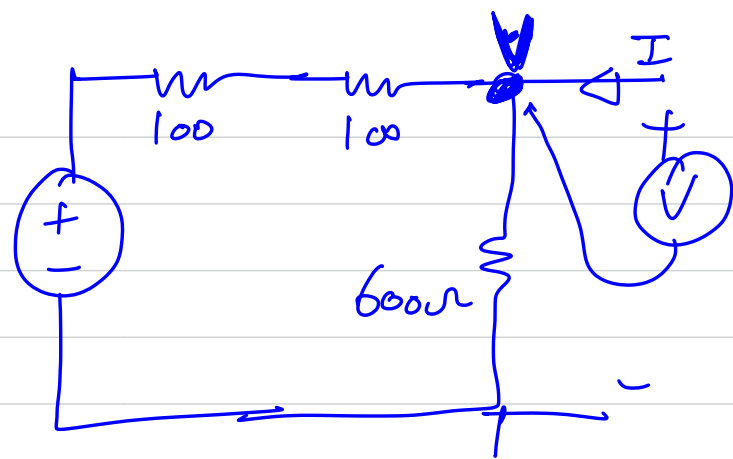
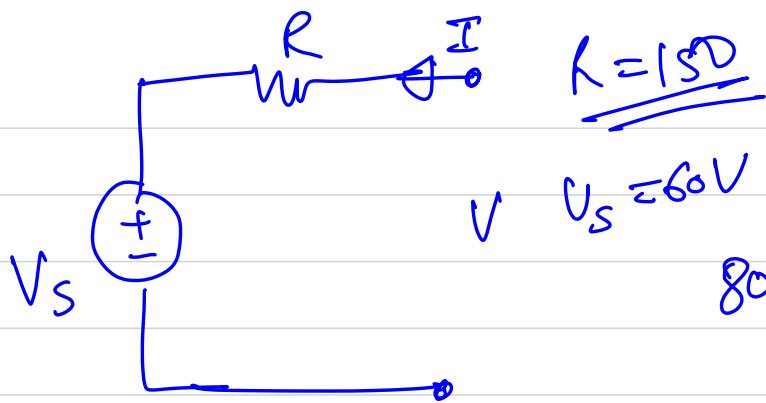


$$V = 6 + 2I$$

$$V = 2(3 + I) = 6 + 2I$$



same

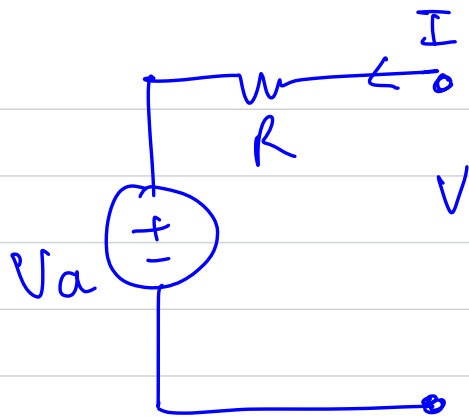
$$V = V_S + IR$$

$$I = \frac{V - V_S}{R}$$

$$I = \frac{V}{R} - \frac{V_S}{R}$$

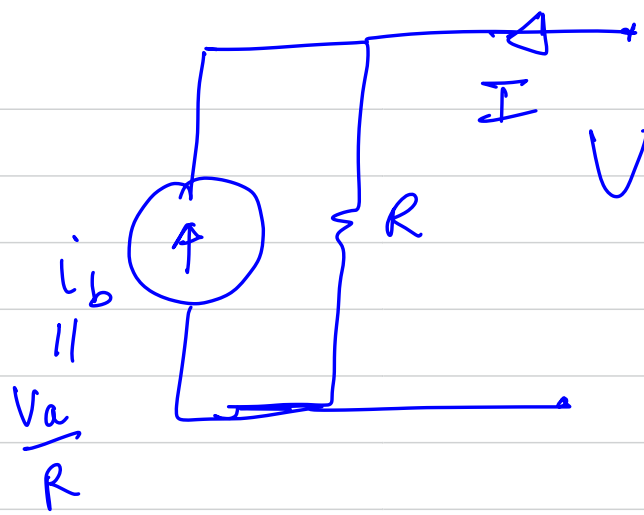
$$\frac{V}{600} + \frac{V - 80}{200} = I$$

