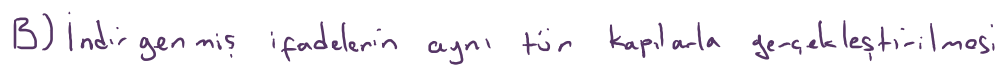


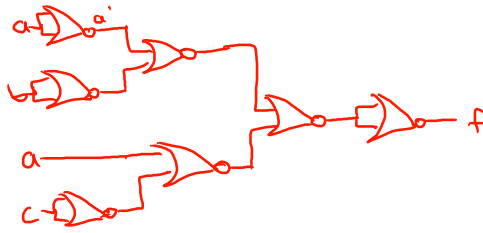
A-)Türetilmiş kapılarla Temel Lojik kapıların ..

Tümleyen (NOT)

Ve (AND)

Veya (OR)


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

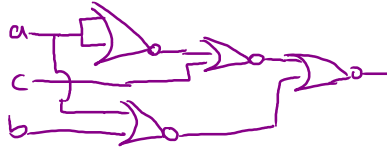


iii) Toplamlar Çarpımı NOR tasarımı

Tveger

$$F = (x+y+z) \cdot (x'+y') \cdot (z'+y)$$

$$\begin{aligned} f &= \prod \sum x_i & f(a,b,c) &= (a+b)(\bar{a}+c) \\ \bar{f} &= \overline{\prod \sum x_i} & \overline{f(a,b,c)} &= \overline{(a+b)(\bar{a}+c)} \\ \bar{f} &= \sum \sum x_i & f(a,b,c) &= \overline{(a+b)(\bar{a}+c)} \end{aligned}$$



IV) Toplamlar Çarpımı NAND Tasarımı

TVE

$$\begin{aligned} f &= \prod \sum x_i & \sum x_i &= \overline{\prod \bar{x}_i} & f(a,b,c) &= (a+b)(\bar{a}+c) \\ f &= \prod \prod \bar{x}_i \rightarrow \bar{f} &= \prod \prod \bar{x}_i & & &= \overline{(a+b)(\bar{a}+c)} = \overline{\bar{a}\bar{b} \cdot a\bar{c}} \end{aligned}$$

