

Mixed Strategy Nash Equilibrium

Some games don't have an NE

Players can take advantage of the NE because it gives knowledge of the other player's strategy

Mixed strategy NE means no player can increase their payoff by switching to another strategy given the other's strategy

For a mix to be a BR, it must put positive probability only on pure strategies that are best responses

Randomization in Sports

Procedure

- 1) Calculate rationalizable strategies with iterated dominance
- 2) Restrict to rationalizable and write equations for each player that neutralize each other's strategies
- 3) Solve the equations