$$\left[I = \frac{V}{150} - 0.4 \right]$$



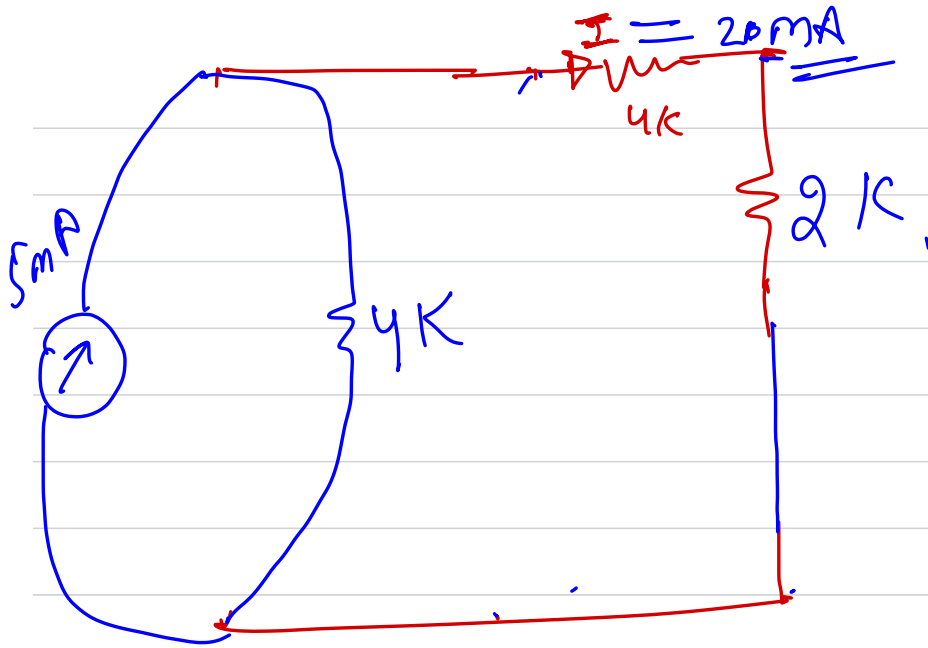
$$V = V_a + IR$$

$$\frac{V}{R} = \frac{V_a}{R} + I$$

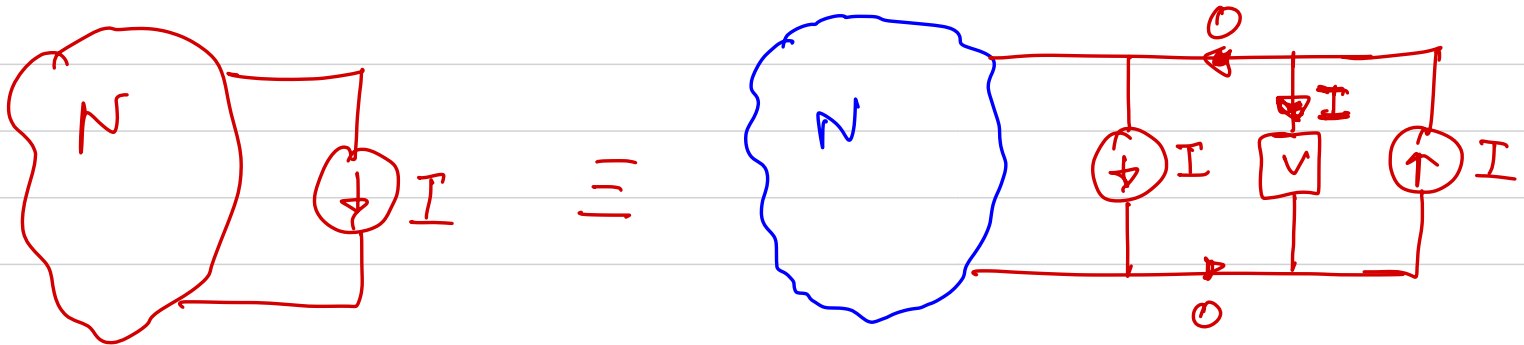
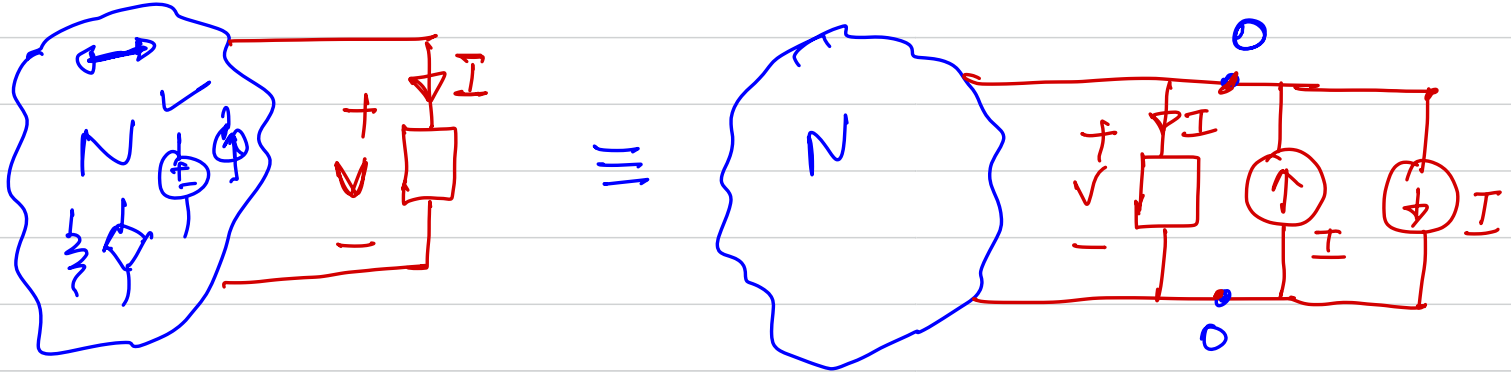


