















$$= \begin{pmatrix} \lambda_1 & 0 \\ 0 & \lambda_1 \end{pmatrix} + \begin{pmatrix} \lambda_2 & \lambda_1 \\ 0 & 0 \end{pmatrix} + \begin{pmatrix} \lambda_3 & 0 \\ \lambda_4 & \lambda_4 \end{pmatrix}$$

$$= \begin{pmatrix} \lambda_1 + \lambda_2 + \lambda_4 \\ \lambda_4 + \lambda_5 + \lambda_4 \\ \lambda_5 + \lambda_4 + \lambda_4 \end{pmatrix}$$

$$= \begin{pmatrix} \lambda_1 + \lambda_4 \\ \lambda_5 + \lambda_4 \\ \lambda_6 + \lambda_5 + \lambda_4 \\ \lambda_6 + \lambda_5 + \lambda_4 \\ \lambda_6 + \lambda_6 + \lambda_4 \\ \lambda_6 + \lambda_6 + \lambda_6 \\ \lambda_7 + \lambda_7 + \lambda_8 \\ \lambda_8 + \lambda_8 \\ \lambda_8 + \lambda_8 + \lambda_8 \\ \lambda_8 + \lambda_$$