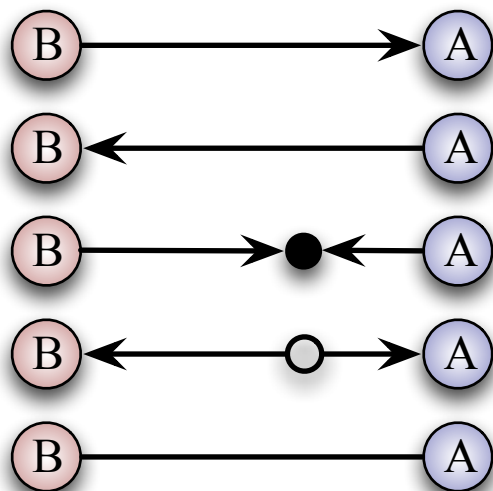


$2 \times 2$  game

$$\begin{array}{c} A \quad B \\ A \begin{pmatrix} a_1 & a_0 \end{pmatrix} \\ B \begin{pmatrix} b_1 & b_0 \end{pmatrix} \end{array}$$



$2 \times 2 \times 2$  game

$$\begin{array}{c} AA \quad AB \quad BB \\ A \begin{pmatrix} a_2 & a_1 & a_0 \end{pmatrix} \\ B \begin{pmatrix} b_2 & b_1 & b_0 \end{pmatrix} \end{array}$$

Assuming  $AB = BA$

