

$$x = \frac{y}{\sqrt{1-y^2}} \rightarrow \frac{y_1}{\sqrt{1-y_1^2}} = \frac{y_2}{\sqrt{1-y_2^2}} \rightarrow \frac{y_1^2}{1-y_1^2} = \frac{y_2^2}{1-y_2^2} \quad \underline{5}$$

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$$\rightsquigarrow y_1^2 - \cancel{y_1^2 y_2^2} = y_2^2 - \cancel{y_1^2 y_2^2} \xrightarrow[\text{هم عبارت}]{y_1, y_2} y_1 = y_2 \rightarrow \checkmark \text{ راجعاً تا بریمت}$$

$$y = x^2 + a \xrightarrow{(-1, -2)} -1 + 1 + a = 0 \rightarrow a = 1 \quad \underline{1}$$

$$y = x^2 + ax + b \xrightarrow{(-1, -2)} -1 = -1 - 1 + b \rightarrow b = -1$$

$$x^2 - 1 = x^2 + x - 1 \rightarrow x^2 - 2x - 1 = 0 \quad \xrightarrow[\text{ریشه عبارت}]{x = -1} (x+1)(x^2 - x - 1) = 0 \quad \Delta > 0 \rightarrow S = -\frac{b}{a} = 1$$