

$\alpha = \pi$
 $\beta = 3\pi$

19.5

$\alpha = \frac{1}{\pi} + \beta = 2 = \frac{1}{\pi} \quad \alpha = 1$
 $\alpha = \frac{1}{\pi} + \beta = -2 = -\frac{1}{\pi} \quad \alpha = -1$

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$3\pi \times \pi = 3\pi^2$

$3\pi^2 = \frac{1}{\pi}$

$\pi^2 = \frac{1}{9}$

$\pi = \frac{1}{3}$

$\pi = -\frac{1}{3}$

$1 - (-1) = 16 \checkmark$

$\alpha \rightarrow \frac{1}{\sqrt{\alpha}}$

$\frac{1}{\sqrt{\alpha}} + \frac{1}{\sqrt{\beta}} = \omega$

$\frac{\sqrt{\beta} + \sqrt{\alpha}}{\sqrt{\alpha\beta}} = \omega$

$\sqrt{\beta} + \sqrt{\alpha} = \omega \sqrt{\alpha\beta}$

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$\beta \rightarrow \frac{1}{\sqrt{\beta}}$

$\sqrt{\beta} + \sqrt{\alpha} = \frac{\omega}{\beta}$

$\beta + \alpha + 2\sqrt{\alpha\beta} = \frac{2\omega}{\beta}$

$\beta + \alpha = \frac{13}{\beta}$

$m+1\pi = 13 \quad m = -1$

$-x^2 + 3x + 2 = 0$

$\alpha\beta = -2 \checkmark$

$a\pi^2 + b\pi + c\pi + d = 0$

$\alpha + \beta + T = -\frac{b}{a}$

$\alpha\beta + \alpha T + \beta T = \frac{c}{a}$

$\alpha\beta T = -\frac{d}{a}$

$a = 1$
 $b = 1$
 $c = -7$
 $d = -2$

$\alpha\beta T = \frac{1}{\pi}$

$-2(T) = \frac{1}{\pi}$

$T = -\frac{1}{\pi}$

$\alpha + \beta = 1$

$\alpha\beta = -2$

$\alpha + \beta + T = -\frac{k}{\pi}$

$T = -\frac{k}{\pi} - 1$

$-\frac{k}{\pi} - 1 = -\frac{1}{\pi}$

$\frac{k}{\pi} = \frac{1}{\pi} \Rightarrow k = 1$

$k = -3 \checkmark$

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$2, \omega \alpha^2 + 2, \omega \beta^2 + 0, \omega \alpha^2 - 0, \omega \beta^2$

$2, \omega (36 - 2a) + 0, \omega (\alpha^2 - \beta^2)$

$90 - \omega a + 3\sqrt{36 - 2a}$

$a = 1 \checkmark$

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$x^2 - 7x + \omega = 0$

علاقت b به تغییر می کند

$x = \frac{7 \pm \sqrt{49 - 4\omega}}{2}$

$b = \sqrt{\Delta}$

$s = 0$

$\frac{7 + \sqrt{49}}{2}$

$\frac{7 - \sqrt{49}}{2}$

$\frac{7}{2}$

باید جدا بشی!

$2p^2 = 2 \times \frac{-49 - \sqrt{49 - 4\omega} - \sqrt{49 - 4\omega} - 49}{4} = \frac{-111 - 14\sqrt{49 - 4\omega}}{2} = +59 + 14\sqrt{49 - 4\omega}$

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$$\alpha + \beta = \frac{-\alpha}{\gamma\alpha} = \frac{-1}{\gamma}$$

$$\left[\frac{-\gamma \times 1}{\gamma} \right] = -\gamma \quad \checkmark$$

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$$\alpha + \beta + 1 = \frac{-1}{\gamma} + 1 = \frac{1}{\gamma} = \frac{a}{\gamma} \quad a = 1$$

$$\alpha\beta = -\gamma$$

$$\frac{b}{\gamma} = -\gamma \quad b = -\gamma$$

$$(\alpha + 0.1\omega)(\beta + 0.1\omega) = \alpha\beta + 0.1\omega\alpha + 0.1\omega\beta + 0.1\omega^2 = -\gamma - \frac{1}{\gamma} + \frac{1}{\gamma} = -\gamma$$

$$\gamma_0\alpha^r + \gamma_0\beta^r + \gamma_0\beta^r - \gamma_0\beta = 1V$$

$$\gamma_0a + \gamma_0b = 1V_a$$

$$\gamma_0b = -\gamma_a$$

$$-\gamma_0b = a$$

$$-\gamma_0b\pi^r + \gamma_0b\pi - b = 0$$

$$\sqrt{s^r - \gamma p} = \sqrt{1 - \frac{1}{\omega}} = \sqrt{\frac{\gamma}{\omega}}$$

$$\boxed{\frac{\gamma}{\sqrt{\omega}}} \quad \checkmark$$

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$$\gamma_0(\alpha^r + \beta^r) + \gamma_0\beta(B-1) = 1V$$

$$\alpha + \beta = 1$$

$$B-1 = -\alpha$$

$$\gamma_0\left(1 + \frac{\gamma b}{a}\right) + \gamma_0\left(\frac{b}{a}\right)$$

$$\gamma_0\left(1 + \frac{\gamma b}{a}\right) = 1V$$

$$\gamma_0 + \frac{\gamma_0 b}{a} = 1V$$

$$x \quad x + \gamma$$

$$x^r + \gamma x = a$$

$$\gamma x + \gamma = a + 1$$

$$x^r + \gamma x = \gamma x + 1$$

$$x^r - 1 = 0$$

$$x = 1V$$

$$y \quad y + \gamma$$

$$y^r + \gamma y = b$$

$$\gamma y + \gamma = \gamma a + 1$$

$$1, \gamma$$

$$\gamma y + 1 = \gamma x + \gamma$$

$$\gamma y = \gamma x + \gamma$$

$$y = x + 1$$

$$y = \gamma$$

$$(\gamma \times \gamma) - (1 \times \gamma) = \gamma \quad \checkmark$$

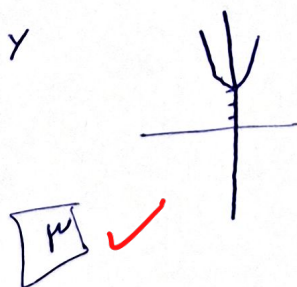
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$$\alpha^r + \beta^r = s^r - \gamma p = 1 + \gamma + \gamma m^r$$

$$\gamma m^r + \gamma = \gamma$$

$$\frac{-b}{\gamma a} = 0 \quad y = \gamma$$



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$$\frac{-b}{\gamma a} = -1$$

$$b = \gamma a$$

$$a x^r + b x + c$$

$$a x^r + \gamma a x + c$$

$$a - \gamma a + c = 1$$

$$c = 1 + a$$

$$a x^r + \gamma a x + a + 1$$

$$s^r - \gamma p$$

$$p = \frac{a+1}{a}$$

$$\gamma + \frac{-\gamma a - \gamma}{a} = \omega$$

$$a = -\gamma a - \gamma$$

$$\gamma a = -\gamma$$

$$a = \frac{-\gamma}{\gamma}$$

$$c = 1 + a = 1 - \frac{\gamma}{\gamma} = \boxed{\frac{1}{\gamma}} \quad \checkmark$$

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