

$$x := \begin{pmatrix} 4 \\ 5 \\ 6 \end{pmatrix} \quad y := \begin{pmatrix} 6 \\ 27 \\ 130 \end{pmatrix}$$

starting guesses    a := 1    b := 1    c := 1

solve block in version 14/15 =====

Given

$$a \cdot x^2 + b \cdot x + c = y$$

$$\begin{pmatrix} A \\ B \\ C \end{pmatrix} := \text{Find}(a, b, c)$$

Solution answers:

$$\begin{pmatrix} A \\ B \\ C \end{pmatrix} = \begin{pmatrix} 41 \\ -348 \\ 742 \end{pmatrix}$$

$$Y(X) := A \cdot X^2 + B \cdot X + C$$

$$xx := 2, 2.1.. 6.5$$

$$Y(x) = \begin{pmatrix} 6 \\ 27 \\ 130 \end{pmatrix}$$

