

$$\frac{-\Delta}{f_a} = -\frac{(14f - 20m^2 + f)}{f_m} = 2 \rightarrow \frac{20m^2 - 14m - 14f}{f} = 0 \rightarrow \Delta m^2 - 2m - 3f = 0 \quad -6$$

$$m^2 - 2m - 14 = 0 \rightarrow \frac{14}{(m-14)} \cdot \frac{11}{(m+11)} = 0 \rightarrow \frac{11}{\Delta} \rightarrow \text{سعی می کنیم}$$

$$y = 2x^2 - 11x + 14 \rightarrow -b = \frac{11}{2} = 5.5 \rightarrow \text{مقدار}$$

$$\alpha \beta = a^2 \rightarrow \alpha \beta = \frac{1}{a} = 2a - 1 \rightarrow a^2 = 2a - 1 \quad -7$$

$$a^2 - 2a + 1 = 0 \Rightarrow (a-1)^2 = 0 \rightarrow a = 1 \quad x^2 + (x+1) = 0 \rightarrow x = -\frac{1 \pm \sqrt{1-4}}{2}$$

$$x = -1 \pm \sqrt{2} \rightarrow \sqrt{2}-1, \sqrt{2}+1 \quad (a=1)$$

$$x^2 = t \rightarrow t^2 - vt - \Delta = 0 \rightarrow t = \frac{v \pm \sqrt{v^2 + 4\Delta}}{2} \rightarrow t = \frac{v + \sqrt{49}}{2} \quad -1$$

$$x = \pm \frac{\sqrt{v + \sqrt{49}}}{2} \rightarrow S = 0 \quad 2p^2 = 5p + 5 = 2p^2 \rightarrow \frac{(v + \sqrt{49})^2}{4} = \frac{11 + 14\sqrt{49}}{4}$$

$$\frac{b}{f_a} = \frac{f}{f_k} = \frac{f}{k} \quad Kx(\frac{f}{k}) - f_x(\frac{f}{k}) - y = \frac{f}{k} - \frac{1}{k} - y = -\frac{f}{k} - y \quad -9$$

$$-fx - f \frac{x_2 f}{k} \rightarrow y = -\frac{1}{k} - f \quad -\frac{1}{k} - f = -\frac{f}{k} - y \rightarrow -f = -f \rightarrow k = 2$$

$$y = 2a^2 - 5x - y \rightarrow -\frac{b}{f_a} = \frac{f}{k} = \frac{f}{2} = 1 \rightarrow y = 2 - f - y = -1 \Rightarrow y = -1$$

$$-mx^2 + mnx + 1 = -m - x \rightarrow -mx^2 + mnx + m + x + 1 = 0 \Rightarrow mn^2 - (m+1)x - m - 1 = 0 \quad -10$$

$$\Delta < 0 \quad (m+1)^2 - 4m(-m-1) < 0 \quad m^2 + 2m + 1 + 4m^2 + 4m < 0 \rightarrow \Delta m^2 + 6m + 5 < 0$$

$$m^2 + 6m + 5 < 0$$

