You have been asked to design a circuit that will turn on a RED LED whenever all three inputs are 5 V and a GREEN LED whenever all three inputs are 0 V. Both LED’s should be on when a majority of the inputs are 1. You may use FET, BJT, and/or diode based circuits. You may assume that the LED has a 1.2 V drop when on and requires at least 25 mA to provide a bright enough output. You may assume the minimum beta for any BJT is 100 and $V_T$ is 1.5 V and $K = 250 \ \mu A/V^2$ and you have 5 V DC and 10 V DC sources available.

There will be 35 minutes allocated for the design portion with 3 minutes for oral presentation of your teams design.