

ENGR338 Quiz 4

1. Draw the CMOS AOI schematics and the stick diagrams of the following logic expressions. (50 points for each)

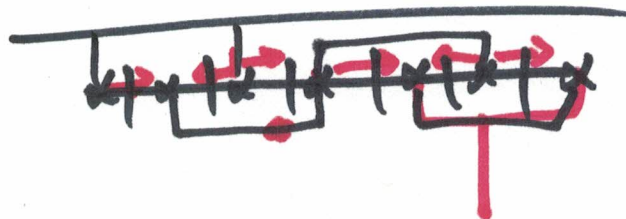
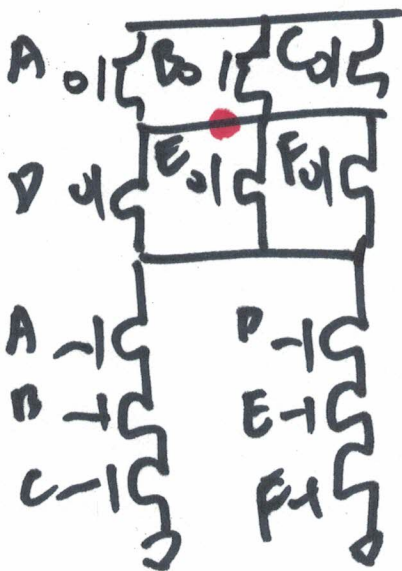
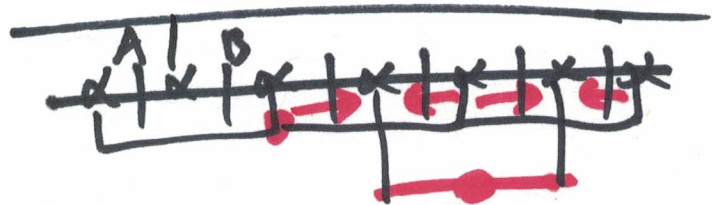
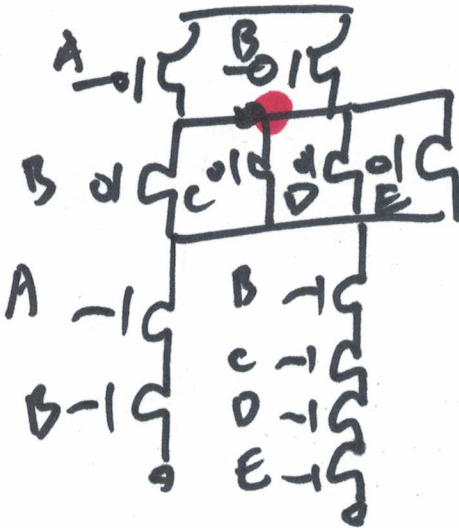
a. $\overline{(AB + A + ABD + CDE + ABCD)}B$

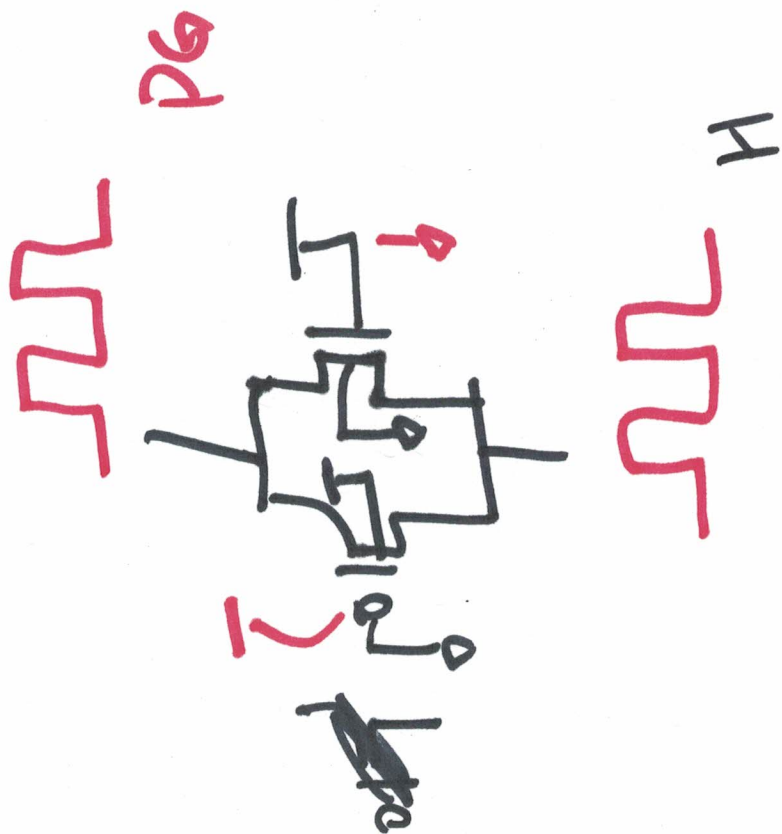
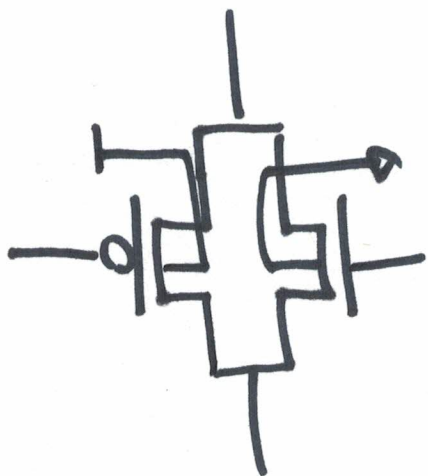
b. $\overline{ABC + DEF}$

$$A(B+1)$$

$$= (A + CDE)B$$

$$= AB + BCDE$$





180