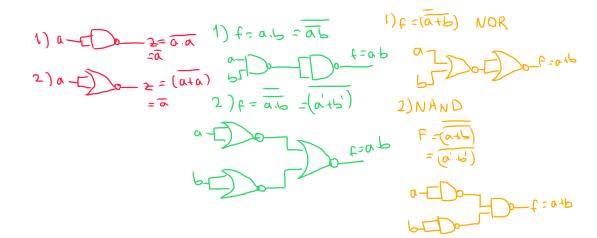
A-) Türetilmis Kupılarla Temel Losik Kapıların -Tomleyen (NOT) Ve (And) Veyn (OK)



- B) Indir gennis itadelerin agni tin kapilarla geraklestirilmosi
  - i) Forpinter Toplam NAND (Tomlegen Le) Tasarimi

$$f(x_{|y|},z) = xyz + xy + xz$$

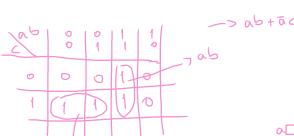
$$f = \sum \pi x_i$$

$$f = \sum \pi x_i = f = \pi \pi x_i$$

$$f = \pi \pi x_i$$

$$f = \pi \pi x_i$$

of f(a,b,c) = abc tabe tabetabe



ac

$$f(\omega) = \alpha'(+\alpha)$$

$$f(\omega) = \alpha'(+\alpha)$$

$$f(\omega) = \alpha'(+\alpha)$$

$$f(\omega) = \alpha'(+\alpha)$$

$$f(\omega) = \alpha'(-\alpha)$$

$$f(\omega) = \alpha'(-\alpha)$$

Amac 0602 olmasi

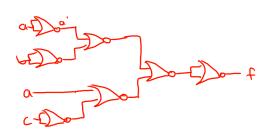


ii) Çarpımlar toplamı NOR Tasarımı (Tümkiyen veya)

$$\frac{f = \xi \pi_{x_1}}{\pi_{x_2}} = \xi \pi_{x_3}$$

$$\bar{F} = \tilde{z} \tilde{z}_{x}$$

£ 1 Dot



## iii) Toplanlar garpini NOR tusarini

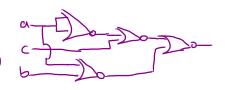
Tveyor

F= (x+3+2).(x+y) (z+y)

$$f = TT \leq x; \qquad f(\alpha, b, c) = (\alpha + b)(\overline{\alpha} + c)$$

$$\overline{f} = T \leq x; \qquad f(\alpha, b, c) = (\alpha + b) + (\overline{\alpha} + c)$$

$$\overline{f} = Z \leq x; \qquad f(\alpha, b, c) = (\overline{\alpha} + b) + (\overline{\alpha} + c)$$



## IV) Toplanlar garpini NAND Tusarini

$$f = \pi \pi \overline{\lambda} \longrightarrow f = \pi \overline{\lambda} = \overline{\lambda} =$$

