'D' + CD$$

$$Z = D'$$

$$W = A + B(C + D)$$

$$X = BC'D + B'D + B'C$$

$$W = A + B(C + D)$$

$$X = BC'D + B'D + B'C$$

$$C'D' + CD$$

