

# Next generation consoles and an introduction to extensive form games

Game Theory

Vincent Knight

Elliot and I want to get a next gen games console:

Xbox One

PS4

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Xbox One

PS4

We both prefer



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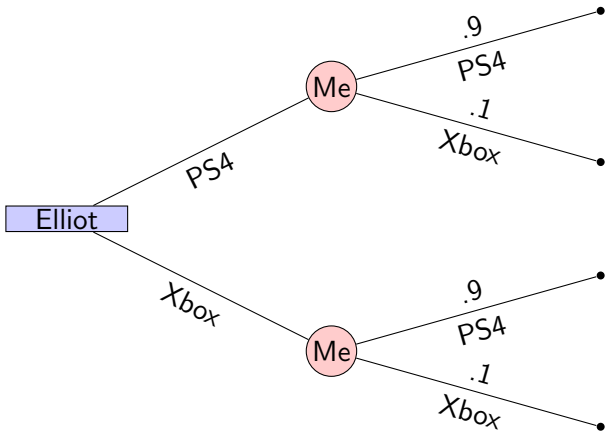
Xbox One

PS4

90%

We both prefer





- ▶ A finite set of  $N$  players: Elliot and I.
- ▶ A rooted tree.
- ▶ An  $N$  – *tuple* of payoffs: ‘how happy we will be at each leaf of the tree’

