



# Finding the Nash Equilibria of a Game

To find the Nash Equilibria of a game, for each outcome, ask yourself, “Given what the other player is doing, does either player have an incentive to change what they are doing at this outcome?”

If the answer is “yes” for either player, that outcome is NOT a Nash Equilibrium.

If the answer for both players is “no,” the outcome is a Nash equilibrium.

|          |        | Player 2        |                 |
|----------|--------|-----------------|-----------------|
|          |        | Left            | Right           |
| Player 1 | Top    | 1, 2            | <del>1, 1</del> |
|          | Bottom | <del>0, 0</del> | 2, 1            |

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|          |        | Player 2        |                 |
|----------|--------|-----------------|-----------------|
|          |        | Left            | Right           |
| Player 1 | Top    | 1, 2            | <del>2, 2</del> |
|          | Bottom | <del>1, 1</del> | 2, 1            |

