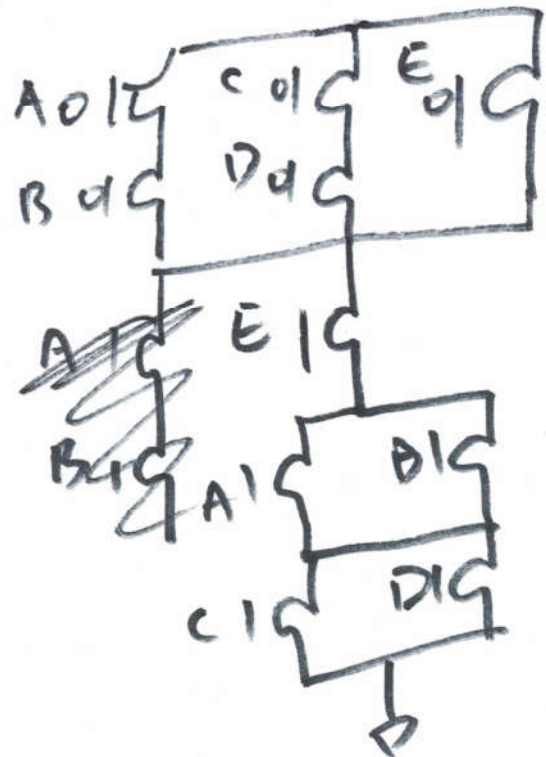
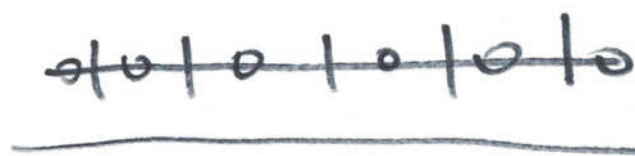
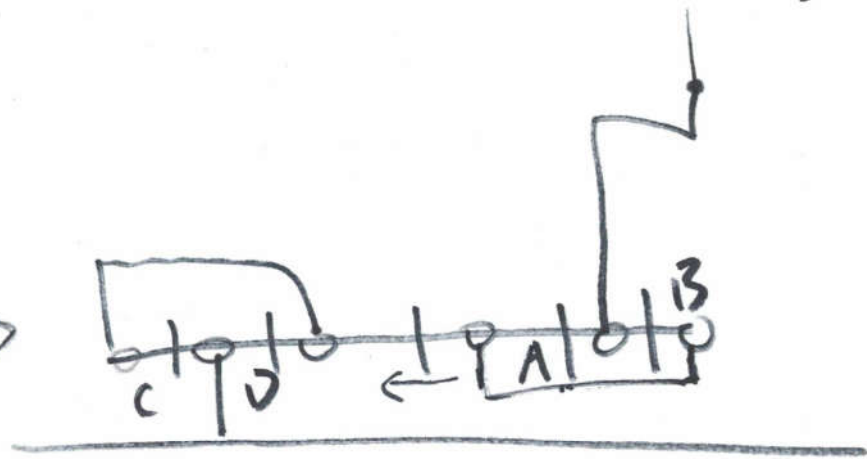
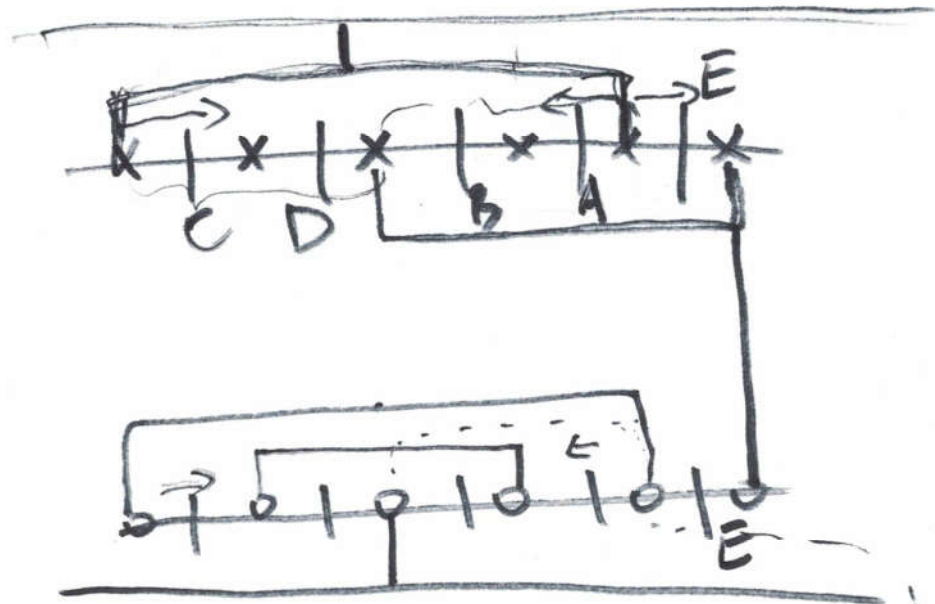
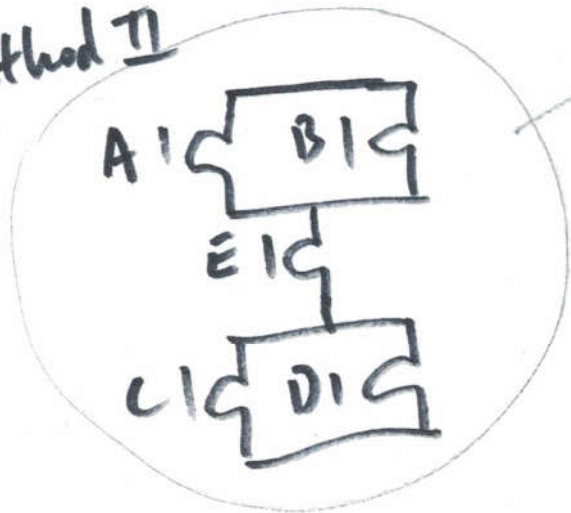


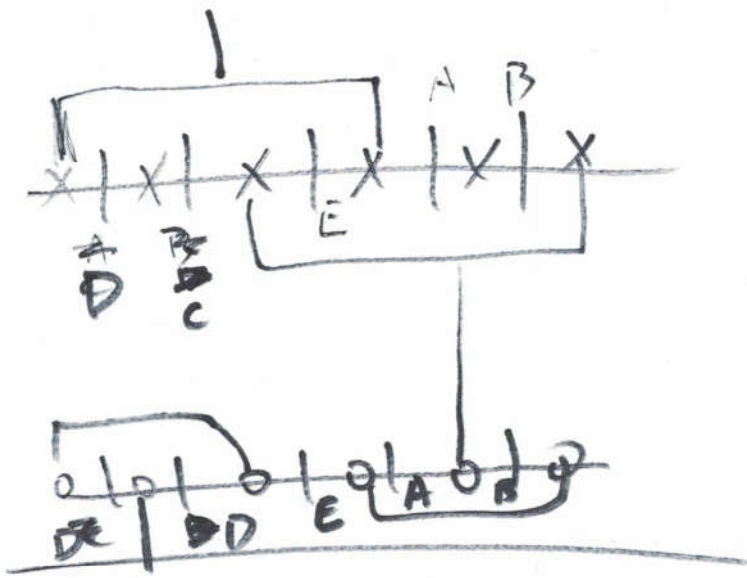
$$(A+B)(C+D) \cdot E$$

Method I:

