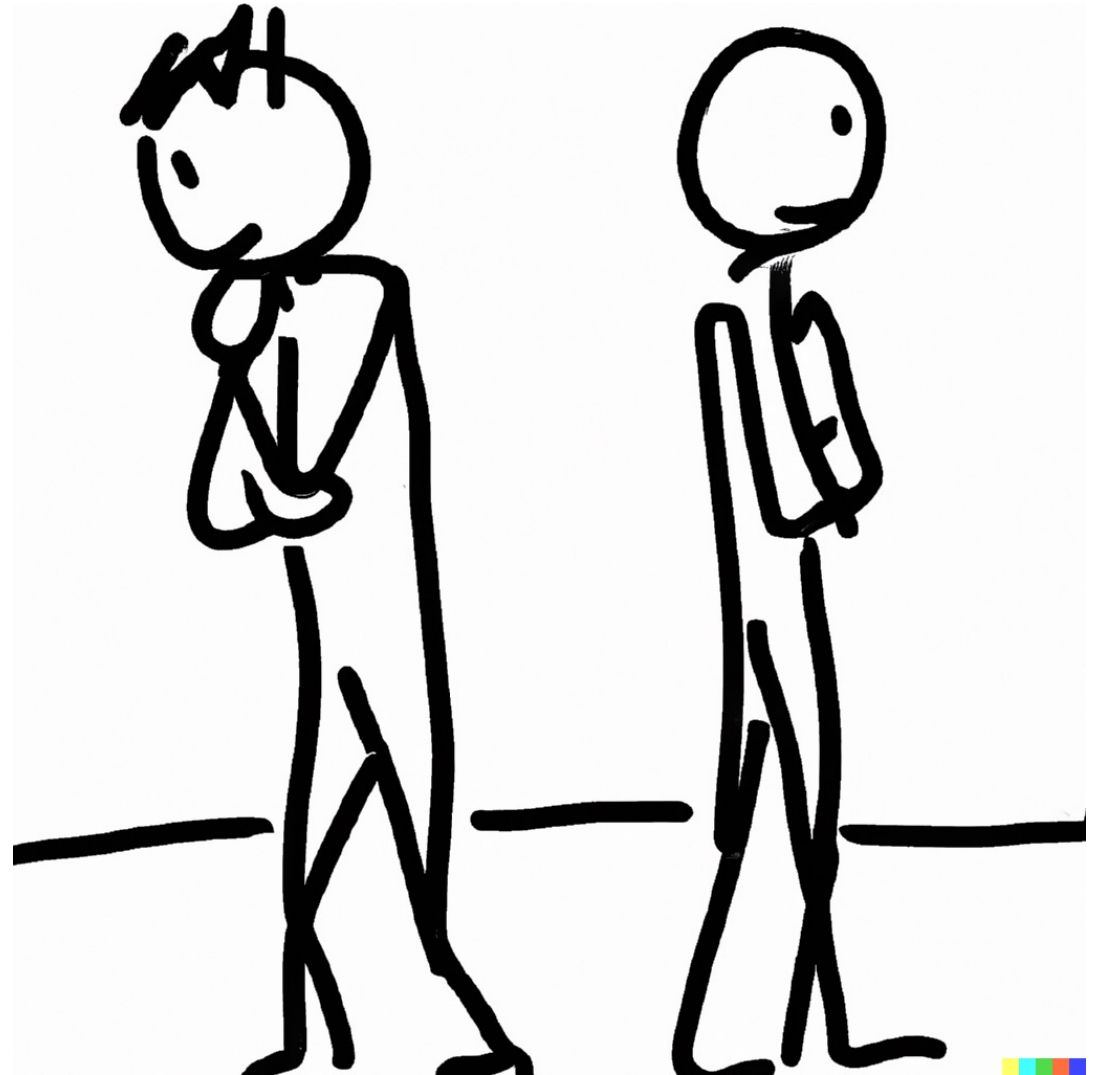


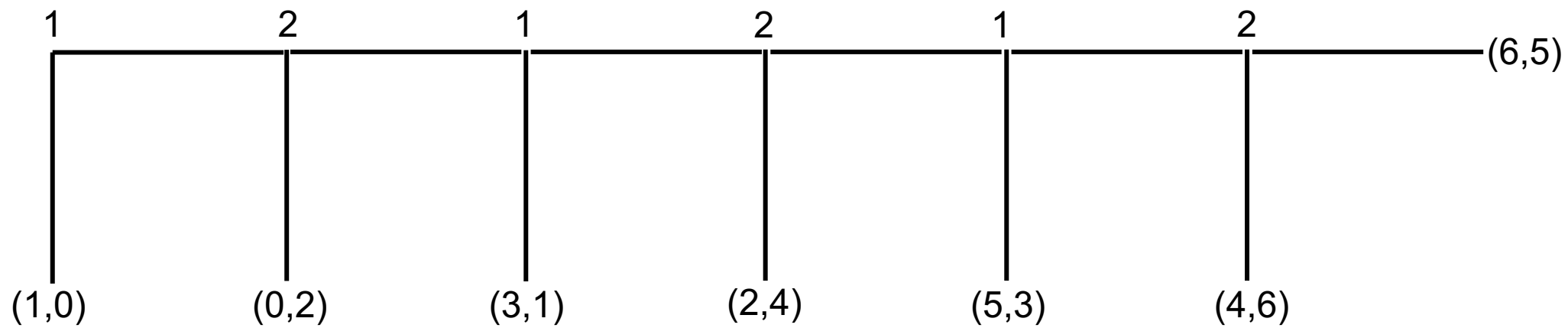
# Sequential games

Notes on Behavioural Economics

