Example

- Node Voltage Analysis
  - Eg

P 4.3-3 Determine the values of the power supplied by each of the sources in the circuit shown in Figure P 4.3-3.

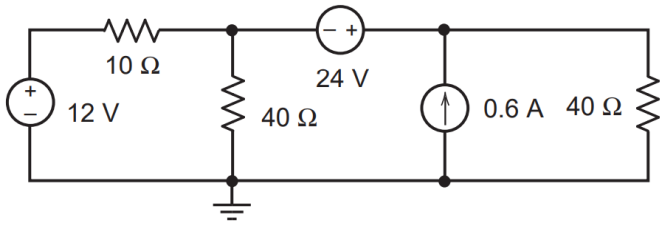


Figure P 4.3-3

- Superposition
  -

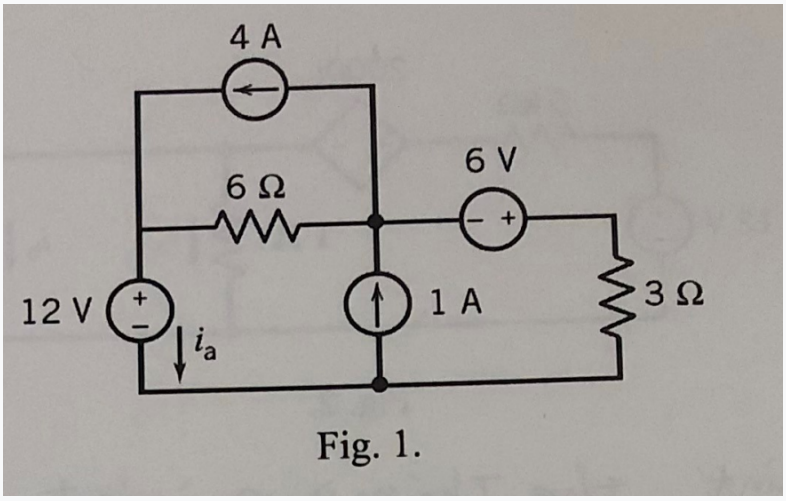


Fig. 1.

- Thevenin' s Theorem

P 5.4-11 For the circuit of Figure P 5.4-11, specify the value of the resistance R_L that will cause current i_L to be -2 A.

Answer: $R_L = 12\,\Omega$

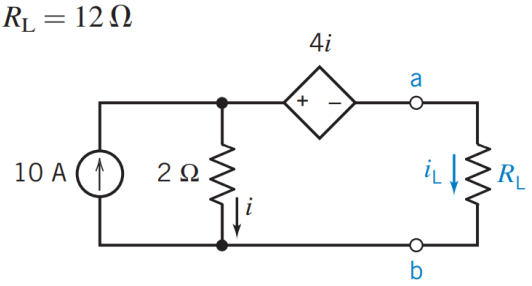
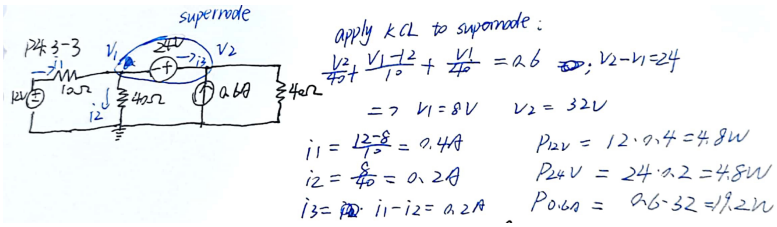
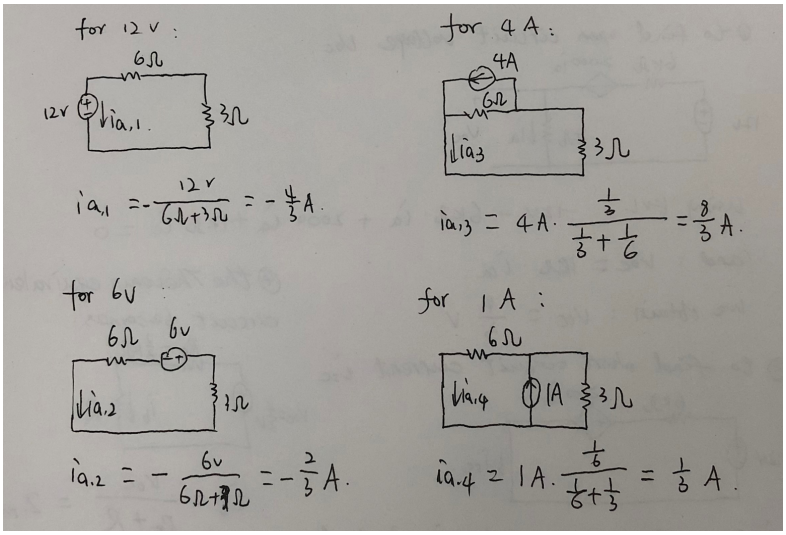


Figure P 5.4-11

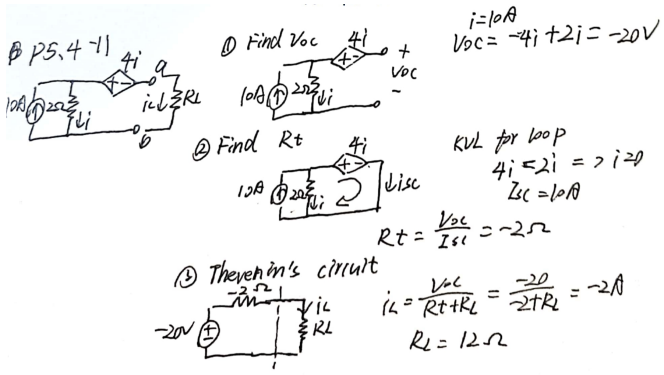
- Answer
  - Q1: P12 =4.8W; P24= 4.8W; P0.6=19.2W;



- Q2: 1A



- Q3: 12
  - Voc= -20V, Isc=10A; Rt=-2;



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