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$$\chi_1 + \chi_2 = \chi_1 \chi_2$$
 \longrightarrow $-\frac{b}{g} = \frac{c}{g}$ \longrightarrow $-b = c$

$$-k = k - 1 \quad \Longrightarrow \quad 2k = 1 \quad \Longrightarrow \quad k = \frac{1}{2}$$

$$X_1 + X_2 = (x_1 x_2)^2 \qquad -\frac{b}{a} = \left(\frac{c}{a}\right)^2$$

$$-k = (k-1)^{2}$$

 $-k = k^{2} + 1 - 2k$

$$= (k-1)$$

 $= k^2 + 1 - 2k$

 $k^2 - k + 1 = 0$

 $ak^2 + bk + c = 0$

$$= (x_1 x_2)^2 - \frac{1}{2}$$

 $\Delta = b^2 - 4ac = 1 - 4 = -3$

Impossibile

