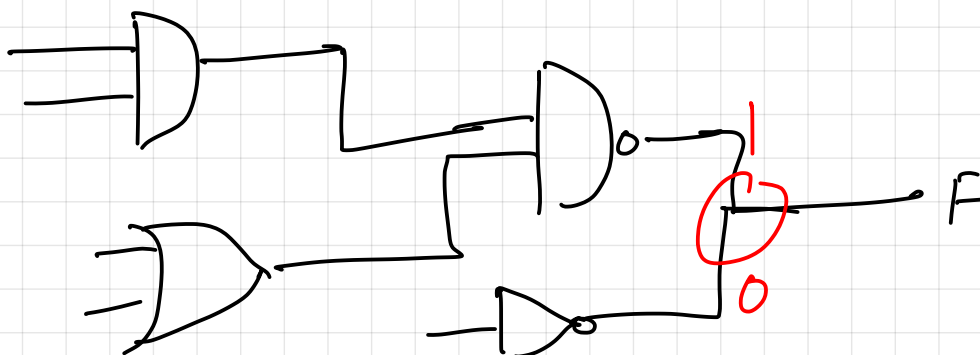
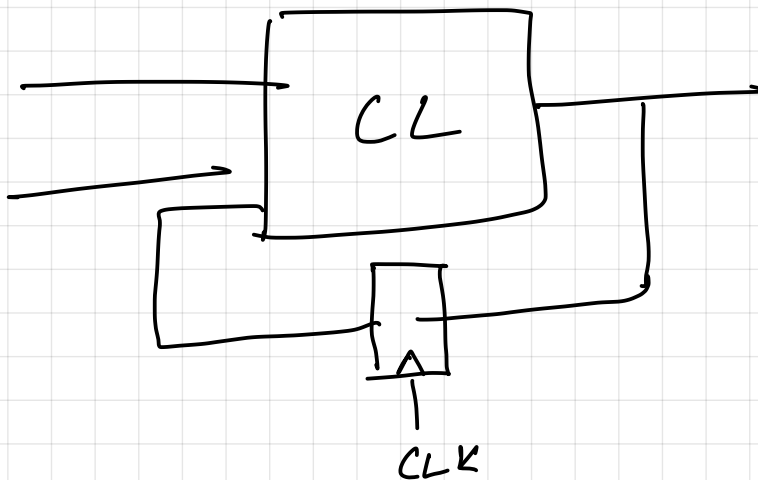
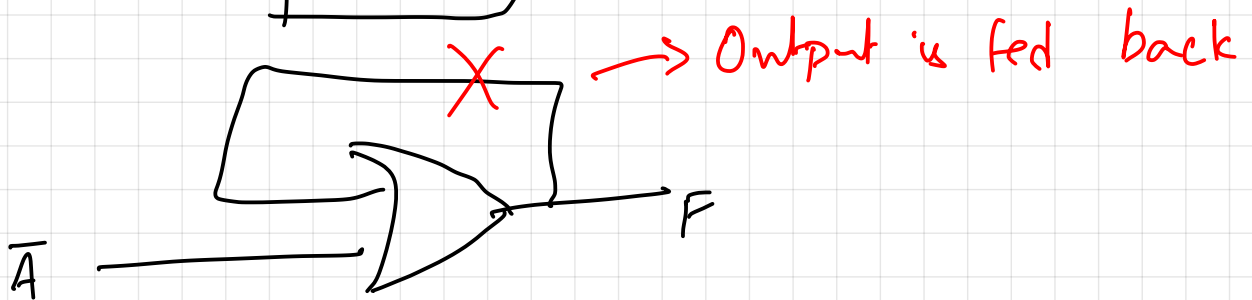
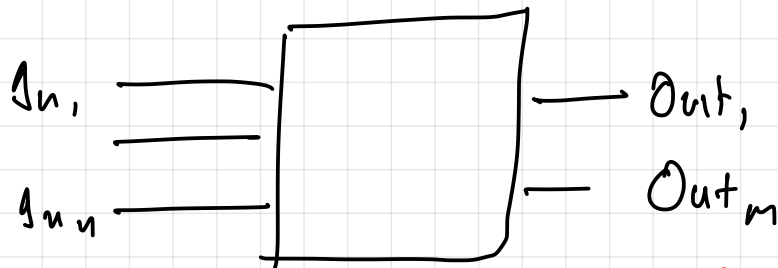
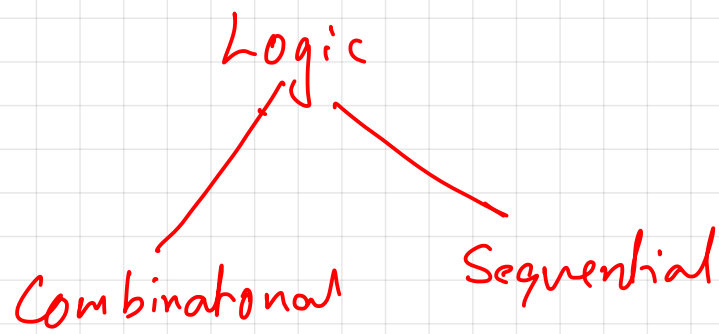


