Maxminimizing Strategies

Definition

Let $\{\{1,2\},(A_i),(\succeq_i)\}$ be a strictly competitive strategic game. The action $x^* \in A_1$ is a maxminimizer for player 1 if

$$\min_{y \in A_2} u_1(x^*, y) \ge \min_{y \in A_2} u_1(x, y) \text{ for all } x \in A_1.$$

The action $y^* \in A_2$ is a maxminimizer for player 2 if

$$\min_{x \in A_1} u_2(x, y^*) \ge \min_{x \in A_1} u_2(x, y) \text{ for all } y \in A_2.$$

Example: