



**Arab Academy for Science & Technology
and Maritime Transport – Cairo Branch
College of Engineering & technology
Electronics & Communication Engineering Department**

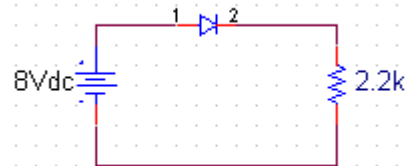


Fundamentals of Electricity and Electronics

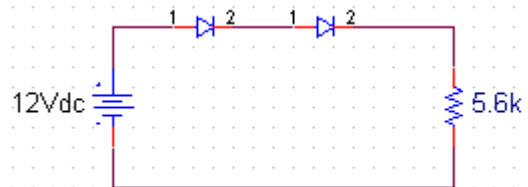
EC134

Problem Set No.6

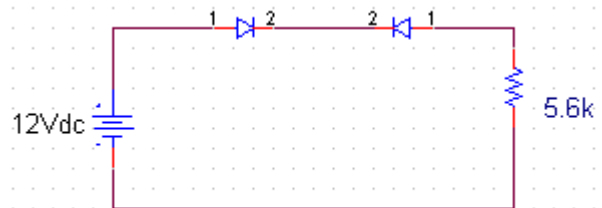
- 1- Determine V_D , V_R and I_D



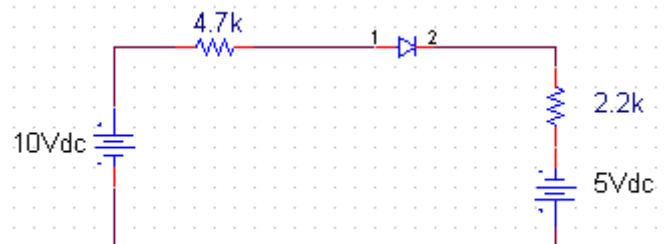
- 2- Determine V_o and I_D



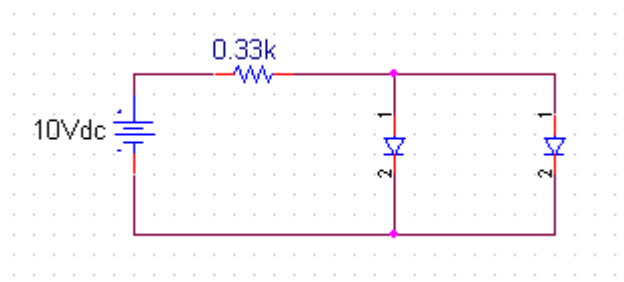
- 3- Determine I_D , V_{D2} and V_o



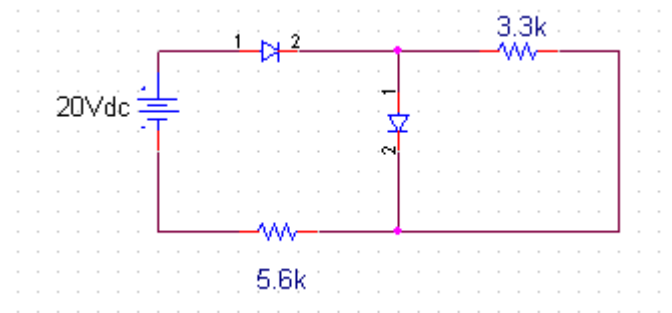
- 4- Find I , V_1 , V_2



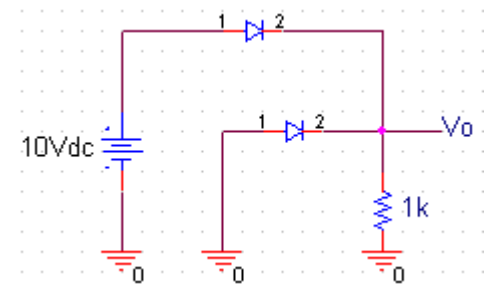
5- Find V_o , I_1 , I_{D1} and I_{D2}



6- Find I_1 , I_2 and I_{D2}



7- Find V_o the following OR gate.



8- Find V_o of the following AND gate.

