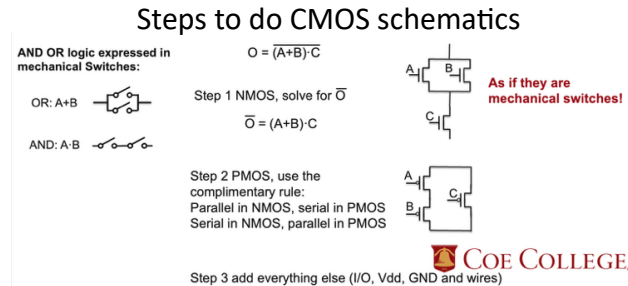


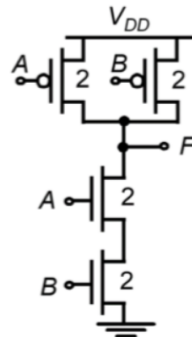
ENR 325 Assignment #10

Due: 11/21/25 10:00 pm

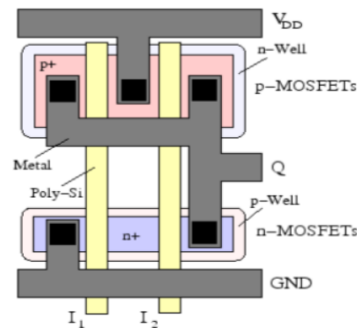
The CMOS IC design is quite straight-forward, yes?



CMOS schematics



CMOS Layered design



Task 1: do a CMOS schematic design for the following Boolean logic:

$$O = \overline{\overline{A} \times B \times C + A \times \overline{B} \times \overline{C}}$$

Show me the schematics with all the components needed (PMOS block, NMOS block, VDD, GND, Input and Output).

Task 2: do a CMOS layered design for the following Boolean logic:

$$O = \overline{\overline{A} \times B \times C + A \times \overline{B} \times \overline{C}}$$

Again, I would like to see all the components (source and drain of each transistor, a clearly labeled, and hopefully, color coded gate, Vdd, GND, Input, and Output).