

$$V_{0} = 10 V_{0} \qquad V_{0} = V_{0} - 0.5 V - 5 V = -4.5 V$$

$$V_{0} = 0.5 V \qquad KVL : -20 V + V_{0A} - V_{0} + V_{0} = 0$$

$$V_{0A} = 20 V + V_{0} - V_{0}$$

$$= 20 V - 4.5 V - 0.5 V = 15 V$$

$$KGL \ \ Node \ \ a : -9A - 6A + i_{3} = 0$$

$$i_{3} = 15A$$

$$P_{del} : P_{10V_{0}} = -(10V_{0}) i_{3}$$

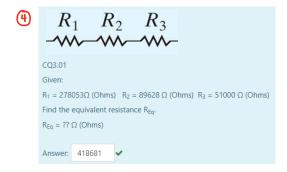
$$= -(5V)(15A) = -75 W$$

$$P_{0A} = -V_{0A}(9A)$$

$$-(15V)(9A) = -135 W$$

$$-210 W$$

KVL : - Va + Vg + Vo = 0



Vp : 5 V