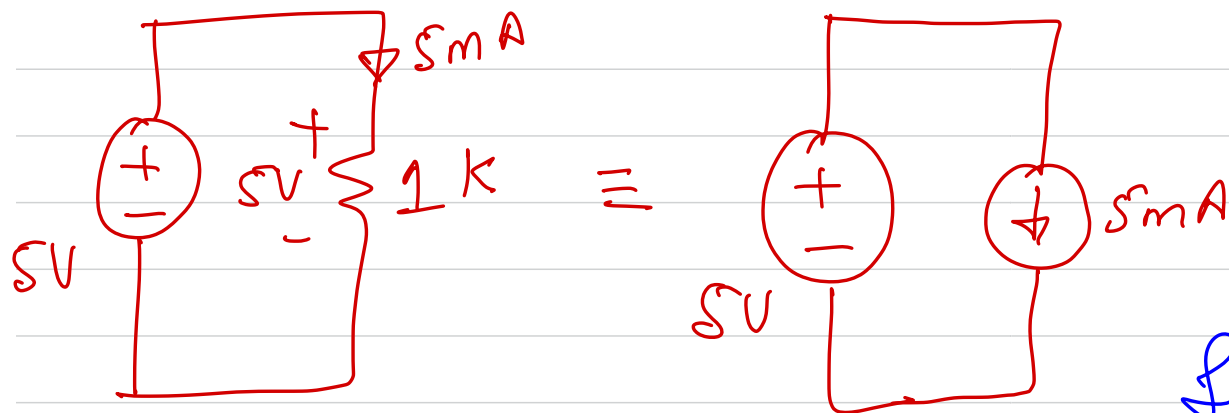
$$\frac{V}{R} = i_b + I$$

$$i_b = \frac{V_a}{R}$$

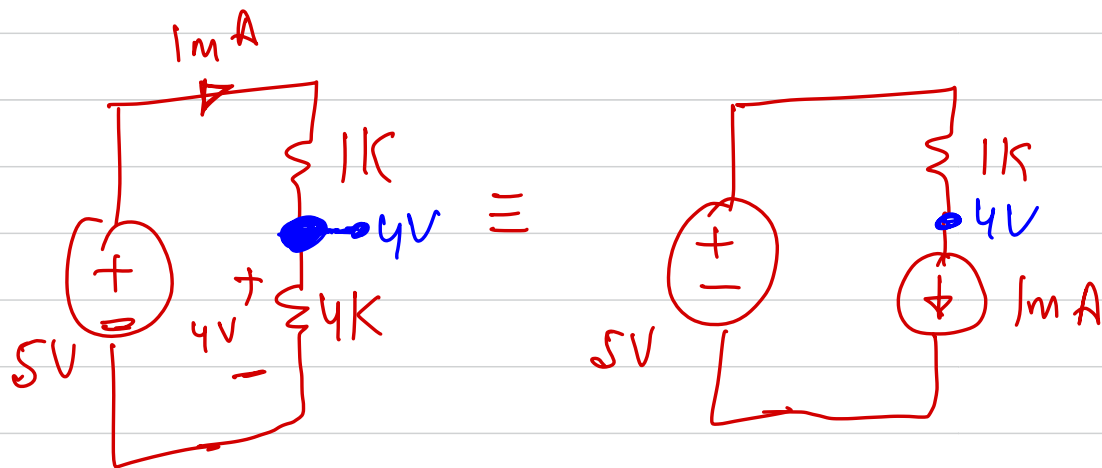


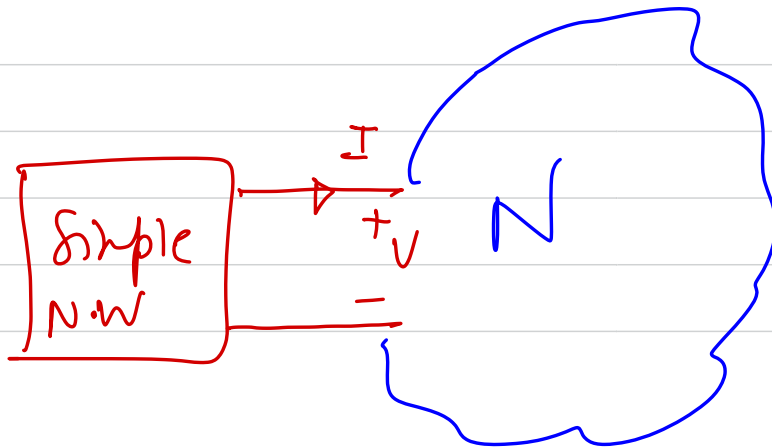
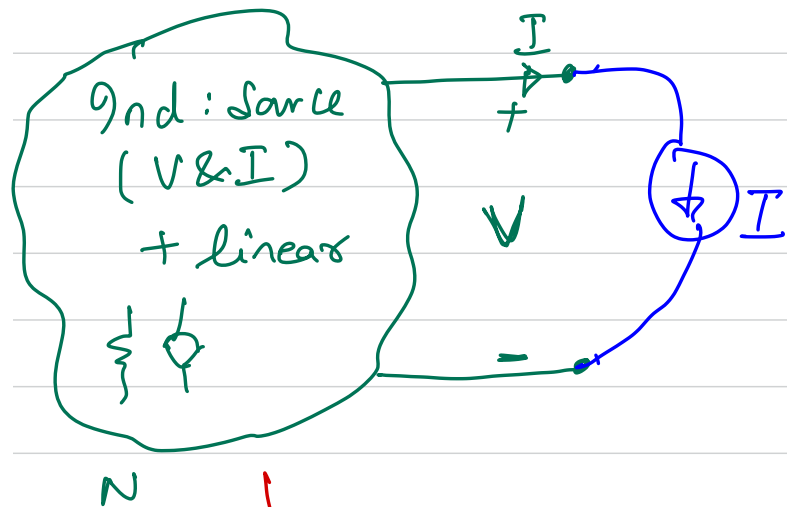
Thévenin Theorem

