

古典伴隨矩陣和行列式關係題目.

93 中正資工

$A \cdot \text{adj}(A)$  is a diagonal matrix for every square matrix  $A$ .

Ans. True.

$$A \cdot \text{adj}(A) = \det(A) \cdot I = \begin{bmatrix} \det(A) & & 0 \\ & \det(A) & \\ 0 & & \ddots \\ & & & \det(A) \end{bmatrix} \quad \#$$