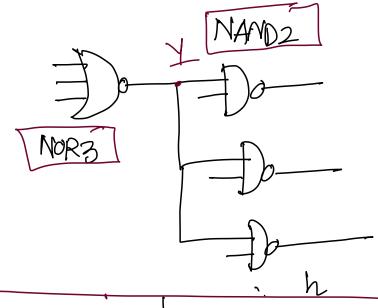
# if Un=3Up, find all the delays at node Y where the output of NOR3 gate drives he identical NAND2 gates (single input).



e dy ely

 $7 \text{ Mn=3MP} \rightarrow \text{Rn=PP/3}$   $7 \text{ Mncs} \rightarrow 3 \text{P/cp}$ ,  $7 \text{ Mncs} \rightarrow 7 \text{ Mncs}$ 

> Rrice = RSall - R worst conmoss 1 cose (1 mmos)

> > 3×32 = R = R

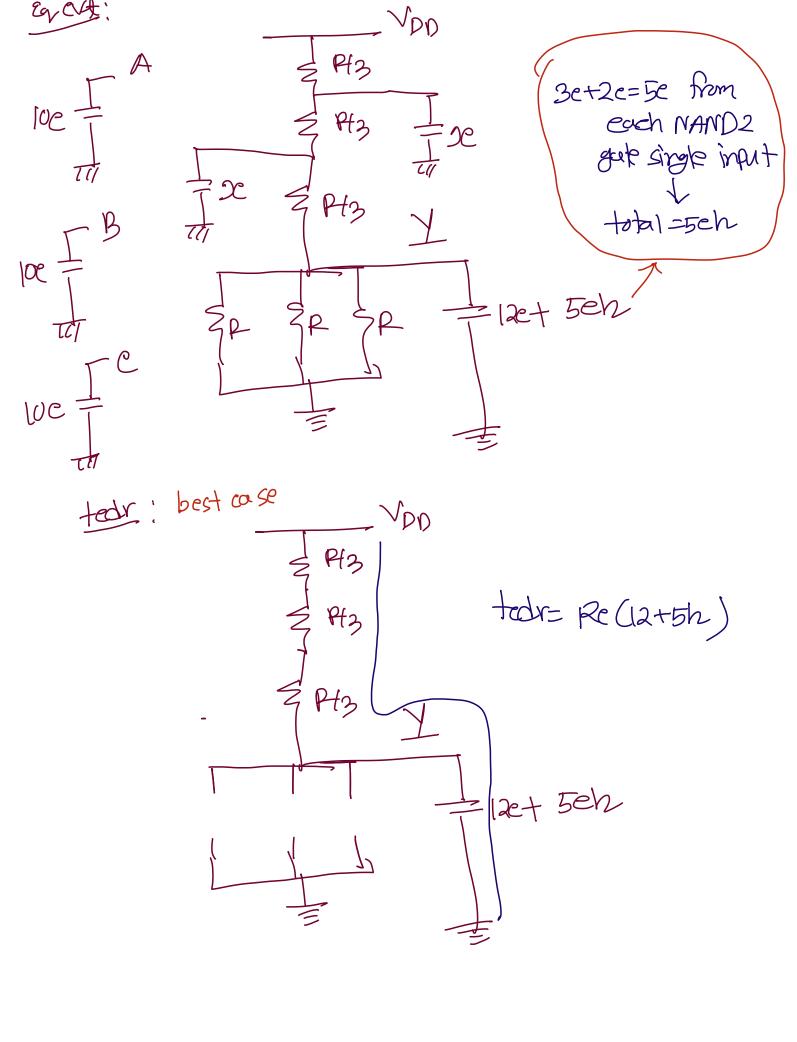
=5 kp=0, kn=1

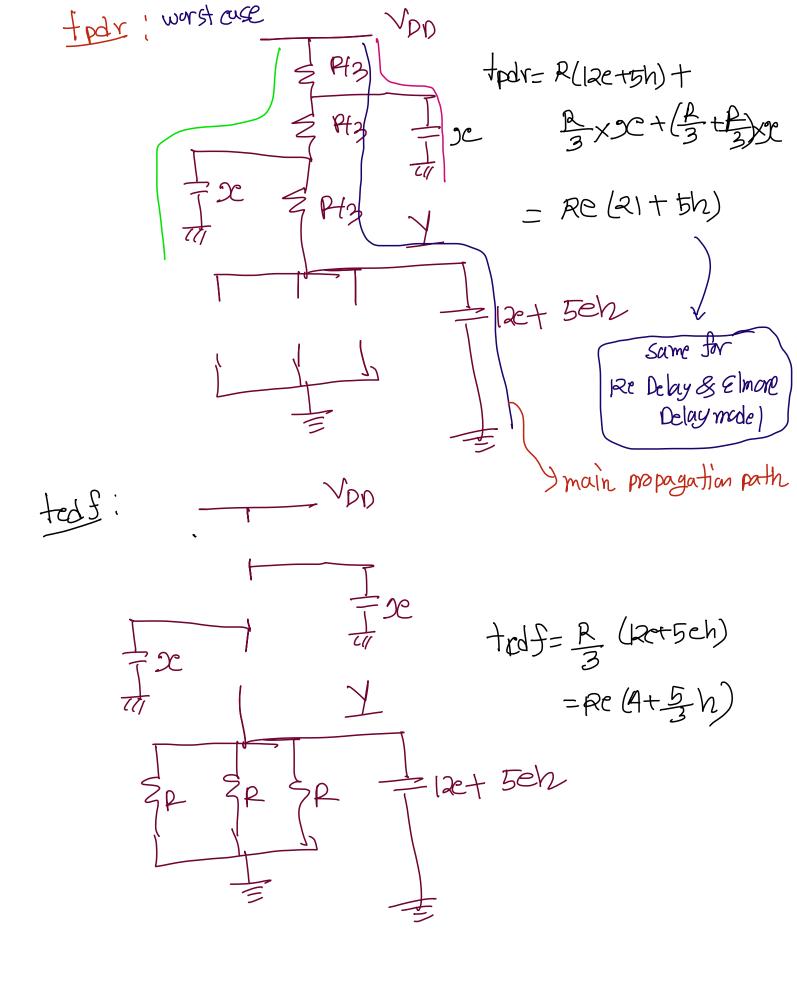
NOP3

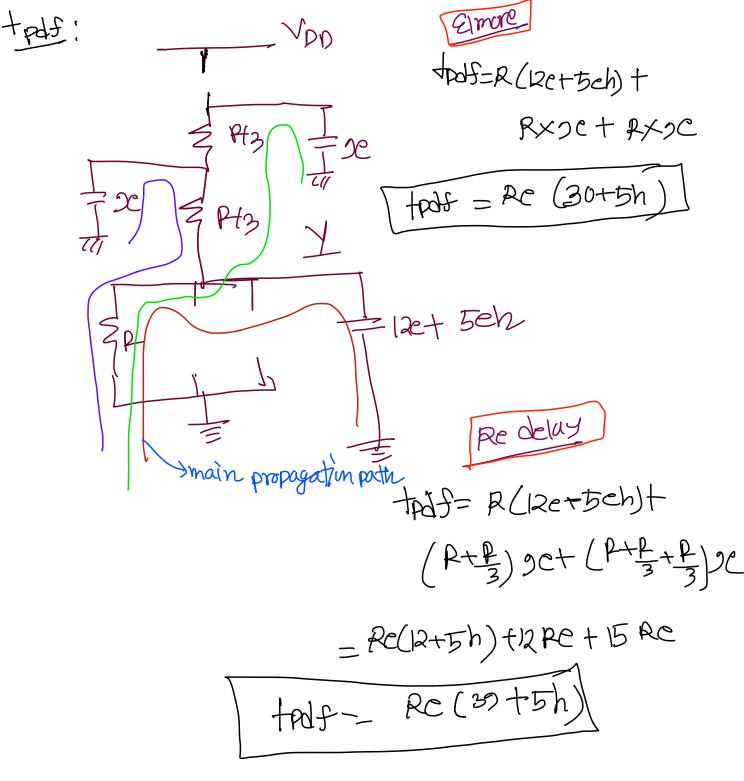
Rrice = RSUI = R

went case (1 pmas on)

NAMD2







\*\* \* For NAND gate TADY is different for the delays Climane delay. And for NOR gate TADS is different for the delays Elmane Delay.