

در عبارت

$$2x - y + 1 = 0 \quad y + 3 = 0$$

$$y + 3 = 0 \Rightarrow y = -3$$

$$2x - (-3) + 1 = 0 \quad 2x + 4 = 0 \quad 2x = -4 \quad x = -2$$

$$\sum_{i=1}^n \frac{1}{i^2} = \frac{1}{1^2} + \frac{1}{2^2} + \frac{1}{3^2} + \dots + \frac{1}{n^2}$$

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$$\frac{x}{a} = \frac{1}{a-1} + \frac{2}{a-1} + \frac{3}{a-1} + \dots + \frac{n}{a-1}$$

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$$\log x + y = \frac{1}{x} \times \frac{1}{y} = 1$$

$$\frac{1}{x} \times \frac{1}{y} = 1 \Rightarrow \frac{1}{xy} = 1 \Rightarrow xy = 1$$

$$\log x + y = 1$$

$$a > 1 \quad m > n \quad a^m > a^n$$

$$0 < a < 1 \quad m > n \quad a^m < a^n$$

$$a < b \Rightarrow a^m < b^m$$

$$2 < 3 \Rightarrow 2^2 < 3^2$$

$$(-2)^2 < (-1)^2 \Rightarrow 4 < 1$$

$$(1/2)^2 < (1/3)^2 \Rightarrow 1/4 < 1/9$$

$$(-2)^2 < (-1)^2 \Rightarrow 4 < 1$$

$$3^2 < 2^2 \Rightarrow 9 < 4$$

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$$\frac{1}{1+3^{100}} > \frac{1}{1+3^{99}}$$

$$2^9 > 8$$

$$2^9 > 8 \Rightarrow 512 > 8$$