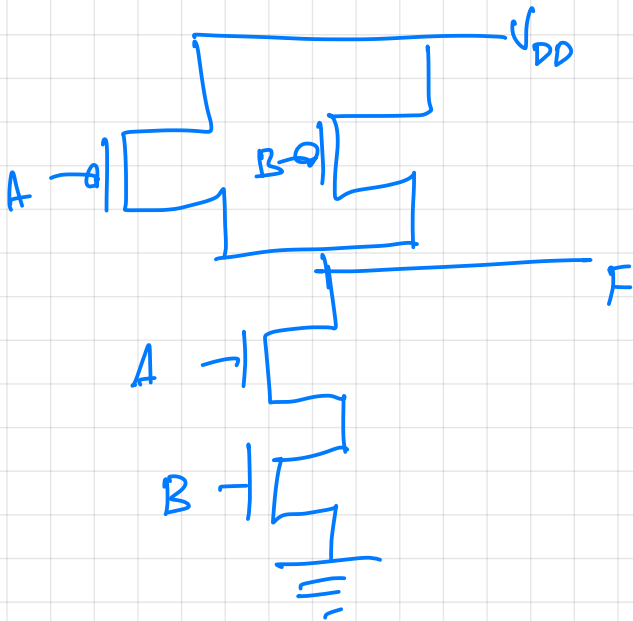
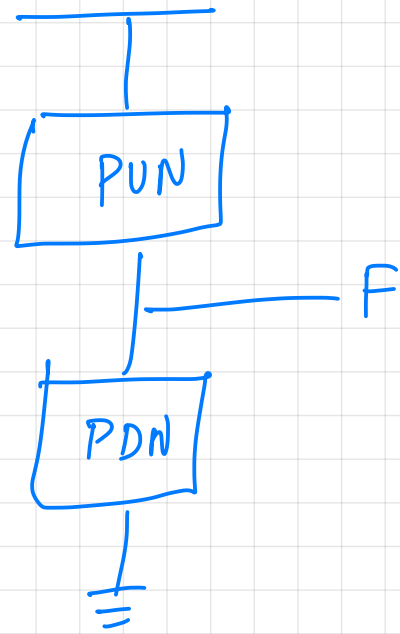
Introduction to VLSI Design

