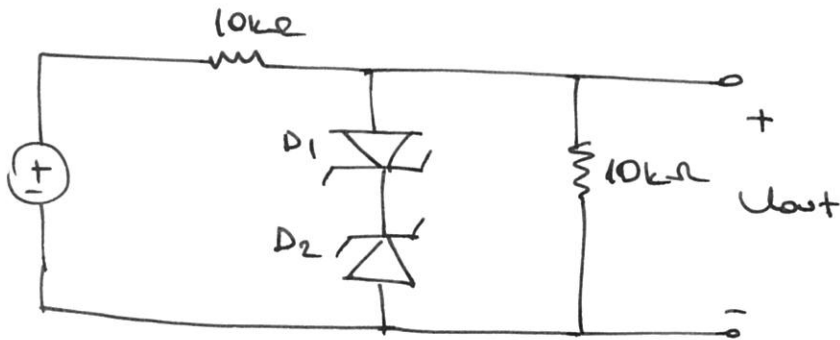


- ① Find the U_{out} versus U_{in} transfer characteristics of the following circuit. D_1 (zener voltage = 5.8V) (forward voltage = 0.5V), D_2 (zener voltage = 8.2V, forward voltage = 0.7V).



- ② If $U_{in} = 30 \sin(2\pi t)$, sketch the $U_{out}(t)$ for previous circuit, for two periods.