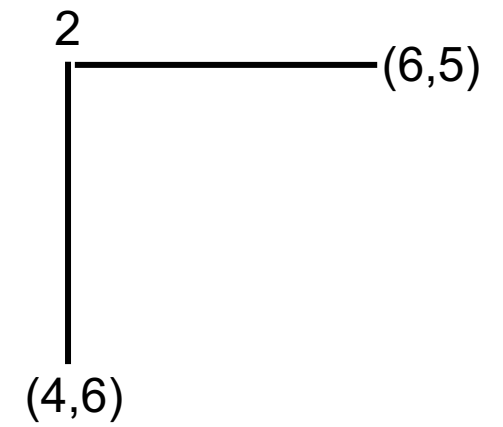
Jason Collins



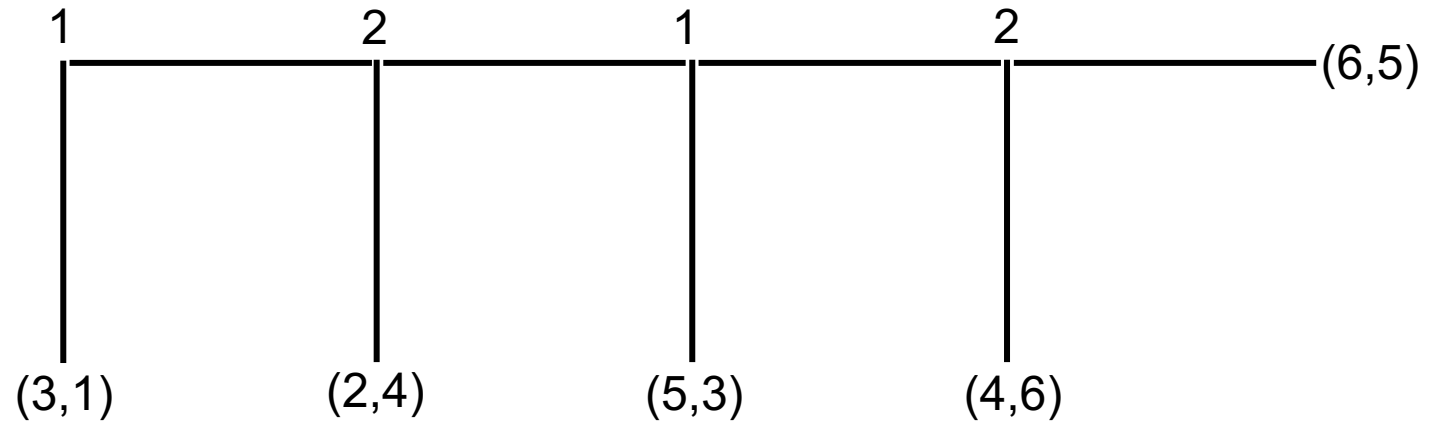
Extensive form



# Subgame

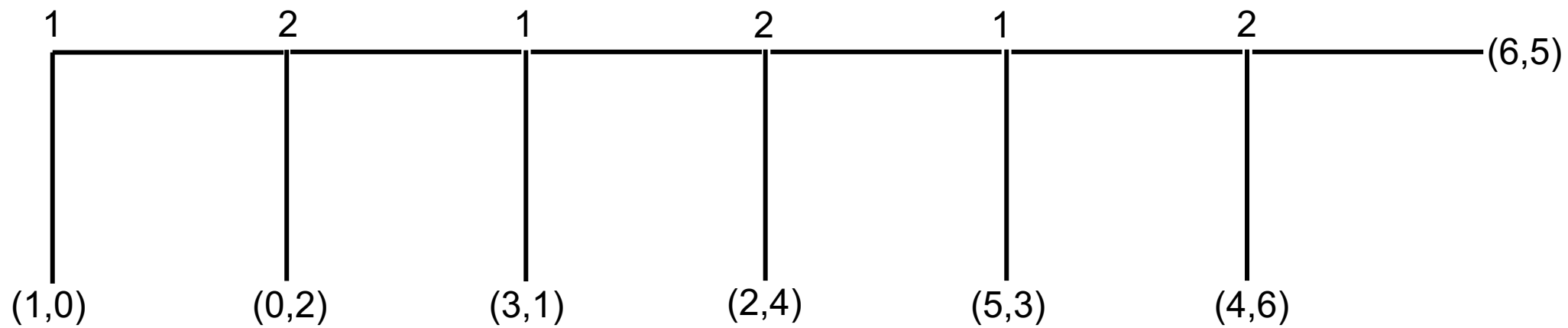