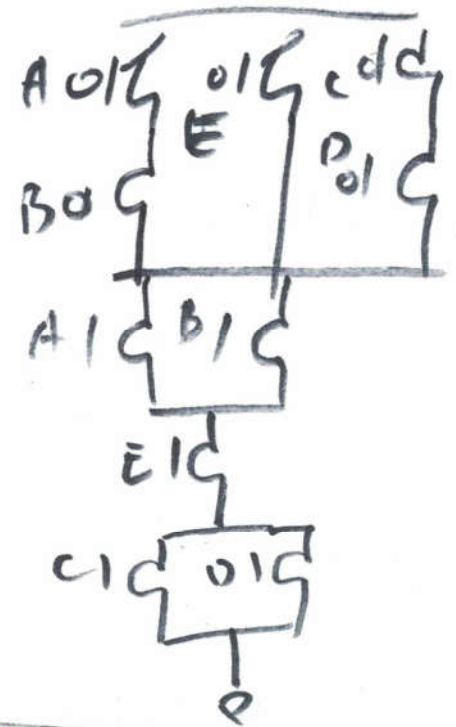


Method II



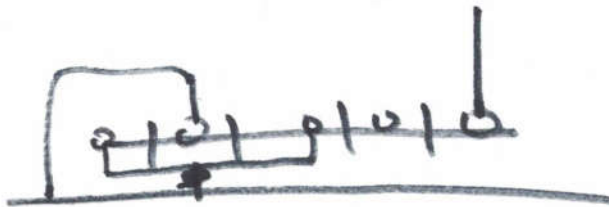
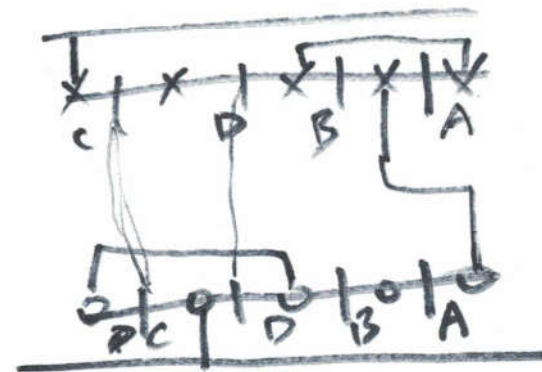
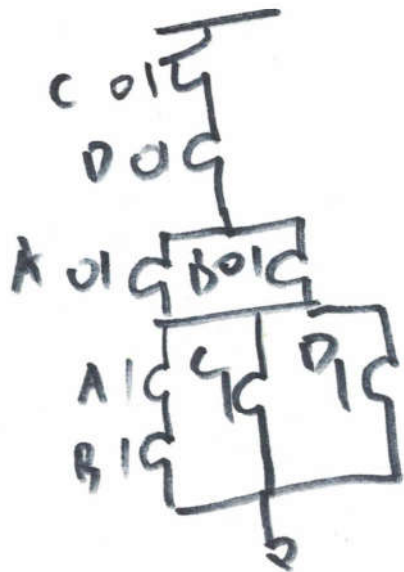


(poly aligned)

