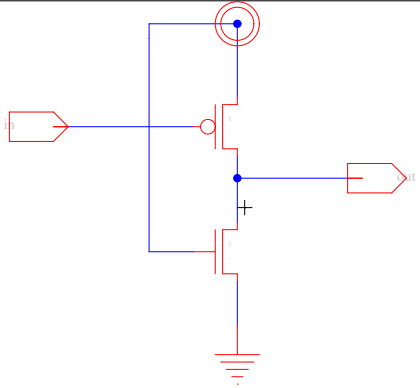
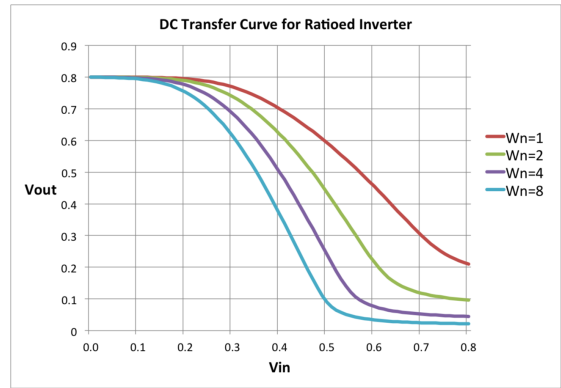
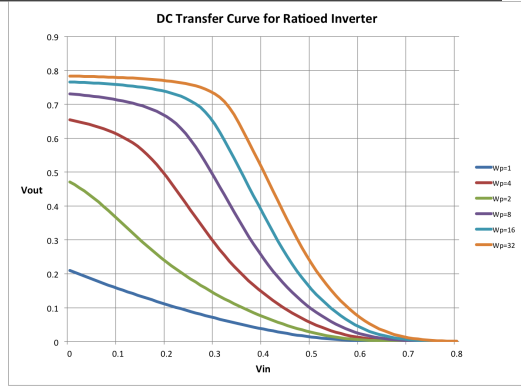


$W_p = 1$



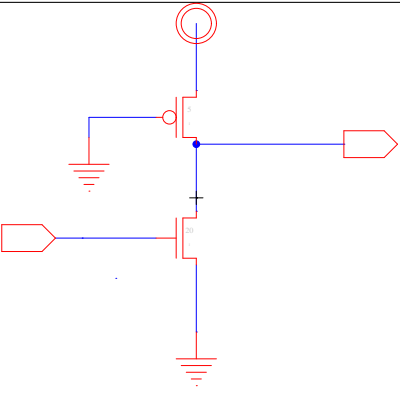
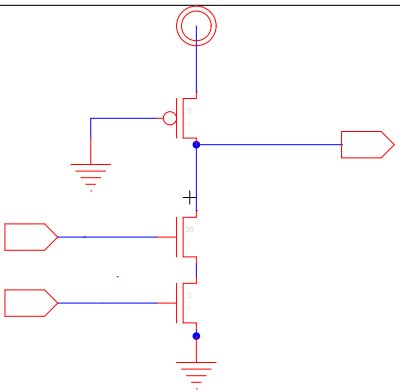
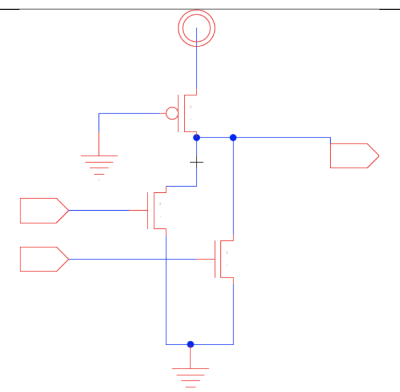
$W_n = 1$



1. Size W_n or W_p for correct operation with $V_{ol} \leq 0.1V_{dd}$ and $V_{oh} \geq 0.9V_{dd}$, where $V_{dd} = 0.8$. Assume extreme velocity saturation, $R_{op} = R_{on}$.

	W_p	W_n	C_{in} in multiples of C_0
	1		
		1	

2. Size for $R_0/2$ worst-case drive (Assume $R_{p0} = R_{n0}$):

	W_p	W_n	C_{in} in multiples of C_0
			
			
			

3. For a k-input NOR gate, sized for worst-case $R_{drive} = \frac{R_0}{2}$ (Assume $R_{p0} = R_{n0}$):

	Ratioed Gate	CMOS
What is C_{in} as a function of k ?		

