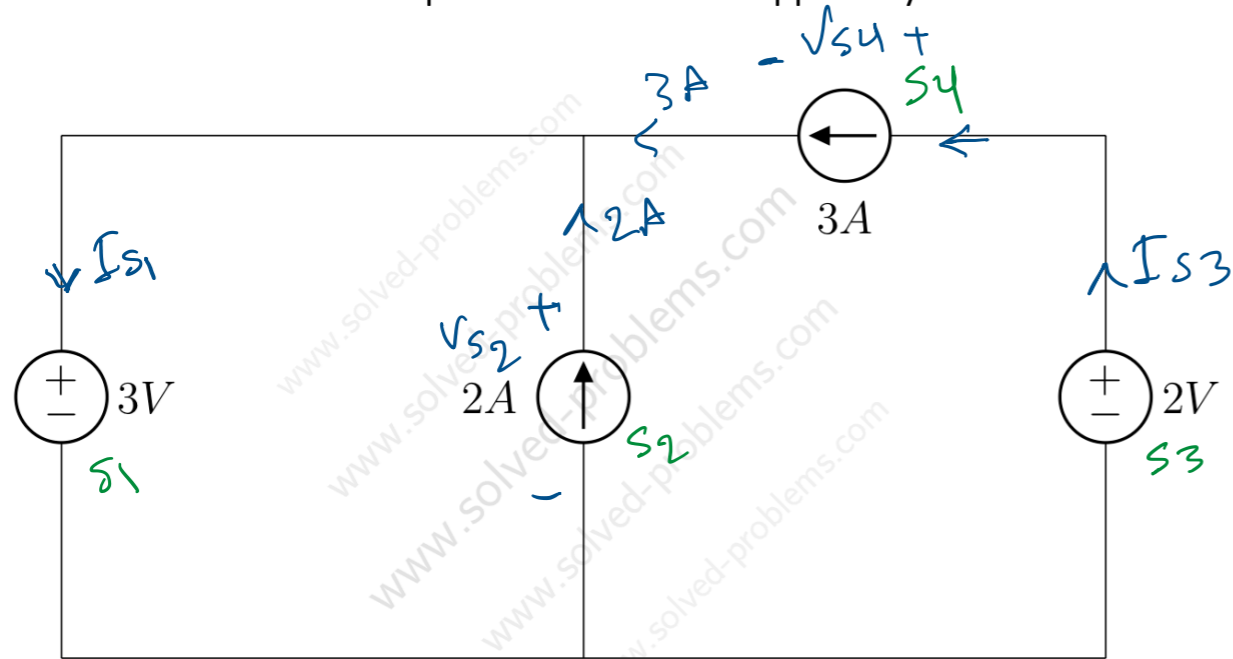


Determine the amount of power absorbed or supplied by each source.



$s_1$ :

$$I_{s1} = 2 + 3 = 5 \text{ A}$$

$$P_{s1} = I_{s1} \times V_{s1} = 5 \times 3 = 15 \text{ W} > 0 \rightarrow \text{absorbing power}$$

$s_2$ :

$$V_{s2} = 3 \text{ V}$$

$$P_{s2} = -I_{s2} \times V_{s2} = -2 \times 3 = -6 \text{ W} < 0 \rightarrow \text{supplying power}$$

$$s_3: I_{s3} = 3 \text{ A}$$

$$P_{s3} = -I_{s3} \times V_{s3} = -3 \times 2 = -6 \text{ W} < 0$$

supplying power ↙

$$s_4: \text{KVL: } -2 \text{ V} + V_{s4} + 3 \text{ V} = 0$$

$$\rightarrow V_{s4} = -3 + 2 = -1 \text{ V}$$

$$P_{s4} = I_{s4} \times V_{s4} = 3 \times (-1) = -3 \text{ W} < 0$$

supplying power ↙

$$P_{s1} + P_{s2} + P_{s3} + P_{s4} = 15 - 6 - 6 - 3 = 0$$