

$$-\frac{1}{2} = a(n-2)^2 + 4$$

$$x \Rightarrow y$$

$$0 \Rightarrow -\frac{1}{2} \times \frac{1}{2} = 4, \epsilon \checkmark$$

$$\frac{1}{2}(n^2 + \epsilon + (-\epsilon n))$$

$$-\frac{n^2}{2} + \epsilon n = -\frac{n^2}{2} + \epsilon$$

$$n^2 - (\epsilon a + 4)n + (2a^2 - 4a + 2) = 0$$

کیرشده
دکتره؟

$$x - na - x + 2a^2 + 4a + 2 = 0$$

$$2a^2 - 4a - 1 \Rightarrow a < \frac{1}{2}$$

$$\Delta > 0 \Rightarrow 1 < a \Rightarrow n^2 - 1n + (2a^2 - 4a + 2)$$

$$4a^2 - 4(1a) > 0 \checkmark \quad \sigma_c \quad a \checkmark$$

$$n^2 - 1n + 12 \quad (n-2)(n-6)$$

$$\frac{1}{2} \Rightarrow \frac{4}{2}$$

$$n^2 - \frac{1}{2}n + \frac{6}{2} = 0 \quad \Delta = \frac{1}{4} - \frac{12}{2} = \frac{1}{4}$$

$$n = \frac{\frac{1}{2} \pm \frac{1}{2}}{2} \Rightarrow n_1 = \frac{2}{2} \quad n_2 = 2$$

حسب معكوس صفرهای نسبی

$$\frac{a+b}{ab} = \frac{1}{a} + \frac{1}{b}$$

$$\frac{\frac{1}{2}}{-\frac{1}{2}} = 1 \Rightarrow \frac{-\frac{1}{2}}{-\frac{1}{2}} = 1 \quad \text{ع} \quad \frac{\epsilon}{-1} = -\frac{1}{2}$$

$a = 2$ $\Rightarrow \frac{-1}{2(a-1)} = 2 \Rightarrow \frac{-1}{2(2-1)} = 2 \Rightarrow \frac{-1}{2} = 2 \Rightarrow a = 2$ (5)
 $\Rightarrow (a-1)a^2 + a = 2 \Rightarrow (2-1)2^2 + 2 = 2 \Rightarrow 1 \cdot 4 + 2 = 2 \Rightarrow 6 = 2$ (4)
 $\Rightarrow -a^2 + 4a + 4 \Rightarrow (a+2)(a-2) \Rightarrow \frac{-4}{-1} \frac{4}{-1} \Rightarrow 4, -2 \Rightarrow (4)$

$\Delta = mn^2 - 4n + m$ $m > 0$
 $\Delta > 0 \Rightarrow mn^2 - 4n + m > 0 \Rightarrow mn^2 > 4n - m \Rightarrow \frac{4n - m}{n^2} < m$
 $\Rightarrow \frac{4}{n} - \frac{1}{n} < m \Rightarrow \frac{3}{n} < m \Rightarrow m > \frac{3}{n}$ (5)
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$a+b \Rightarrow \frac{3-\sqrt{5}+\sqrt{5}}{2} \Rightarrow (7)$
 $a+b \Rightarrow \frac{3-\sqrt{5}}{2} \times \frac{3+\sqrt{5}}{2} = \frac{9-5}{4} = \frac{4}{4} = 1$ (5)
 $(a^2 - 4a + 4)^2 \Rightarrow a^2 - 4a + 4$

$a^2 - 4a + 4 = 0 \Rightarrow a^2 - 4a + 4 = 0 \Rightarrow (a-2)^2 = 0 \Rightarrow a = 2$
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