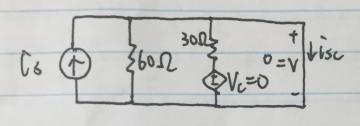


Find VTH, RTH, isc



$$\overline{l}_{3} = \frac{2V_{h} - V_{Th}}{30} = \frac{V_{Th}}{30}$$

$$\overline{l}_{3} = \frac{V_{Th}}{30} = \frac{V_{Th}}{30}$$

$$\overline{l}_{3} = \frac{V_{Th}}{60}$$

$$\overline{l}_{3} = \frac{V_{Th}}{60}$$

$$\bar{V}_2 = \frac{2V_1 - V_{Th}}{30} = \frac{V_{Th}}{30}$$

$$\bar{V}_1 = \frac{V_{Th}}{60}$$

$$kcL: -ist ii-iz = 0$$

$$= -is - \frac{Vth}{60} = 0$$

$$RTh = \frac{VTh}{USC} = -60 \Omega$$