② Pokażmy, że $\det(A) = 0$

$$A^T = -A$$

$$\det(A^T) = \det(A) = \det(-A) =$$

$$= (-1)^n \det(A) = -\det(A)$$

$$\Downarrow$$

$$2\det(A) = 0 \Rightarrow \det(A) = 0$$