Relatives Sizesof inverters are 1, 3.05, 9.26, 28.3, 86.2, 263

delay of 3.65To

TI

Total delay = N (delay of each) = D C (3.05to) = 18,3to

for N=7 $\beta = (500)^{\frac{1}{7}} = 2.60$

Total delay = 7(2.60 to) = 18,2 to

- close 14.3 to is total delay

(2) Nopt - 1:n (20 FF) 2-18

 $\beta_{\text{opt}} = (\frac{80}{90})^{\frac{1}{6}} = 2.82$

delay of 2.82 To

Total delay = g(2.82to) = 22.56to