$$A = \begin{bmatrix} a_{11} & a_{12} & \dots & a_{1n} \\ 0 & a_{22} & \dots & \vdots \\ 0 & 0 & \dots & a_{nn} \end{bmatrix}$$

$$dx (2I - A) = \begin{vmatrix} 2_{1} - a_{12} & -a_{1n} \\ 0 & 2_{2} - a_{22} & -a_{2n} \\ \vdots & \vdots & \vdots \\ 0 & 0 & -2_{n} - a_{nn} \end{vmatrix} =$$

$$= (2_{1} - a_{11}) \cdot (2_{2} - a_{22}) \cdot ... \cdot (2_{n} - a_{nn}) = 0$$

$$(2 - 422) \cdot ... \cdot (2 - 4nn) = ($$

$$dvs \rightarrow \lambda_1 = \alpha_1, \lambda_2 = \alpha_{22}, \dots, \lambda_n = \alpha_{nn}$$