

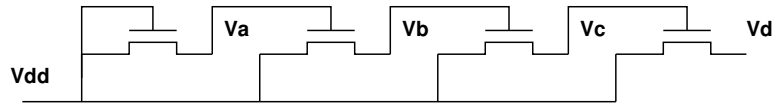
- Assuming this circuit is loaded by an inverter (equivalently, the inverter input of another copy of this circuit), what is equivalent RC circuit on the output if A=1? ( $C_{diff} > 0$ )

<b>Circuit</b>	
<b>B=0</b>	
RC Circuit	Delay
<b>B=1</b>	
RC Circuit	Delay

2. What is the voltage at “Out” for each of the following? ( $V_{thn} = -V_{thp} = 300\text{mV}$ ,  $V_{dd}=1\text{V}$ )

circuit			
voltage			

3. Assuming  $V_{thn} = -V_{thp} = 300\text{mV}$ ,  $V_{dd}=1\text{V}$ , consider:



4. What is the delay (time constant) associated with each of the following?

Circuit	Time Constant