

1.1

9.

$$C + R = 9$$

$$C - R = 5$$

$$2R = 4$$

$$R = 2$$

$$C - 2 = 5$$

$$C = 5$$

14.

$$J + S = 20 + 4(J - S)$$

$$\Rightarrow J + S = 20 + 4J - 4S$$

$$\Rightarrow -3J + 5S = 20$$

$$2S = 40 + J$$

$$\Rightarrow -J + 2S = 40$$

$$\begin{array}{r} -3J + 5S = 20 \\ -2(-J + 2S = 40) \\ \hline -J + S = -60 \end{array}$$

$$\Rightarrow \begin{array}{r} -J + S = -60 \\ \hline S = J - 60 \end{array}$$

$$2S = 40 + J$$

$$\Rightarrow 2(J - 60) = 40 + J$$

$$\Rightarrow 2J - 120 = 40 + J$$

$$\Rightarrow J = 160$$

$$S = J - 60$$

$$\Rightarrow S = 100$$

22.

1.1

4.

6.

(a)

1.1

3.

(c)

(d)

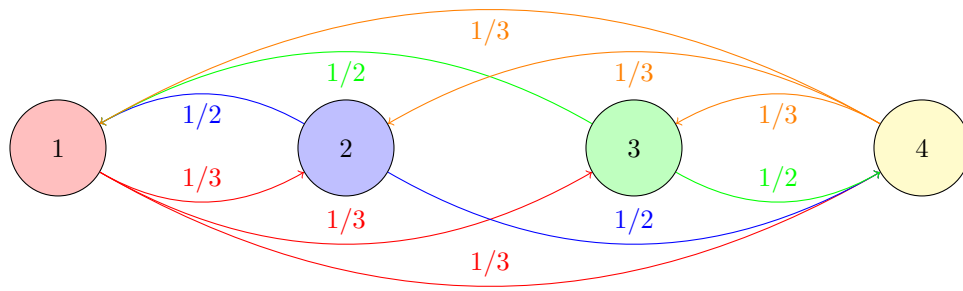
5.

(a)

(c)

8.

(a)



(b)