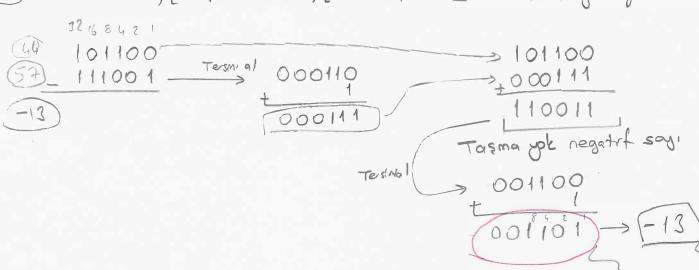
(28.01.2021)

LOJIK TASACIM DERSI

(FINAL SINAVI)



$$f = b\overline{c}d + a\overline{b}d + b\overline{c}d + a\overline{b}d + a\overline{b}d + a\overline{b}d$$

$$= b\overline{d}(\overline{c}+c) + a\overline{d}(\overline{b}+b) + \overline{a}\overline{d}(\overline{b}+b)$$

$$= b\overline{d} + a\overline{d} + \overline{a}\overline{d}$$

$$= b\overline{d} + d(\underline{a}+\overline{a})$$

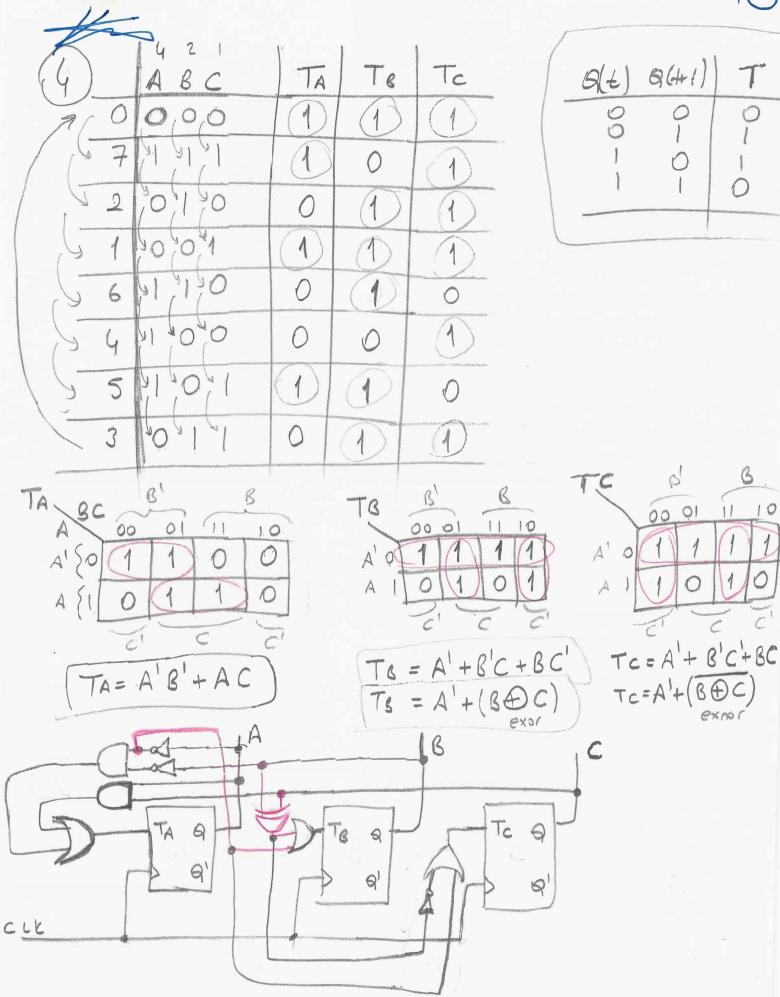
$$= b\overline{d} + d$$

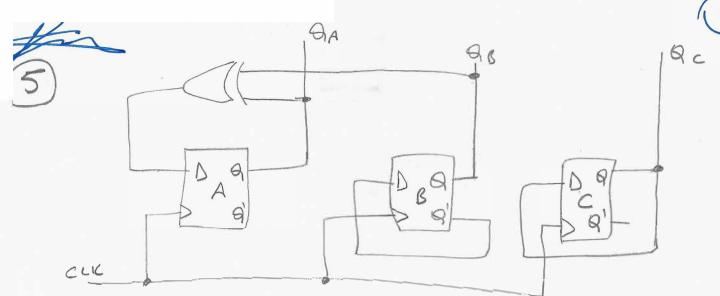
$$= (b+d) \cdot (d+d)$$

$$= b+d$$

3 - 8×1 mux ile tasola $f = (a,b,c,d) = \sum (0,1,3,7,8,10,12,15)$

a b c d f	
000001	Io I+ I2 I3 I4 I5 I6
2 0 0 1 9	a'(0)(1) 2 (3) 4 5 6
40100	9 9 10 11 12 13 14
50101	1 a' a a' a 0 0
8 10001	
9 1 0 0 1	1 To
10 13101	T2 8×1
12 1 100 1	Is nux
15 1 1 1 1	0 Ts S.
	a bed





once!	Dun	Sorol D	M
9A 96 000000000000000000000000000000000000		9 At 98t 00 1 100 1 100 0 0	Qc+ 0 1 0 1 0 1 0 1

$$D_A = Q_A \oplus Q_B$$

$$Q_A(+1) = Q_A'Q_B + Q_A Q_B'$$

$$D_B = Q_B'$$

$$Q_C(+1)$$

$$D_C = Q_C$$

BITTI