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شماره اشتراک

$$m = \frac{r(-r)}{r-\alpha} = -r \quad y = -rx + 1r$$

الف) $m = \frac{y_A - y_B}{x_A - x_B} = \frac{\alpha - \varepsilon}{-r - r} = -\frac{1}{r}$ $y - r = -\frac{1}{r}(x - \varepsilon) \rightarrow y - r = -\frac{1}{r}x + \frac{1}{r}\varepsilon \rightarrow y = -\frac{1}{r}x + 1r$

ب) $rx + y + c = 0$ $\varepsilon + r\varepsilon = 1r \rightarrow y = -rx + 1r$ $y = -rx + 1\varepsilon$

ج) $m = \frac{-1}{r} \rightarrow m' = r$ $y - r = r(x - \varepsilon) \rightarrow y - r = rx - 1\varepsilon \rightarrow y = rx + 1$

د) $\tan \frac{\pi}{r} = \sqrt{r} \rightarrow y - r = \sqrt{r}(x - \varepsilon) = 0 \rightarrow y - r = \sqrt{r}x - \varepsilon\sqrt{r} \rightarrow y = \sqrt{r}x - \varepsilon\sqrt{r} + r$

و) $d = \frac{\sqrt{(x_A - x_B)^2 + (y_A - y_B)^2}}{\sqrt{r^2 + \varepsilon^2}} = \frac{\sqrt{r^2 + \varepsilon^2}}{\sqrt{r^2 + \varepsilon^2}} = 1$

ز) $d = \frac{|ax + by + c|}{\sqrt{a^2 + b^2}} = \frac{|4 + 12 - r|}{\omega} = \frac{15}{\omega} = r$

ح) $ax + by + \frac{c+c}{r} \rightarrow rx + 4y + \frac{-A-1r}{r} \rightarrow \varepsilon x + 4y - 1c$

ط) $d = \frac{|10 - \varepsilon|}{\sqrt{a^2 + b^2}} = \frac{|12 - 1|}{\sqrt{r^2 + 14}} = \frac{r}{\sqrt{14}}$

$\frac{|ax + by - c|}{\sqrt{a^2 + b^2}} = \frac{|r'x + b'y + c'|}{\sqrt{a'^2 + b'^2}} \rightarrow \frac{|rx - ry - 1|}{\sqrt{9 + \varepsilon}} = \frac{|rx + ry = r|}{\sqrt{\varepsilon + 9}}$

$rx - ry - 1 = rx + ry - r \rightarrow x - \omega y + r = 0$

$rx - ry - 1 = -rx - ry + r \rightarrow \omega x + y - \varepsilon = 0$

$\tan \alpha = \left| \frac{m - m'}{1 + mm'} \right| = \left| \frac{r + r}{1 - 4} \right| = \frac{\alpha}{\omega} = 1 \rightarrow \alpha$

$y + rx = r$ $m = -r$ $y - rx = \alpha$ $m = r$ $1r = -\varepsilon\alpha + 1r\alpha$

$$\text{الف)} \sqrt{(k_A - k_B)(y_A - y_B)} = \sqrt{4 \times 10^4} = \sqrt{1} = 1.$$

$$\text{ب)} \mu = \begin{vmatrix} \frac{k_A + k_B}{r} \\ \frac{y_A + y_B}{r} \end{vmatrix} = \mu \begin{vmatrix} \frac{\mu + 0}{r} \\ \frac{\epsilon + r}{r} \end{vmatrix} = \mu(-51)$$

$$\text{الف)} G = \begin{vmatrix} \frac{k_A + k_B + k_C}{\mu} \\ \frac{y_A + y_B + y_C}{\mu} \end{vmatrix} \rightarrow G \begin{vmatrix} -\mu \\ -\mu \end{vmatrix}$$

$$\text{ب)} \begin{vmatrix} -10 & -13 & 1 \\ -1 & \mu & 1 \\ \mu & 1 & 1 \end{vmatrix} \rightarrow -10\mu - 13 - 1 - 9 - 24 + 10 = -94$$

$$\frac{1}{r} \times 99 = \epsilon_A$$

$$\text{الف)} \rightarrow -y \rightarrow -y = \frac{r_k + 1}{\epsilon_k - r} \rightarrow y = \frac{-r_k - 1}{\epsilon_k - r}$$

$$\text{ب)} \rightarrow -r \rightarrow y = \frac{-r_k + 1}{-\epsilon_k - r}$$

$$\text{ج)} \rightarrow k = \frac{r_y + 1}{\epsilon_y - r} \rightarrow y = \frac{r_k + 1}{\epsilon_k - r}$$

$$\text{د)} \rightarrow -k = \frac{-r_y + 1}{-\epsilon_y - r} = k = \frac{r_y - 1}{-\epsilon_y - r} \rightarrow y = \frac{r_k - 1}{-\epsilon_k - r}$$

$$\begin{aligned} \text{الف) } k' \cdot n - a &\rightarrow k' \cdot n + r \\ y' \cdot g - \beta &\rightarrow y \cdot y' - \beta \rightarrow y \cdot \frac{r n + 1}{k' - r} = r, \frac{r(n' + r) + 1}{(k' + r) - r} \\ y = r &= \frac{r n' + a}{k' - 1} \Rightarrow y = \frac{r n' + a}{k' - 1} + r \rightarrow y = \frac{a n' + r}{k' - 1} \end{aligned}$$

(5)

$$\begin{aligned} \text{ب) } k - n + r &= y' + r = y' + r = \frac{r(n' + r) + 1}{k + r - r} = \frac{r n' + r + 1}{k'} \rightarrow y = \frac{r n' + r}{k'} - r \\ y' &= \frac{r n' + r - r n'}{k'} \Rightarrow y = \frac{r}{k'} \end{aligned}$$

$$\begin{aligned} r k + \varepsilon y &= r \\ k - \omega y &= 1 \rightarrow k - r \rightarrow \frac{r k + \varepsilon y = r}{-r k + 1 \omega y = -r} \\ 19 y &= -1 \rightarrow y = -\frac{1}{19} \rightarrow k = \frac{1 \varepsilon}{19} \end{aligned}$$

(1, 20)

$$\begin{aligned} r k + \varepsilon y &= r \\ k - \omega y &= 1 \\ k &= -\frac{1 \varepsilon}{-19} \quad y = \frac{1}{-19} \rightarrow k = \frac{1 \varepsilon}{19} \quad y = -\frac{1}{19} \\ x &= -\frac{F - (-1)}{-10 - F} \quad y = \frac{r - 1}{-10 - F} \end{aligned}$$

این کادر قابل زشته شود