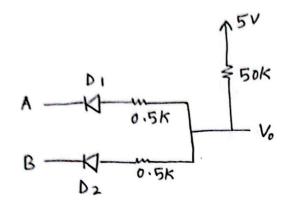
Azmani Sultana
Id 22201949
CSE350
Sec: 13



$$\Rightarrow \frac{V_0 - 0 - 0.7}{0.5} + \frac{V_0 - 0 - 0.7}{0.5}$$

$$= \frac{5 - v_0}{50}$$

$$\Rightarrow 2V_0 - 1.4 = \frac{0.5(5-V_0)}{50}$$

$$I_1 = \frac{V_0 - 0 - 0.7}{0.5} = \frac{0.72 - 0.7}{0.5} = 0.04 \text{ mA}$$

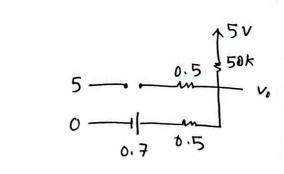
$$I_2 = \frac{V_0 - 0 - 0.7}{0.5} = \frac{0.72 - 0.7}{0.5} = 0.04 \text{ mA}$$

$$I_3 = \frac{5 - v_0}{50} = 0.0856 \text{ mA}$$

Pais = 
$$I_1^2(0.5) + I_2^2(0.5) + I_3^2(50) + 0.7I_1 + 0.7I_2$$
  
= 0.423968 mW

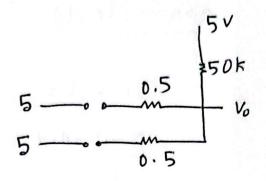
$$I_1 = \frac{V_0 - 0 - 0.7}{0.5} = 0.08 \text{ mA}$$

$$I_3 = \frac{5 - v_0}{50} = 0.0852 \text{ mA}$$



$$0=\frac{5-v_0}{50}$$

$$I3 = \frac{5 - V_0}{50} = 0$$



A(v)	B(v)	output voltage, vo (v)	Dissipated power (mw)
		0.72	0.423968
3	C market const	0.74	0.422152
F	2	0.74	0.422152
5	E	5	0
2	2	and the second	THE RESERVE THE PROPERTY OF TH