`Battle of Sexes`

- Game - cricket (C)
- Movie - Harry Potter (H)
2 Nash Equilibria in this game.

Example of a game with multiple Nash Equilibria.
Boy prefers (C, C) Equilibrium

Girl prefers (H, H) Equilibrium
Therefore, BoS (Battle of Sexes) is NOT a coordination game.

Pareto optimality?

(\text{C,C}) \text{ is Pareto Optimal!}

(\text{H,H}) \text{ is Pareto Optimal!}
In BoS, there are 2 NE – and both are Pareto optimal.