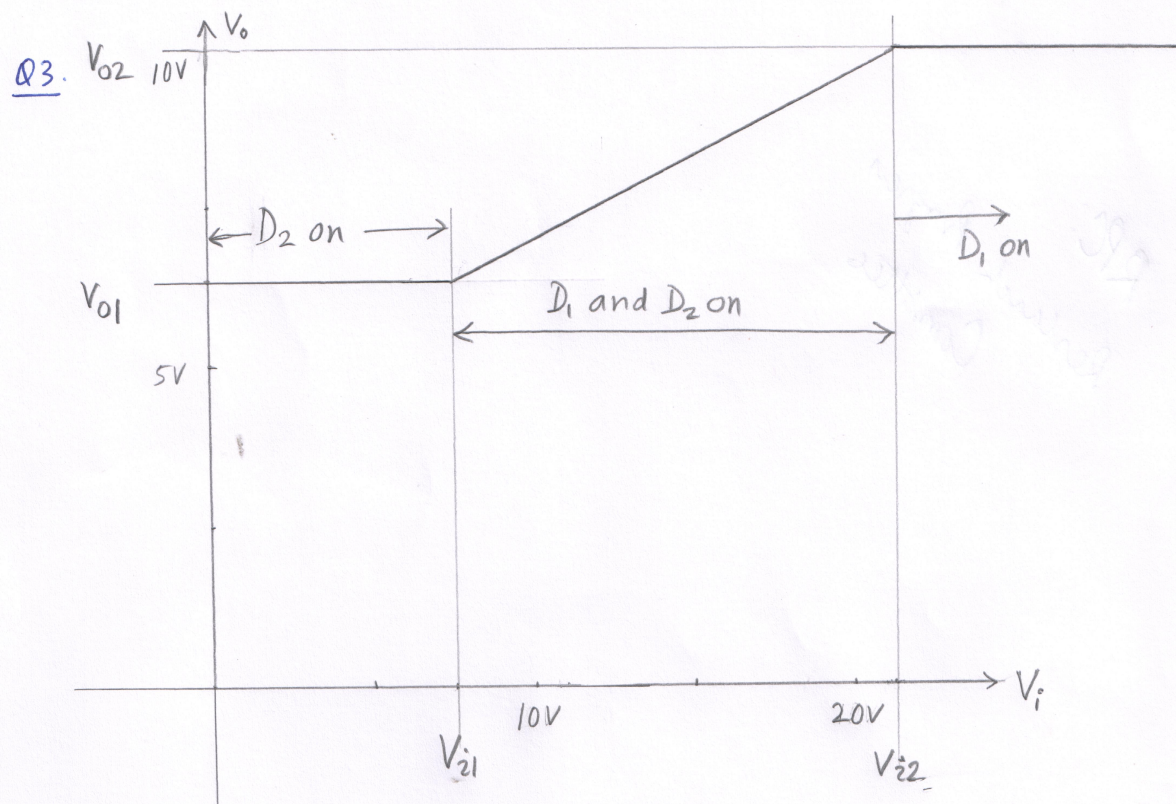
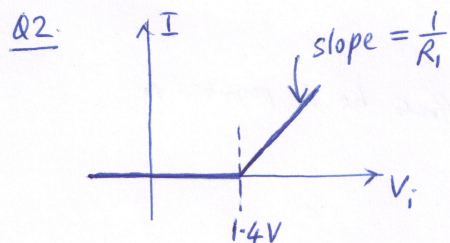


EE112 (Jan-Apr 2017) HW no. 4 solutions

Q1. $I_z = 26.7 \text{ mA}$, $R_L^{\min} = 87.5 \Omega$



With $V_{on} = 0 \text{ V}$, $V_{i1} = 7.5 \text{ V}$, $V_{o1} = 7.5 \text{ V}$, $V_{i2} = 21.25 \text{ V}$, $V_{o2} = 10 \text{ V}$

With $V_{on} = 0.7 \text{ V}$, $V_{i1} = 7.03 \text{ V}$, $V_{o1} = 7.73 \text{ V}$, $V_{i2} = 20.2 \text{ V}$, $V_{o2} = 10 \text{ V}$

