

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

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

Xbox One

PS4

We both prefer



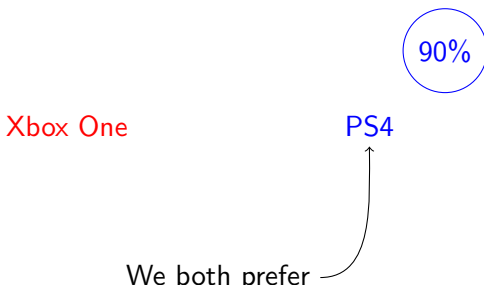
Elliot and I want to get a next gen games console:

Xbox One

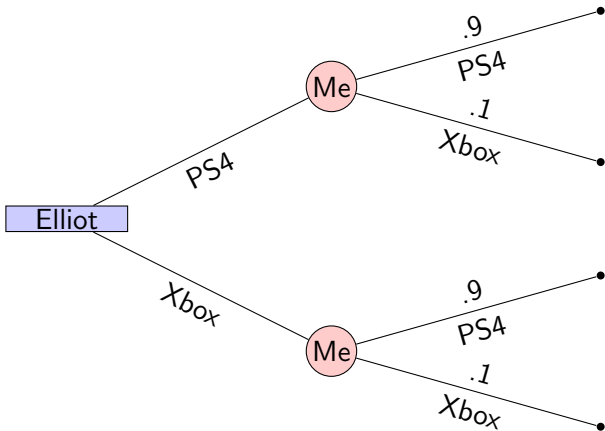
PS4

90%

We both prefer



The diagram illustrates a preference for the PS4 over the Xbox One. The text 'Xbox One' is written in red, while 'PS4' is written in blue. A blue circle containing '90%' is positioned above 'PS4'. An arrow originates from the text 'We both prefer' and points towards 'PS4'.



- ▶ 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’

