

$$\begin{pmatrix} 1 & -1 & 1 \\ 1 & 1 & 2 \\ 0 & 0 & 0 \end{pmatrix} + \begin{pmatrix} \epsilon & 0 & 0 \\ 0 & \epsilon & 0 \\ 0 & 0 & \epsilon \end{pmatrix}$$

