

درستگاه

نکل می باید سارلری «بھولی درج اول رہوت است . هرگاه و مطالعہ دو مجموعی تجزیہ

اہریل مسکلہ کیم بیک دشمنہ درسوارلی دو مجموعی درج اول خواہی رہتی

$$\begin{cases} ax + by = c \\ a'x + b'y = c' \end{cases}$$

$$\begin{cases} rx - y = v \\ rx + ry = 1 \end{cases} \rightarrow rx - v = y \Rightarrow y = rx - v$$

$$\rightarrow rx + r(rx - v) = 1 \rightarrow rx + rv - v = 1$$

$$rvx - v = 1 \rightarrow rvx = v + 1 \rightarrow vx = \frac{v+1}{r}$$

$$x = \underline{v} \quad , \quad y = \underline{r(v+1)-v} = \underline{r-v} \rightarrow x = v , \quad y = -1$$

موس کاکتی
شال

$$\tilde{\frac{1}{1-x}} = \frac{\lambda}{\lambda-x} - 1 = \left(\frac{\lambda}{\lambda-x}\right)\lambda - 1 = R$$

$$1 = x_0 + x_1 + x_2 + \dots + x_n \quad \Rightarrow \quad 1 = (\lambda x_1 - 1) + \lambda x_2 + \dots + \lambda x_n$$

$$\lambda x_1 - \frac{\lambda}{\lambda-x} = R \quad \Rightarrow \quad x_1 - \lambda = R \quad \Rightarrow \quad x_1 = \lambda - R$$

$$\left. \begin{aligned} x_1 &= \lambda - R \\ x_2 &= \lambda - R \\ &\vdots \\ x_n &= \lambda - R \end{aligned} \right\}$$

جواب مسأله ۱۰

حل:

$$\tilde{1} = \frac{\lambda}{\lambda-x} = R \quad \Rightarrow \quad R_1 = \lambda - 1 \quad \Rightarrow \quad \lambda = R_1 + 1$$

$$1 = \lambda x \quad \Rightarrow \quad \lambda = \lambda x + 1 \quad \Rightarrow \quad \lambda = \lambda x + \lambda - \lambda$$

$$\lambda = \left(x \frac{\lambda}{\lambda-x} - 1 - \left(\frac{\lambda}{\lambda-x}\right)\lambda\right) \lambda - \lambda$$

$$\begin{cases} 1 = R_1 + x_1 \\ 1 = R_1 - x_1 \end{cases} \quad \Rightarrow \quad x_1 = R_1 \quad \Rightarrow \quad \lambda = R_1 + x_1$$

جواب مسأله ۱۱

حل:

مثال:

لـ $\begin{cases} 3x - 4y = 1 \\ 2x + 3y = 11 \end{cases}$ مـ $\begin{cases} 3x - 4y = 1 \\ 2x + 3y = 11 \end{cases}$

الـ $\begin{cases} 3x - 4y = 1 \\ 2x + 3y = 11 \end{cases}$

$$\left\{ \begin{array}{l} 3x - 4y = 1 \\ 2x + 3y = 11 \end{array} \right. \quad \left\{ \begin{array}{l} x = R \\ y = S \end{array} \right.$$

$$\left\{ \begin{array}{l} 3x - 4y = 1 \\ x - y = V \end{array} \right. \quad \left\{ \begin{array}{l} x = R \\ y = S \end{array} \right.$$

$$\left\{ \begin{array}{l} 3x + b = 11a \\ 2x + a = 9a \end{array} \right. \quad \left\{ \begin{array}{l} x = R \\ y = S \end{array} \right.$$

$$\left\{ \begin{array}{l} 3a + b = 11a \\ 2a + b = 9a \end{array} \right. \quad \left\{ \begin{array}{l} a = R \\ b = S \end{array} \right.$$

$$\left\{ \begin{array}{l} 3x - 4y = 1 \\ x - y = V \end{array} \right. \quad \left\{ \begin{array}{l} x = R \\ y = S \end{array} \right.$$