

② Να λύσεις το σύστημα ② $\begin{cases} 4x + 3y - 3 = 0 \\ \frac{x+1}{2} + 1 = y \end{cases}$ $\mathcal{M} \in$ την γειθόδο των αντιθέτων συντελεστών.

ΛΥΣΗ

② $\begin{cases} 4x + 3y - 3 = 0 \\ \frac{x+1}{2} + 1 = y \end{cases} \parallel \begin{cases} 4x + 3y = 3 \\ 2 \cdot \frac{x+1}{2} + 2 \cdot 1 = 2 \cdot y \end{cases} \parallel \begin{cases} 4x + 3y = 3 \\ x + 1 + 2 = 2y \end{cases}$

$\begin{array}{rcl} 4x + 3y = 3 & \parallel & \\ x - 2y = -3 & \parallel \cdot (-4) & \parallel \\ & & -4x + 8y = 12 \\ & & \hline & & 11y = 15 \\ & & y = \frac{15}{11} \end{array}$

Αρα ομοού $y = \frac{15}{11}$

$4x + 3 \cdot \frac{15}{11} - 3 = 0$

$11 \cdot 4x + 11 \cdot 3 \frac{15}{11} - 3 \cdot 11 = 0$

$44x + 45 = 33 \Rightarrow 44x = -12$
 $x = -\frac{12}{44} = -\frac{6}{22} = -\frac{3}{11}$