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$$y - x^2 + x - 1 + k(y + 2x^2 - 5x - 1) = 0$$

fascio di parab. con ass. di rinv.  
// ass. y

$$1^\circ g.: y = x^2 - x + 1$$

$$k=0 \quad 2^\circ g.: y = -2x^2 + 5x + 1$$

$$y - x^2 + x - 1 + k(y + 2kx^2 - 5kx - k) = 0$$

$$y(1+k) + x^2(2k-1) + x(1-5k) - 1 - k = 0$$

Ricerca pti base

$$\begin{cases} y = -2x^2 + 5x + 1 \\ y = x^2 - x + 1 \end{cases}$$

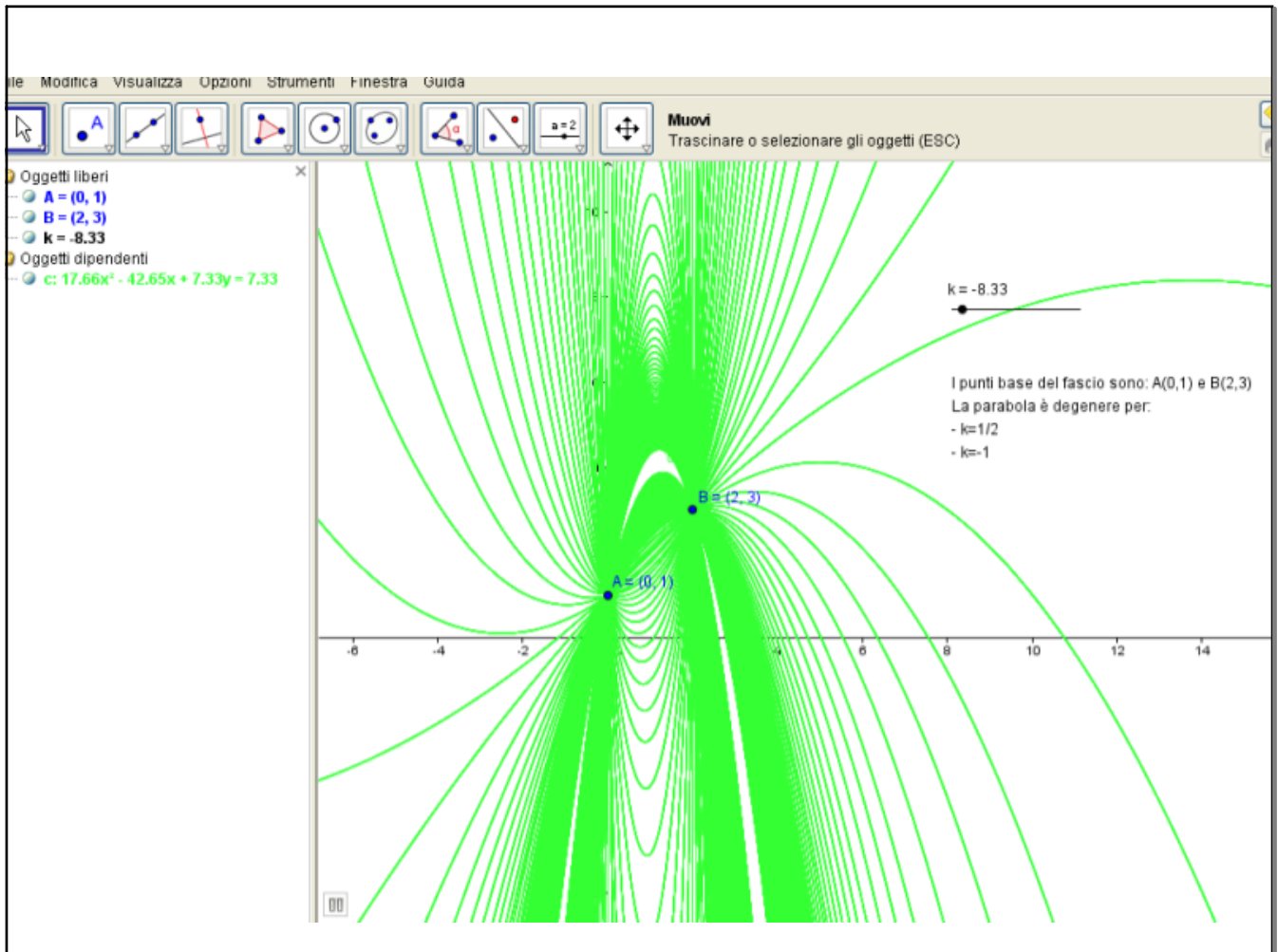
$$\begin{cases} \dots \\ -2x^2 + 5x + 1 = x^2 - x + 1 \end{cases}$$