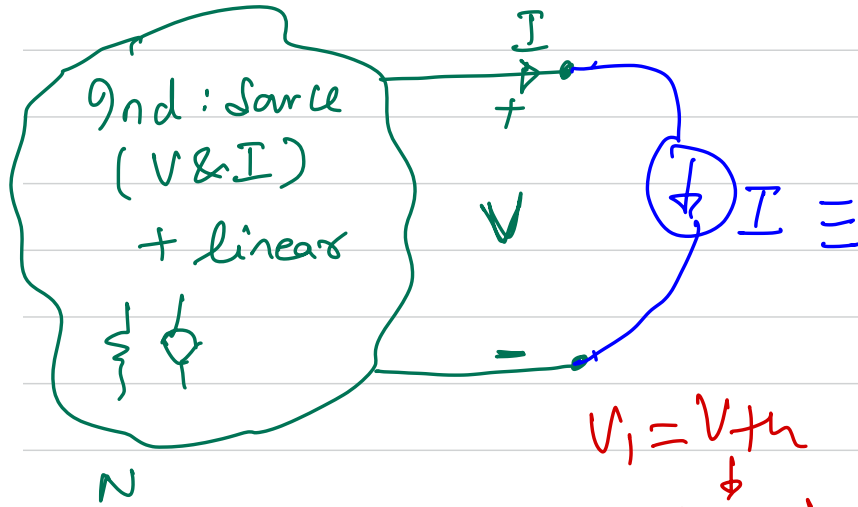




Substitution

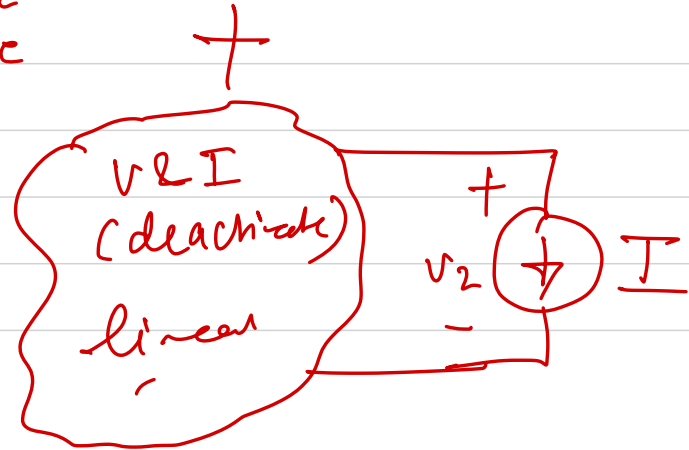
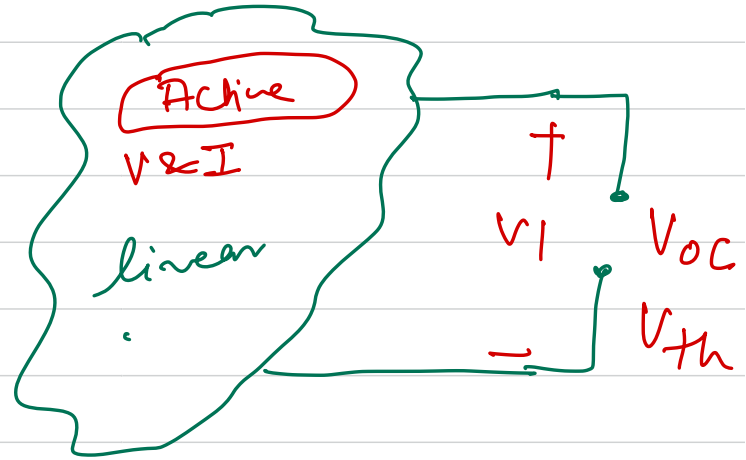


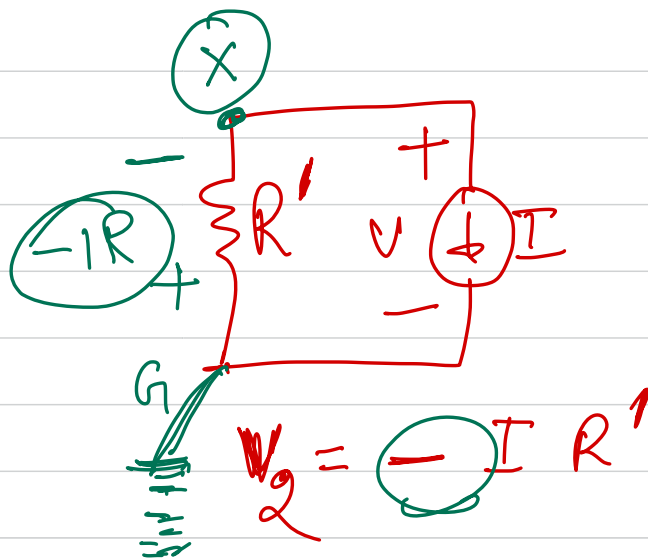
