

$$(A, B) \in \mathbb{R}^{m \times n^2}$$

stage game

T periods

actions

$$A = \begin{pmatrix} r_1 & 0 & 6 & 1 \\ c_2 & 1 & 7 & 5 \end{pmatrix}$$

$$B = \begin{pmatrix} 0 & 3 & 1 \\ 1 & 0 & 1 \end{pmatrix}$$

$$\{(0, 1), (1, 0, 0), (0, 1), (0, 0, 1)\}$$

strategy

$$\bigcup_{t=0}^{T-1} H(t) \rightarrow a$$

$H(t)$ : history of both players

$a$ : an action

$$\bigcup_{t=0}^{T-1} H(t) = \{(\emptyset, \emptyset), (r_1, c_1), (r_1, c_2), (r_1, c_3), (c_2, c_1), (c_2, c_2), (c_2, c_3)\}$$