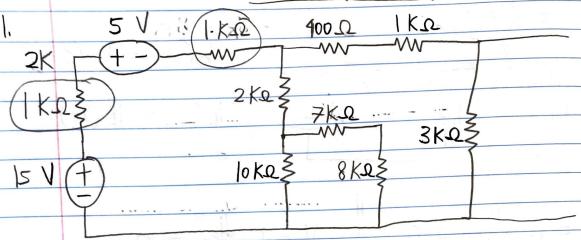
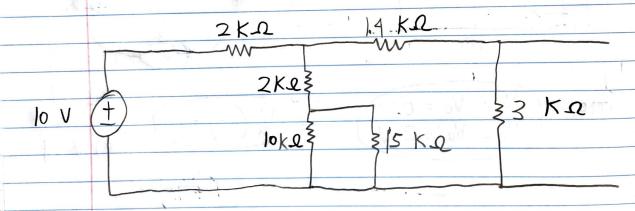
Name: Mulia Widjaja (Noble)

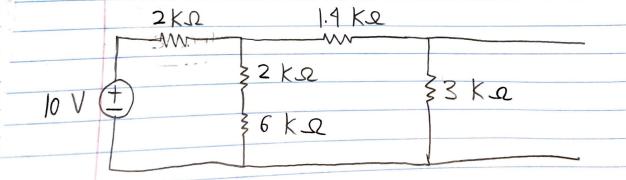




$$1+1=2$$
 $5V-5V=10V$
 $0.9+1=1.4$
 $7+8=15$



$$\frac{(10)(15)}{10+15} = \frac{150}{25} = 6$$



$$I_0 = 0$$

$$V_0 = \frac{R_L}{R_L + R_{th}} V_{in} = \frac{O}{O + 1173} (5.865) = O$$

$$I_0 = Rest of the circuit$$

$$= \frac{5.865}{1173}$$

$$= 5 \cdot 10^{-3} A$$

₹ RL = 500 1

$$\frac{V_0 = \frac{R_L}{R_L + R_W} V_{in}}{8L + R_W} = \frac{500}{500 + 1173} (5.865)$$

$$= 1.753 V$$

$$V_{in} = i (R_{H} + R_{L})$$

 $5.865 = i (1173 + 500)$
 $i = 3.506 \text{ mA}$