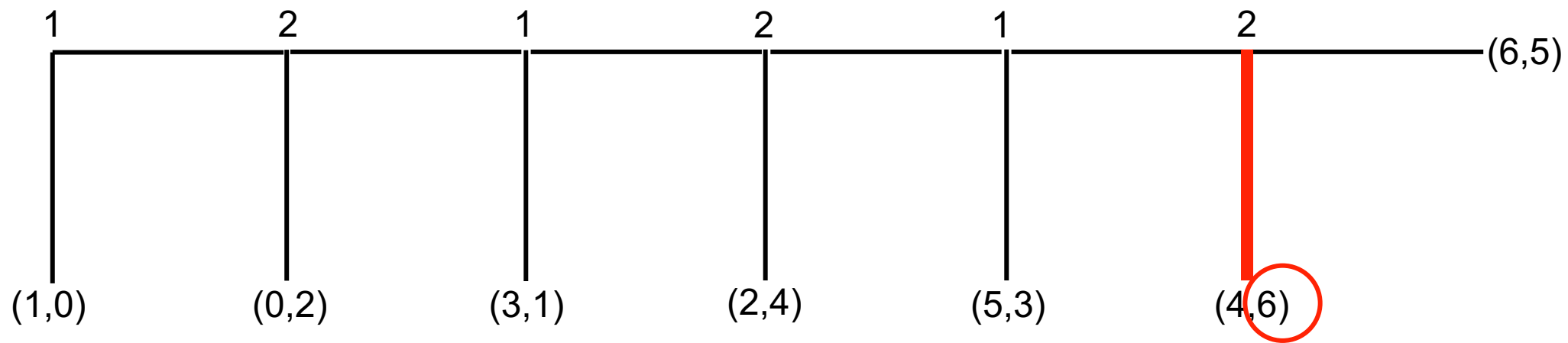
# Subgame



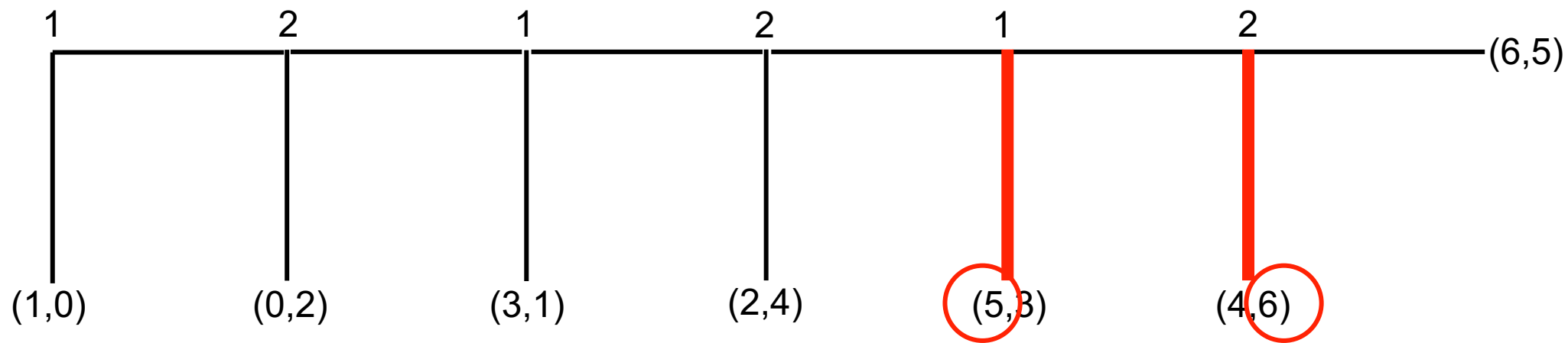
# Subgame perfect Nash equilibrium

