基本矩阵的行列式題目 85 台大資工

Let E, and Ez be two elementary matrices, which symbolizes a row-interchange and column-interchange operations, respectively. Then,  $det(E_1AE_2) = det(A)$ .

=)  $\det(E_1)\det(A)\det(E_2) = (-1)^2\det(A) = \det(A) \neq$ 

Ans.  $det(E_1AE_2) = det(E_1) det(A) det(E_2)$  $det(E_1) = det(E_2) = -1$