

بازرسی

$$y = -x^2 + bx + c$$

$$a \left(\frac{-b}{2a} \right)^2 + b \left(\frac{-b}{2a} \right) + c$$

$$\text{مثلاً} \rightarrow x = \frac{-b}{2(-1)} = \frac{b}{2}$$

$$y = -\left(\frac{b}{2}\right)^2 + b \cdot \frac{b}{2} + c$$

$$y = -\frac{b^2}{4} + \frac{b^2}{2} + c$$

$$y = \frac{b^2}{4} - \frac{b^2}{4} + c$$

$$y = \frac{b^2}{4} + c$$

$$\frac{b^2}{4} + c = v$$

$$\frac{b^2}{4} = p$$

$$b^2 = 4p$$

$$b = \pm 2\sqrt{p}$$