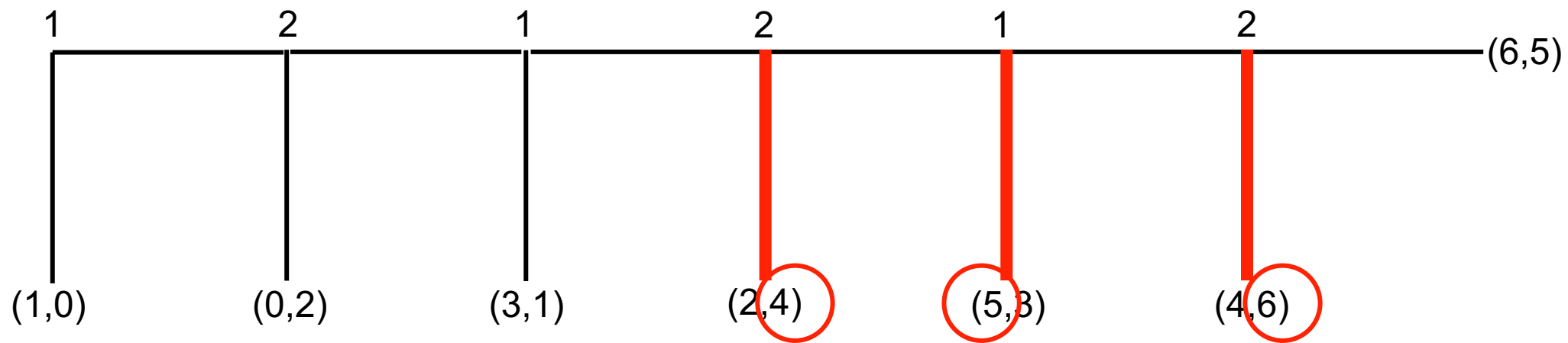
A Nash Equilibrium is subgame perfect if every player plays the Nash Equilibrium in every subgame

