Matrix Properties :

- $adj(O) = O$

Proof :

As we know that $|O| = 0$

Also, cofactors of $a_{ij} = 0$ for all i and j.

So, $adj\ (O) = O$

- $adj(I) = I$

Proof : As we know that $[I] = 1$

Also, cofactors of $a_{ij} = 1$ when $i = j$ and 0 when $i \neq j$.

So, $adj\ (I) = \left[a_{ij}\right]' = I' = I$

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