



$V_z = 10 \text{ V}$
 $V_i = 0.5 \text{ V}$
 $V_o = 10 \text{ V}$
 $R = 1 \text{ k}\Omega$
 $I_z = 10 \text{ mA}$

1) $I_1 = I_2 = I_z = 10 \text{ mA}$
 $I_2 = \frac{V_o}{R} = \frac{10}{1000} = 10 \text{ mA}$
 $I_1 = I_2 = 10 \text{ mA}$