

$$b + c = 50$$

$$a + b = 45$$

$$a + c = 55$$

$$\begin{bmatrix} 0 & 1 & 1 & | & 50 \\ 1 & 1 & 0 & | & 45 \\ 1 & 0 & 1 & | & 55 \end{bmatrix}$$

$$\begin{bmatrix} 1 & 0 & 1 & | & 55 \\ 1 & 1 & 0 & | & 45 \\ 0 & 1 & 1 & | & 50 \end{bmatrix} \quad L2 \rightarrow L1 - L2$$

$$\begin{bmatrix} 1 & 0 & 1 & | & 55 \\ 0 & -1 & 1 & | & 10 \\ 0 & 1 & 1 & | & 50 \end{bmatrix} \quad L3 \rightarrow L2 + L3$$

$$\begin{bmatrix} 1 & 0 & 1 & | & 55 \\ 0 & -1 & 1 & | & 10 \\ 0 & 0 & 2 & | & 60 \end{bmatrix}$$

$$a + c = 55 \rightarrow a + 30 = 55$$

$$a = 25 //$$

$$-b + c = 10$$

$$2c = 60$$

$$2c = 60$$

$$c = 30 //$$

$$-b + 30 = 10$$

$$-b = -20 \cdot (-1)$$

$$b = 20 //$$

Recebem 75Kg de farinha.

$$\begin{array}{r} 25 \\ 20 \\ + 30 \\ \hline 75 \text{ Kg} \end{array}$$