99243022

cilmle Soe

a, Y= ((A+B)(C+D) (E+F+GH))

Y= ((A+B) (C+D) (E+F+GH)) = (A+B) (C+D) (E+F+GH) -> N-notwork

 $D(\overline{Y}) = (AB) + (CD) + (E.F. G+H) \rightarrow P-network$

A-G D-D D-F

QUND

16 ترانزىستور

A_B

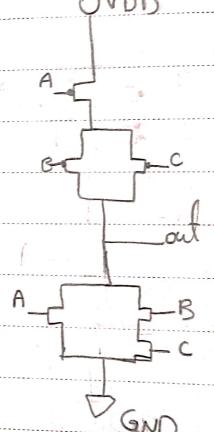
GND

r:..... Month:.... Day:....

$$\overline{Y} = A_{+}(BC) \rightarrow N_{-}network$$

$$D(\overline{Y}) = A(B+C) \rightarrow P_{-}network$$

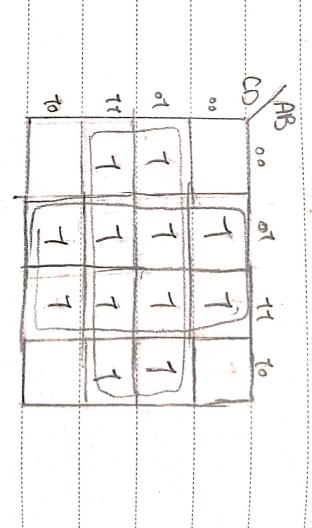
6 ترانزیستو



м (7,4,6,7,9,12,15,77,20,27,22,23,28,31)

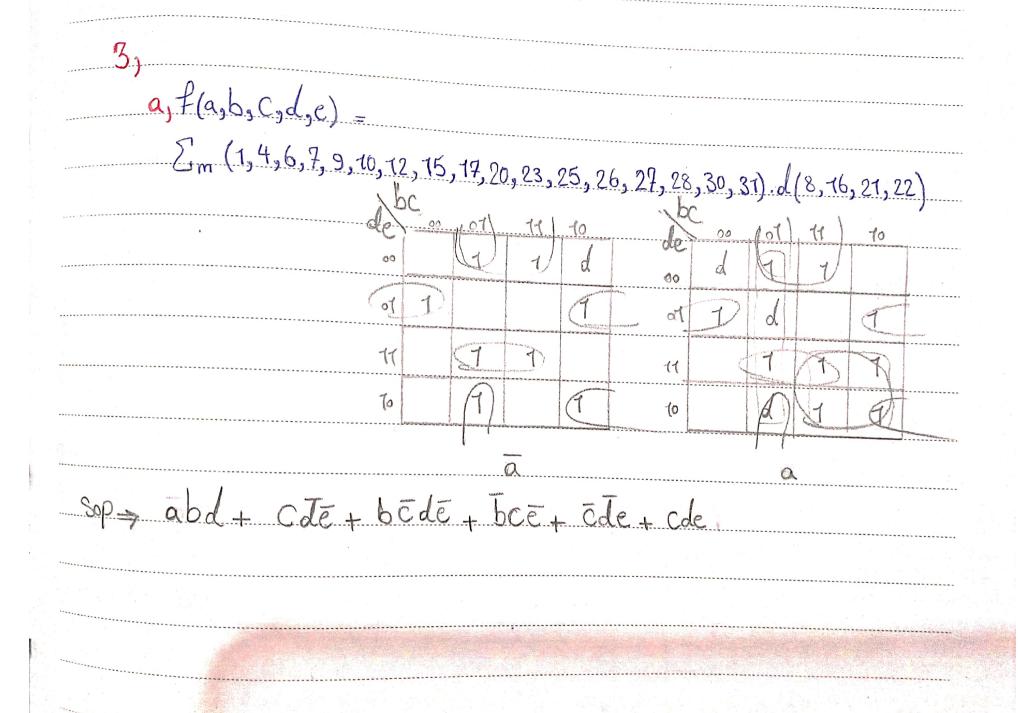
(B+C+D)(D+E+C+A)(D+E+B+A)(C+D+E)

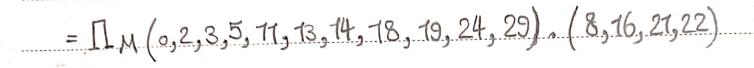
b) f(A,B,C,D) = 2m (1,3,4,5,6,7,9,11,12,13,14,15)

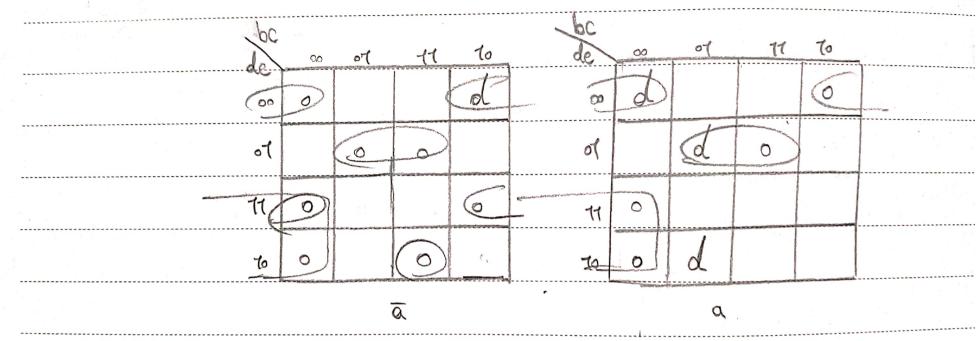


pp → 15+1)

= 11 M (0,2,3,5,71,73 14 10 10 00) /



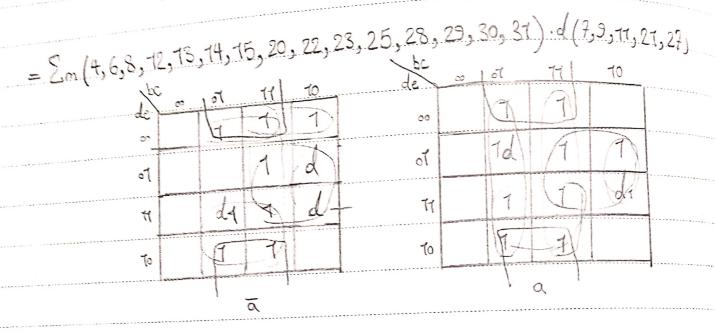




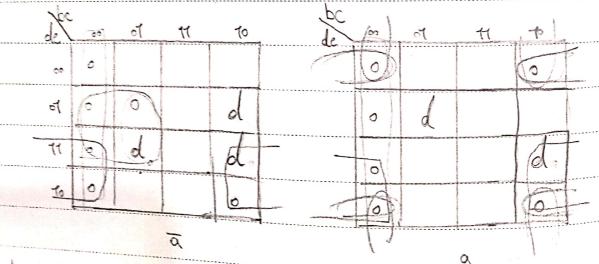
PS ⇒ (b+C+d)(b+C+oT+e+a)(a+C+J+ē)(c+d+e)(C+d+ē)

CACTUS-

b, f(a,b,C,d,e) = Ny (0,1,2,3,5,10,16,17,18,19,24,26). L(7,9,71,21,27)



Sop> CE+ be+ ABD+CD



 $\beta \Rightarrow (b+c)(a+b+\bar{e})(\bar{a}+c+e)(c+\bar{d})$