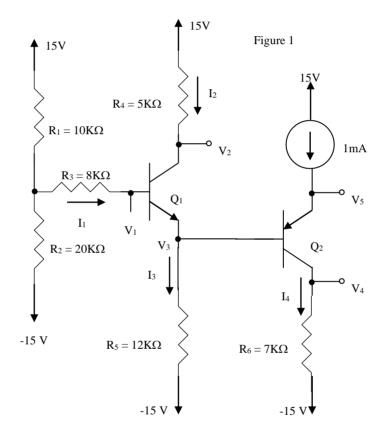
SANTA CLARA UNIVERSITY	ELEN 115 – Spring 2023	S. Krishnan
Homework #9		

- 1. Figure 1 shows a multistage amplifier in DC operation with the transistors having V_{EBON} or V_{BEON} = 0.7 V, β =100, V_{CEsat} = 0.2 V and V_{T} = 25 mV.
- (a) Find the value of voltages V_1 , V_2 , V_3 , V_4 and V_5 and currents I_1 , I_2 , I_3 and I_4 . Clearly show all the steps of your work.
- (b) Justify any assumptions you make.



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