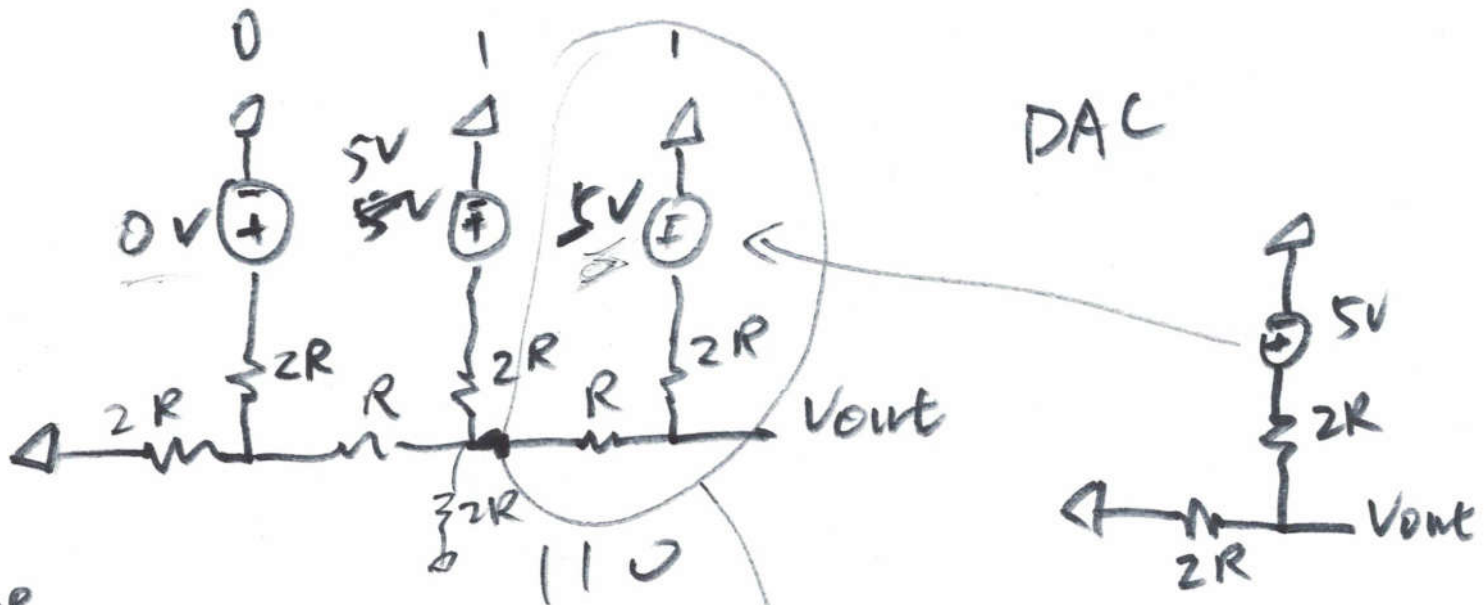


(Best Solution)

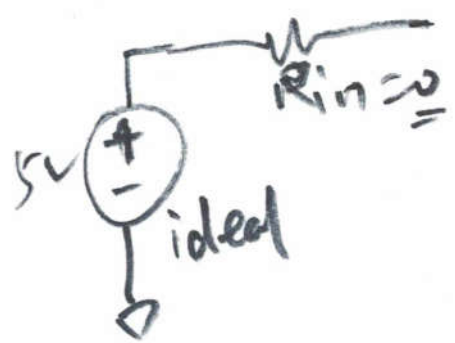
$$(9) G = \overline{A \cdot B + C} \cdot \overline{D} = \overline{A \cdot B + C} + \overline{D}$$



(2)

