

$$(b) B = \begin{pmatrix} 1 & 1 & \alpha \\ 1 & 1 & 1 \\ \alpha & 1 & 1 \end{pmatrix}$$

Appliquons directement critéri Sylvester:

$$|1| = \Delta > 0$$

$$\begin{vmatrix} 1 & 1 \\ 1 & 1 \end{vmatrix} = 0 \Rightarrow \text{Mais \u00e9s def posit. (ni tampoco def. negat.)}$$