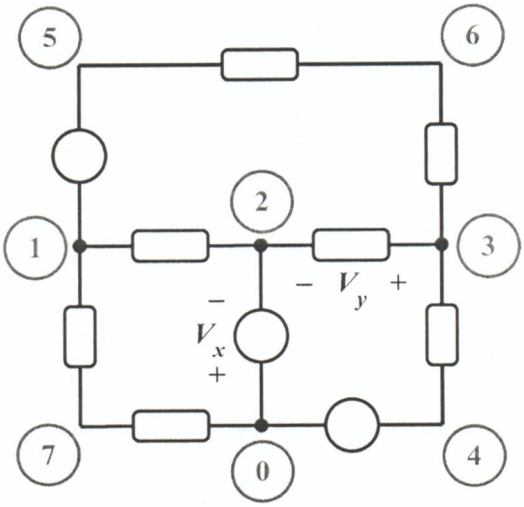
EE 2240

Problem #04

Given the circuit shown below, with $V_{10} = 2\,\text{V}$, $V_{20} = 4\,\text{V}$, $V_{30} = 7\,\text{V}$, $V_{40} = 11\,\text{V}$, $V_{50} = 16\,\text{V}$, $V_{60} = 22\,\text{V}$, and $V_{70} = 29\,\text{V}$:



a. Determine the value of V_x.

$$V_x = V_{02} = -V_{20} = -4\,\text{V}$$

b. Determine the value of V_y.

$$V_y = V_{30} - V_{20} = 7\,\text{V} - 4\,\text{V} = 3\,\text{V}$$