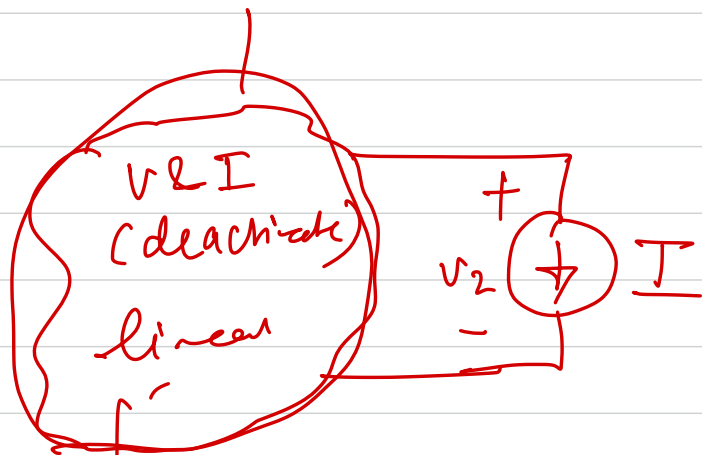




$V_1 = V_{th}$
 \downarrow
 Thevenin voltage

$V = V_1 + V_2$





$$V_{xG}$$

$$V_1 + V_2 = V_{th} - I R'$$

$$V_{xG} = V_x - V_G$$

