



$$A = \begin{pmatrix} -6 & 12 & -16 & 5 \\ 0 & 2 & 0 & 0 \\ 1 & -2 & 4 & -1 \\ -6 & 12 & -12 & 5 \end{pmatrix}$$

On considère

$$\lambda^2 - 4\lambda + 4$$

$$\Delta = 16 - 16 = 0$$

$$\lambda = \frac{-b}{2a} = \frac{4}{2} = 2$$