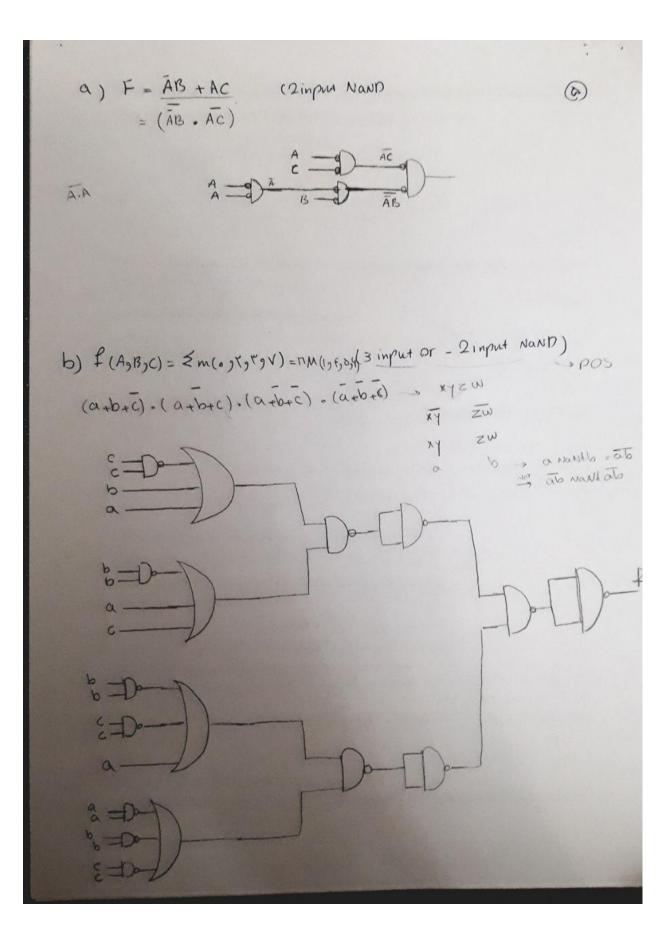
اه در سال ۱: 1mm = 0.40 = 0 - not 1108 -, (a+b) + (a+b) = (a.b) + (ab) = (a.b) + (ab) = (a.b) = a+b or NOR-> (a+5) = a.b and fand, or, not 3 wor . The will work - will - 15 0 Nor: a+b = a.b > fand noty s into conse (وادن عادت ماى زير داريك دموران بردت آورم a) +(a, b,c) = (a\Text{\text{\$\tex{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\ is from boc) = (a@b)(b@c) . (a.b + a+c) = (a@b)(b@c) . (a.b + a.c) = (a⊕b)(b⊕c) . (a.b.tac) (a.b +āc) (ab+āb).(bc+bc)]=(a.b+āc) (ab+āb)+(bc+bc)]= (ab + ac) [(ab - ab) + (bc - Ec)] = (ab + ac) [(a+b) . (a+b) + (b+c) . (b+c)] (a.b+ac)[ga+ab+bb+bb+bc+bc+gb] = ab+abc+abo = orb(lec)+abo = ab+abo b) faying (boc) + ab (a+c) f= (boc) . ab (a+c) = (bc+bc). (ab+(a+c)) - (1b+c).(b+c)).(ab+a+c) =

- - 1 - Inc. 1 have

a)
$$f(a_{5}b_{5}c) = \sum m(1_{5}f_{5}a_{5}) = m_{1} + m_{6} + m_{6} = 0$$

$$\bar{a}.\bar{b}.c + a\bar{b}.\bar{c} + a\bar{b}.c = \bar{b}.(\bar{a}c + a\bar{c} + ac)$$

a)
$$f(x,y) = xy + xz = xy + x+z = xy + xyz = xyz + xyz + xyz + xyz + xyz + xyz = xyz + xyz + xyz + xyz + xyz = xyz + xyz + xyz + xyz + xyz + xyz = xyz + xyz + xyz + xyz + xyz = xyz + xyz = xyz + xyz +$$



a)
$$f(x,y) = x + \overline{w}x + \overline{x}y + wx + xyz + \overline{x}yz$$

$$x + \overline{x}y + \overline{w}x + wx + xyz + \overline{x}yz = x$$

$$x + \overline{x}y + x + yz = x + \overline{x}y + yz$$

b)
$$f(u_{1}y_{1}z) = \bar{y}z(\bar{z}+\bar{z}x) + (\bar{x}+\bar{z})(\bar{x}y+\bar{x}z)$$

 $= \bar{y}z\bar{z}+\bar{y}z\bar{z}x + \bar{x}.\bar{x}y+\bar{z}\bar{x}y + \bar{x}\bar{x}z + \bar{x}y\bar{z}+\bar{z}\bar{x}z$
 $= o + o + \bar{x}y + \bar{x}y\bar{z} + \bar{x}z + \bar{x}y\bar{z} + o = \bar{x}y+\bar{x}z + \bar{x}y\bar{z} = \bar{x}y+\bar{x}z$
 $\bar{x}y+\bar{x}z+\bar{x}y\bar{z} = \bar{x}y(1+\bar{z})+\bar{x}z=\bar{x}y+\bar{x}z$

αδ+αξ+αδ+δξ+δδ+ξ το + αδ + αξ+αδξ = ξ+αδ+αξ+αδ+δξ+δδ+αδξ = (ξ+αξ) +(αδ+αδξ) + αδ+δξ+δδ = ξ+αδ+αδ+δξ (ξ+αξ) +(αδ+αδξ) + αδ+δξ+δδ = ξ+αδ+αδ+δξ+δδ = ξ+αδ+αδ+δξ

