

Never-Best Response and Strictly Dominated

Definition

An action $a_i \in A_i$ is a **never-best response** if it is not a best response to any belief μ_i of player i where $\mu_i \in \Delta(\times A_{-i})$.

Definition

The action $a_i \in A_i$ of player i in the strategic game $\{N, (A_i), (u_i)\}$ is **strictly dominated** if there is a mixed strategy α_i of player i such that $U_i(\alpha_i, a_{-i}) > u_i(a_i, a_{-i})$ for all $a_{-i} \in A_{-i}$, where $U_i(\alpha_i, a_{-i})$ is the payoff of player i if he uses the mixed strategy α_i and the other players' vector of actions is a_{-i} .