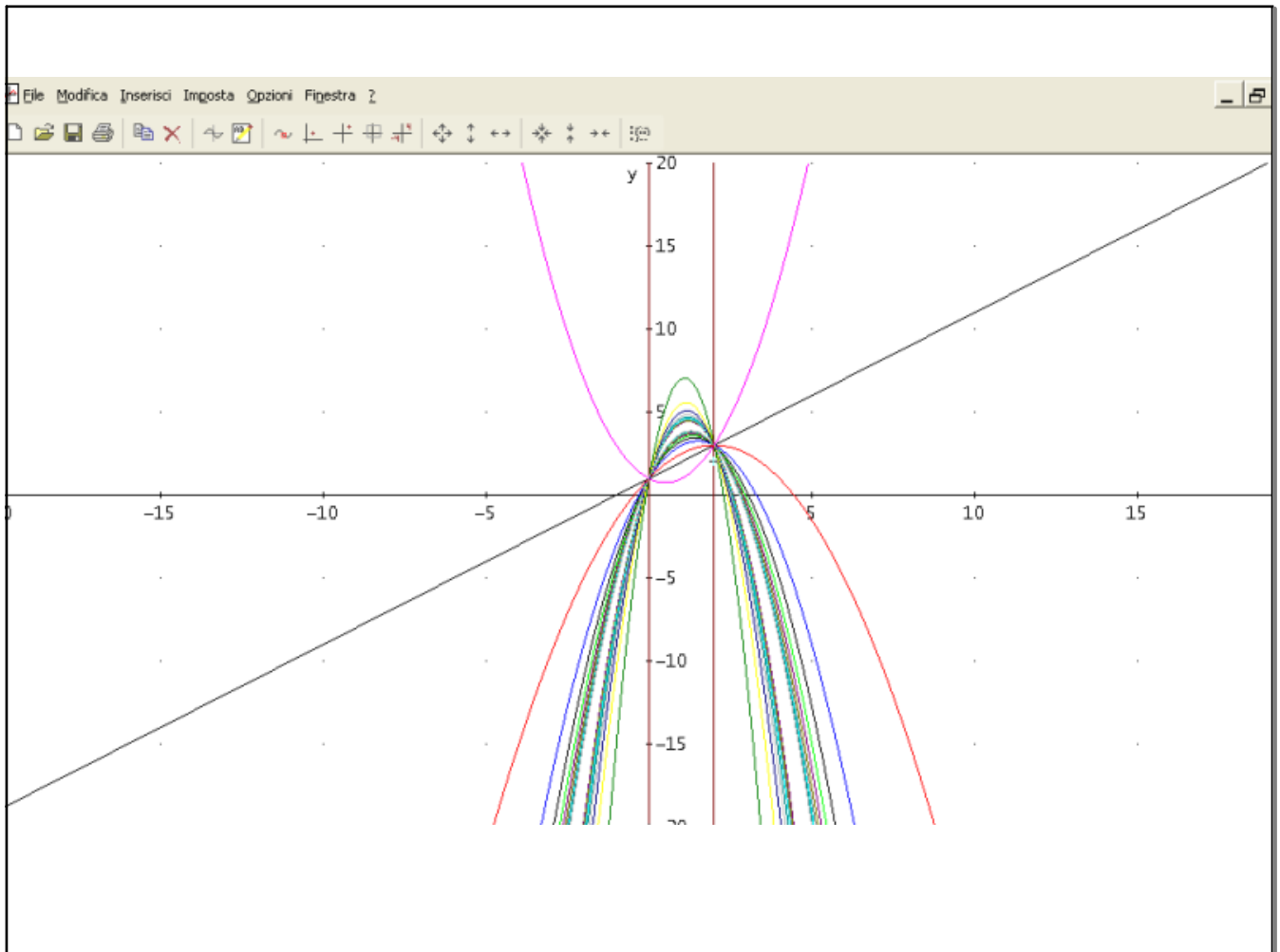
$$\begin{cases} \dots \\ 3x^2 - 6x = 0 \end{cases} \quad \begin{cases} \dots \\ 3x(3x - 2) = 0 \end{cases}$$

$$\begin{cases} \dots \\ 3x = 0 \vee x - 2 = 0 \end{cases}$$

$$\begin{cases} y = 2x^2 + 5x + 1 \\ x = 0 \vee x = 2 \end{cases}$$

$$\begin{cases} y_1 = 3 \vee x_2 = 1 \\ x_1 = 2 \vee x_2 = 0 \end{cases}$$





7: 
$$\frac{3 \cdot y}{2} - \frac{3 \cdot x}{2} = 0$$

8: 
$$y \cdot (k + 1) + x^2 \cdot (2 \cdot k - 1) + x \cdot (1 - 5 \cdot k) - 1 - k = 0$$

9: 
$$y \cdot (0.5 + 1) + x^2 \cdot (2 \cdot 0.5 - 1) + x \cdot (1 - 5 \cdot 0.5) - 1 - 0.5 = 0$$

10: 
$$-\frac{3 \cdot x}{2} + \frac{3 \cdot y}{2} - \frac{3}{2} = 0$$

11: VECTOR( $y \cdot (k + 1) + x^2 \cdot (2 \cdot k - 1) + x \cdot (1 - 5 \cdot k) - 1 - k = 0$ ,  $k$ ,  $-10$ ,  $+10$ ,  $1$ )

12:  $21 \cdot x^2 - 51 \cdot x + 9 \cdot y = 9$ ,  $19 \cdot x^2 - 46 \cdot x + 8 \cdot y = 8$ ,  $17 \cdot x^2 - 41 \cdot x + 7 \cdot y = 7$ ,  $15 \cdot x^2 - 36 \cdot x + 6 \cdot y = 6$ ,  $13 \cdot x^2 - 31 \cdot x + 5 \cdot y = 5$ ,  $11 \cdot x^2 - 26 \cdot x + 4 \cdot y = 4$ ,  $9 \cdot x^2 - 21 \cdot x + 3 \cdot y = 3$ ,  $7 \cdot x^2 - 16 \cdot x + 2 \cdot y = 2$ ,  $5 \cdot x^2 - 11 \cdot x + y = 1$ ,  $3 \cdot x^2 - 6 \cdot x = 0$ ,  $x^2 - x - y = -1$ ,  $x^2 - 4 \cdot x + 2 \cdot y = 2$ ,  $3 \cdot x^2 - 9 \cdot x + 3 \cdot y = 3$ ,  $5 \cdot x^2 - 14 \cdot x + 4 \cdot y = 4$ ,  $7 \cdot x^2 - 19 \cdot x + 5 \cdot y = 5$ ,  $9 \cdot x^2 - 24 \cdot x + 6 \cdot y = 6$ ,  $11 \cdot x^2 - 29 \cdot x + 7 \cdot y = 7$ ,  $13 \cdot x^2 - 34 \cdot x + 8 \cdot y = 8$ ,  $15 \cdot x^2 - 39 \cdot x + 9 \cdot y = 9$ ,  $17 \cdot x^2 - 44 \cdot x + 10 \cdot y = 10$ ,  $19 \cdot x^2 - 49 \cdot x + 11 \cdot y = 11$

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$$\sqrt{3x-2} > \sqrt{x+1}$$

$$y_1 = \sqrt{3x-2}$$

$$y_2 = \sqrt{x+1}$$

$$\begin{cases} y \geq 0 \\ 3x-2 \geq 0 \\ y^2 = 3x-2 \end{cases}$$

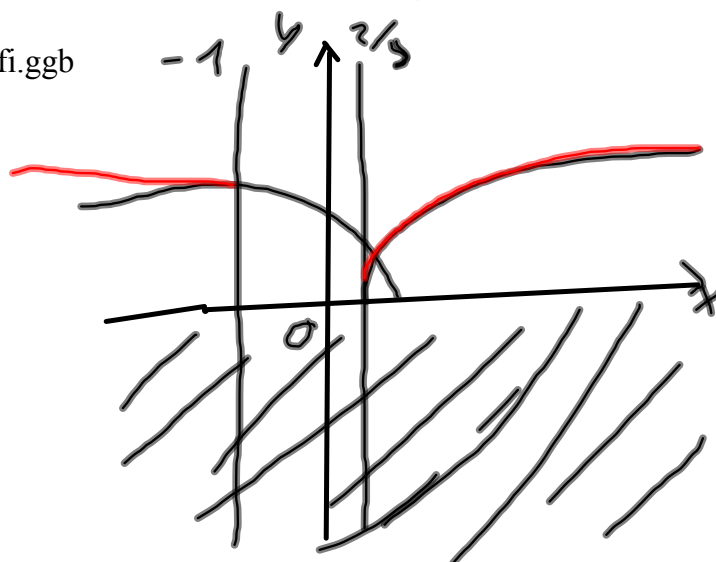
$$\begin{cases} y \geq 0 \\ x+1 \geq 0 \\ y^2 = x+1 \end{cases}$$

$$\begin{cases} y \geq 0 \\ x \geq \frac{2}{3} \\ x = \frac{1}{3}y^2 - \frac{2}{3} \end{cases}$$

$$\begin{cases} y \geq 0 \\ x \geq -1 \\ x = -y^2 + 1 \end{cases}$$

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