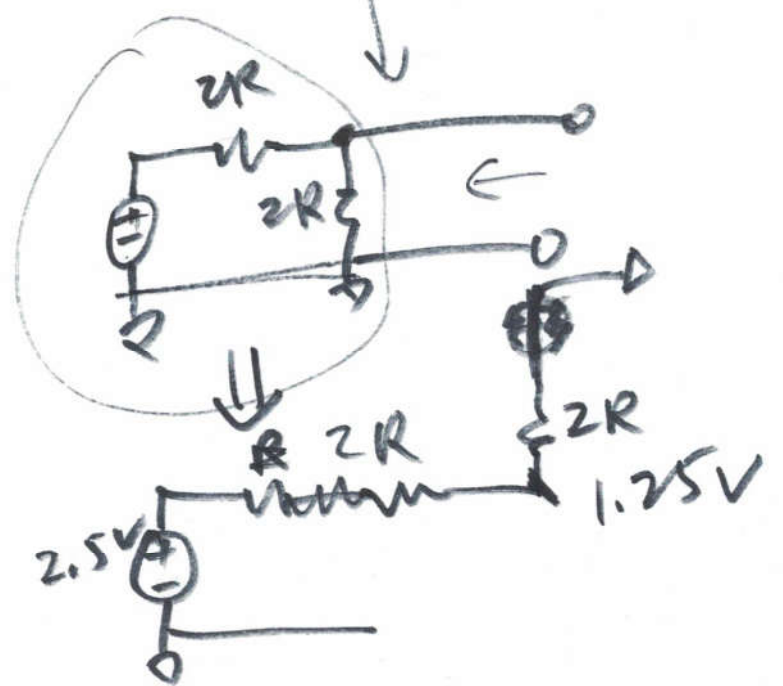


Rin Voltage source = 0



110  
~~011~~

$$\frac{110}{8} \cdot 5 = \underline{\underline{3.75V}}$$



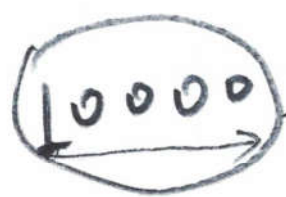
3

6.2V

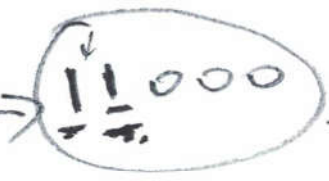
10V

ADC

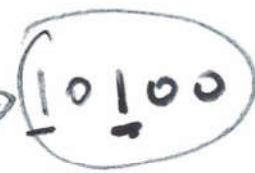
S/H = 6.2V



5V



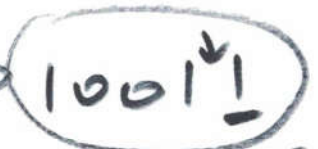
7.5



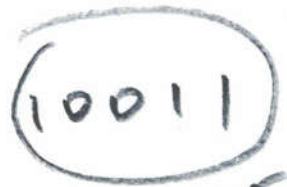
6.25



5.625



5.9375



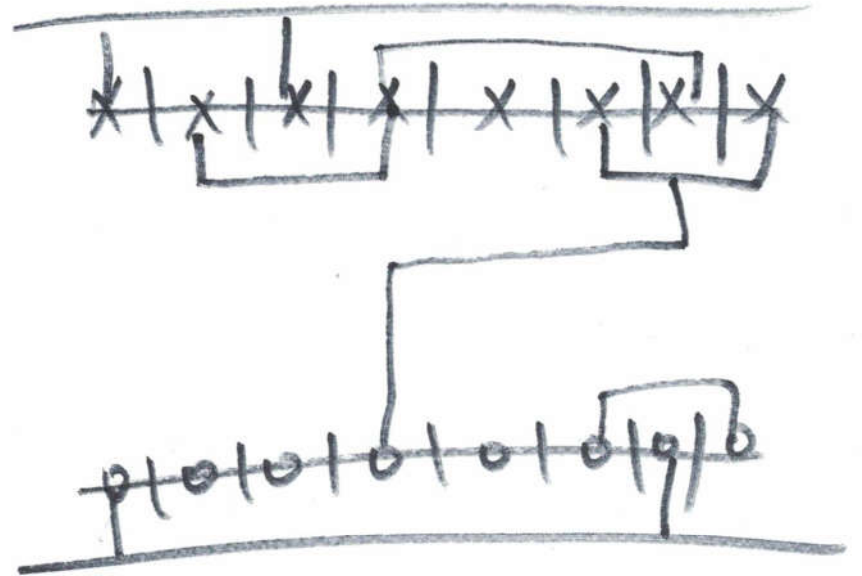
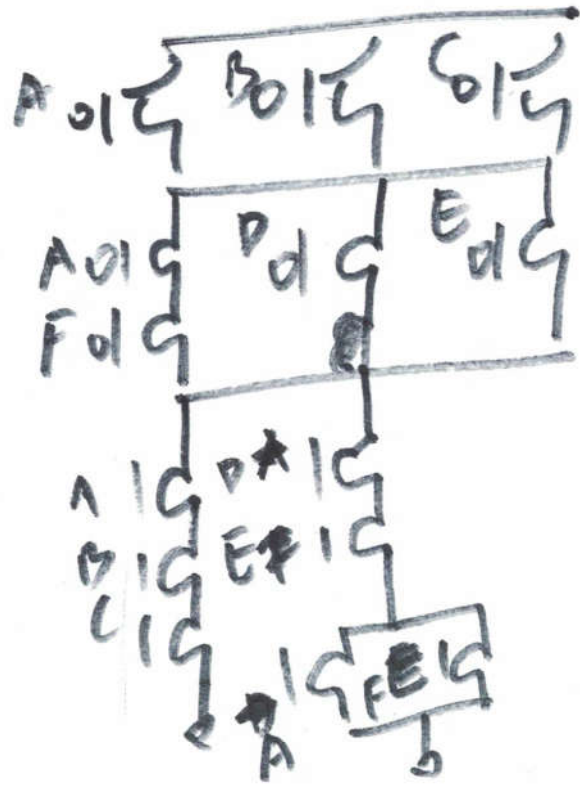
5.9375V



3. ABCD + CDE + AB  
 = ABC(HCD) + CDE  
 = AB + CDE

ABCF + DEF + ADE  
ABCF + DECAF

(\*)



5