2nd Sep 2022



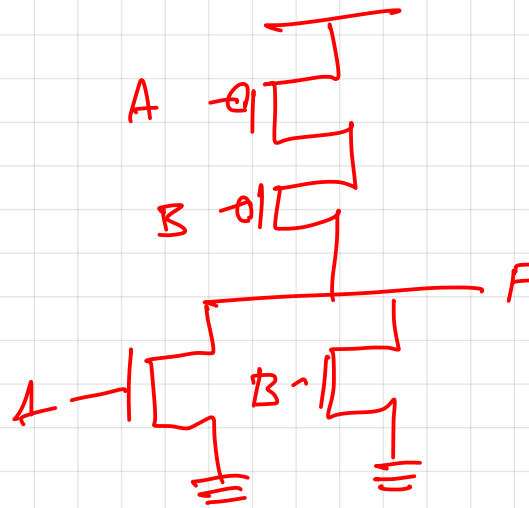
A	B	F
0	0	1
0	1	1
1	0	1
1	1	0

PDN



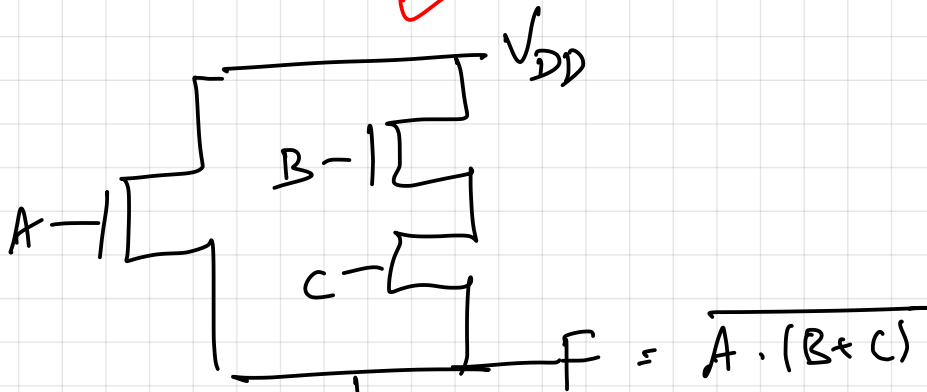
$$F = A \cdot B$$

$$F = \overline{A + B}$$

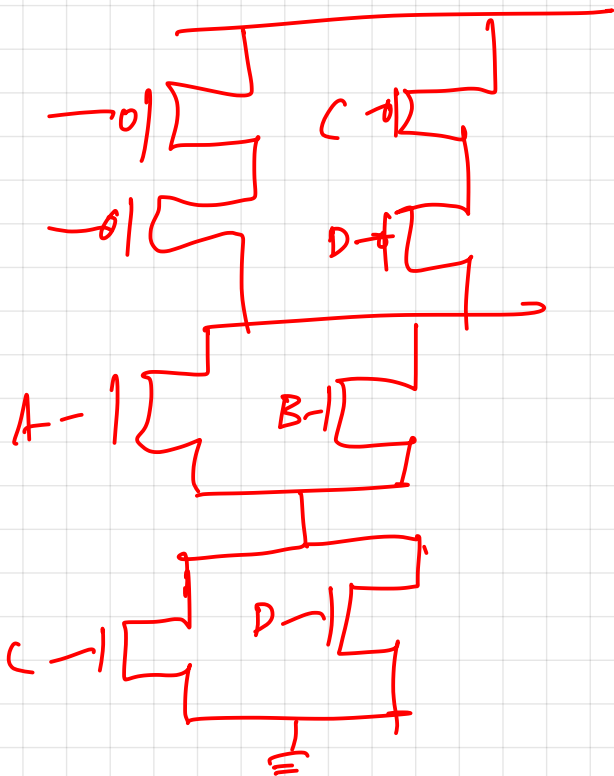
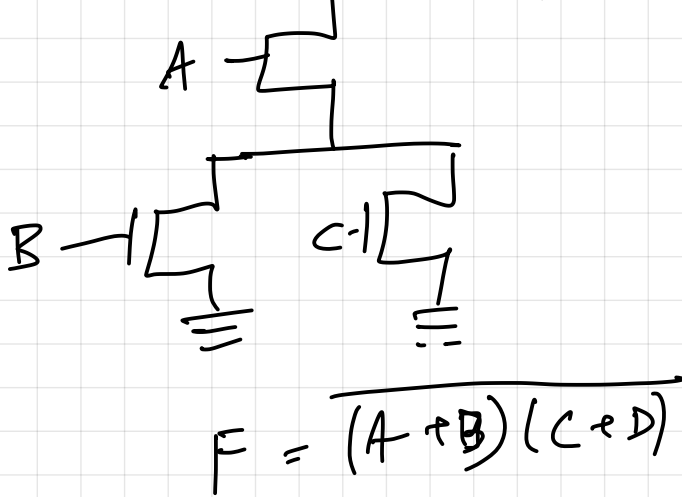


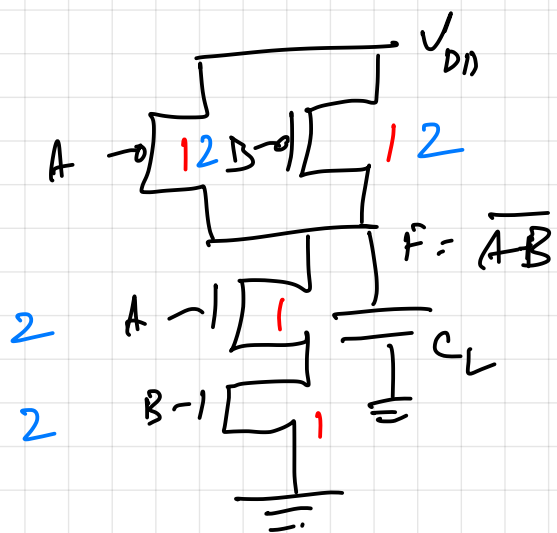
$$F = \overline{A \cdot (B + C)}$$

$$F = \overline{A \cdot (B + C)} = \bar{A} + \overline{B + C}$$



$$C = \overline{AB + BC + CA} = \bar{A}\bar{B} + \bar{B}\bar{C} + \bar{C}\bar{A}$$





$$t_{PHL} = 0.69 \times 2R_n \times C_L$$

$$t_{PLH} = 0.69 \times R_p \times C_L$$

$$F = \overline{A\overline{B} + \overline{A}B}$$

