Not recommended to use.

2 facts: $|A|$ = product of the eigenvalues (determinant) } true for any A

$tr(A)$ = sum of eigenvalues (trace) }

so if A is 2×2, we can find the eigenvalues if we know the determinant and trace.

Ex: $tr(A)=5$ $\lambda=2,3 \rightarrow \lambda^2-5\lambda+6$

$|A|=6$ (2 numbers that multiply to $|A|$ and add to $tr(A)$)