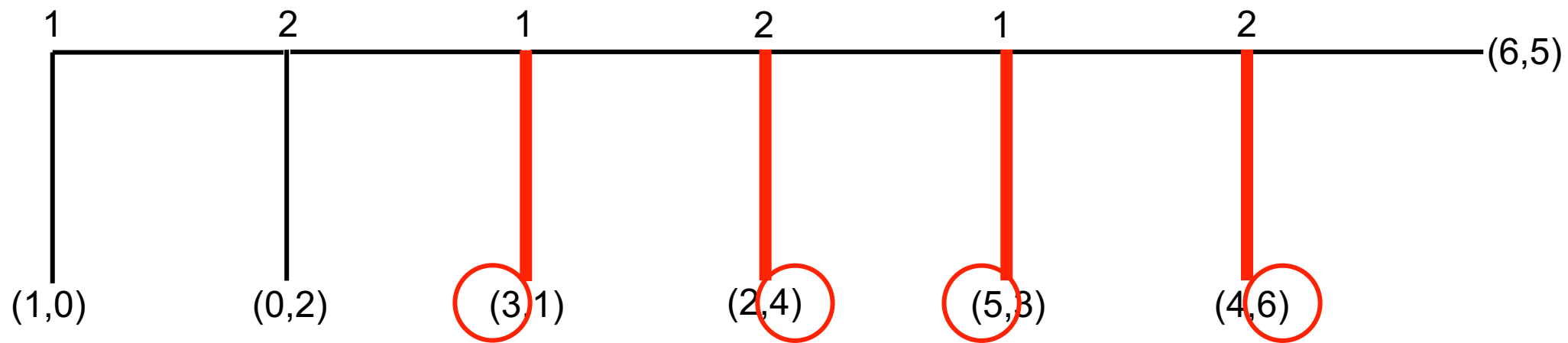


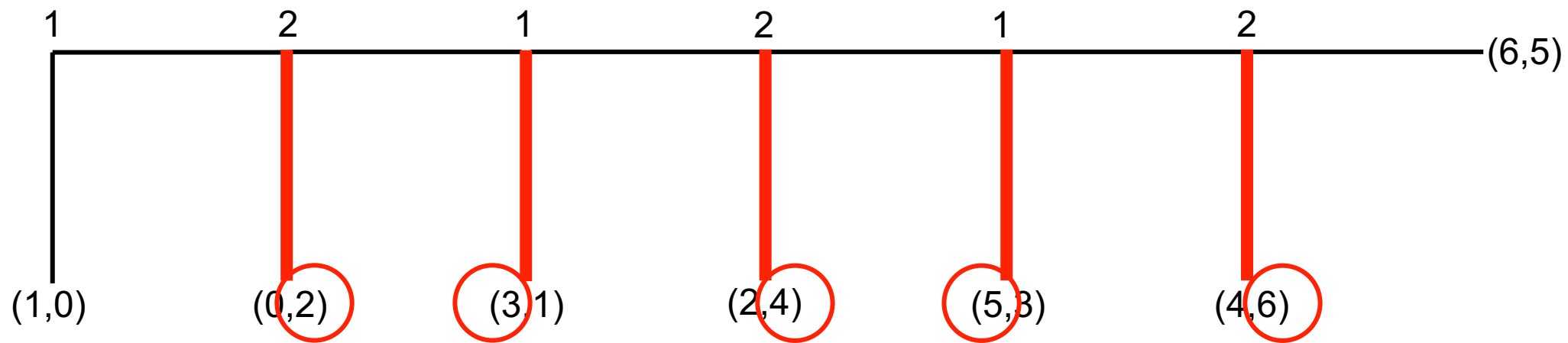


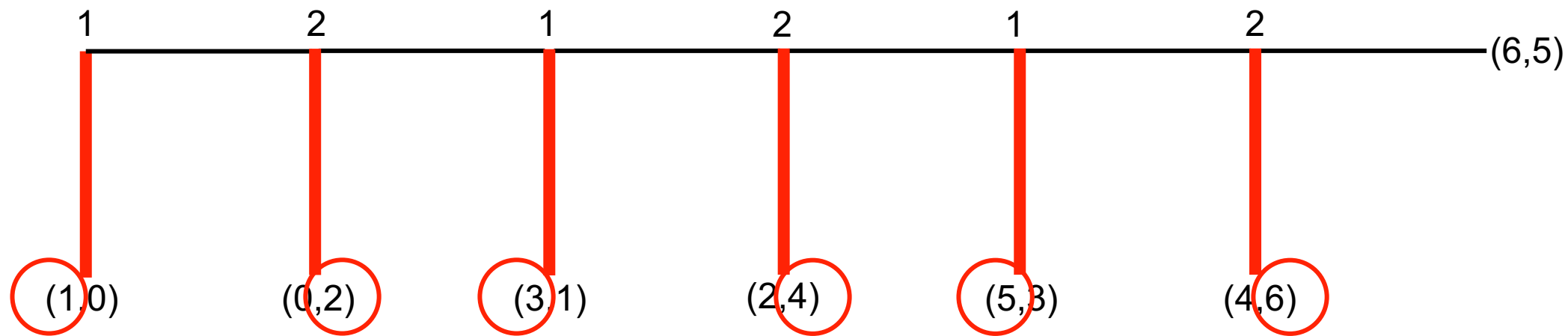












# Subgame perfect Nash equilibrium

$$S_1 = (\text{take}, \text{take}, \text{take})$$

$$S_2 = (\text{take}, \text{take}, \text{take})$$