

Zero Sum Game

$$A = -B$$

$$\begin{pmatrix} 1 & -1 \\ -1 & 1 \end{pmatrix} + \begin{pmatrix} -1 & 1 \\ 1 & -1 \end{pmatrix} = 0$$

A B

$$\begin{pmatrix} 1 & -2 \\ -1 & 1 \end{pmatrix} + \begin{pmatrix} -1 & 1 \\ 1 & -1 \end{pmatrix} \neq 0$$