

Nash and Correlated Equilibrium

Consider N players normal-form game. Prove or disprove (by finding a counterexample) the following claims:

- 1 Every Nash equilibrium also corresponds to a correlated equilibrium.
- 2 Every convex combination of several Nash equilibria also corresponds to a correlated equilibrium.
- 3 There does not exist a correlated equilibrium that cannot be expressed as a convex combination of several Nash equilibria.