Algorithmic Game Theory

Algorithmische Spieltheorie

Pingo

Wintersemester 2022/2023

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Website

https://pingo.coactum.de/

Access Number:
885317

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Question 1

Is between

A between is and between or

B between between and is or

C between and and or or

D between or and between or

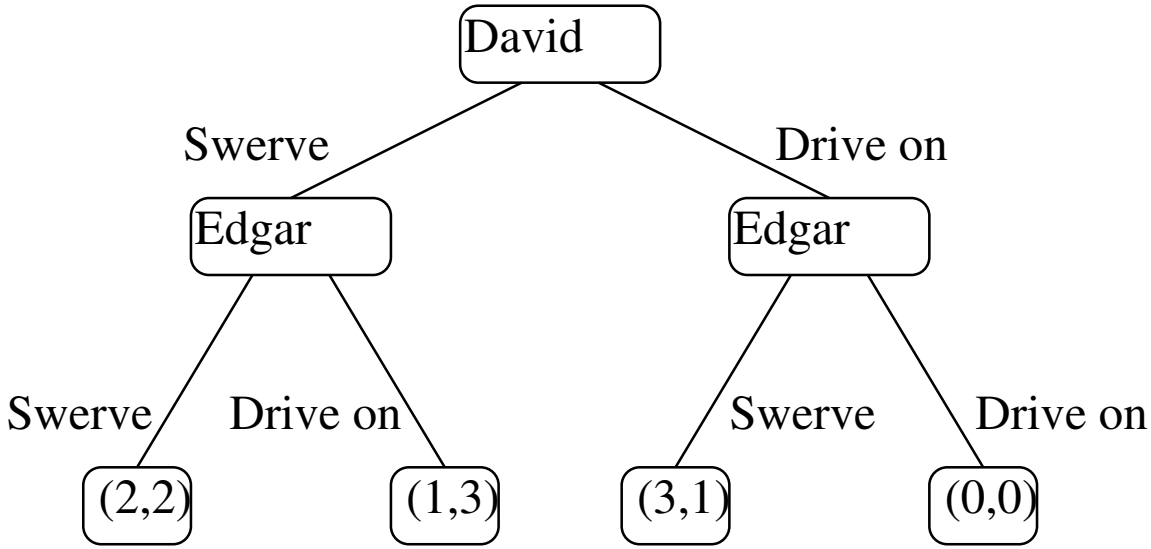
E between between and and or

F between or and and or

G between or and or?

Question 2

If we sequentialize the chicken game, with David moving first and Edgar second, make a guess about the chosen strategies and gains.



A David swerves and then Edgar swerves: $(2, 2)$.

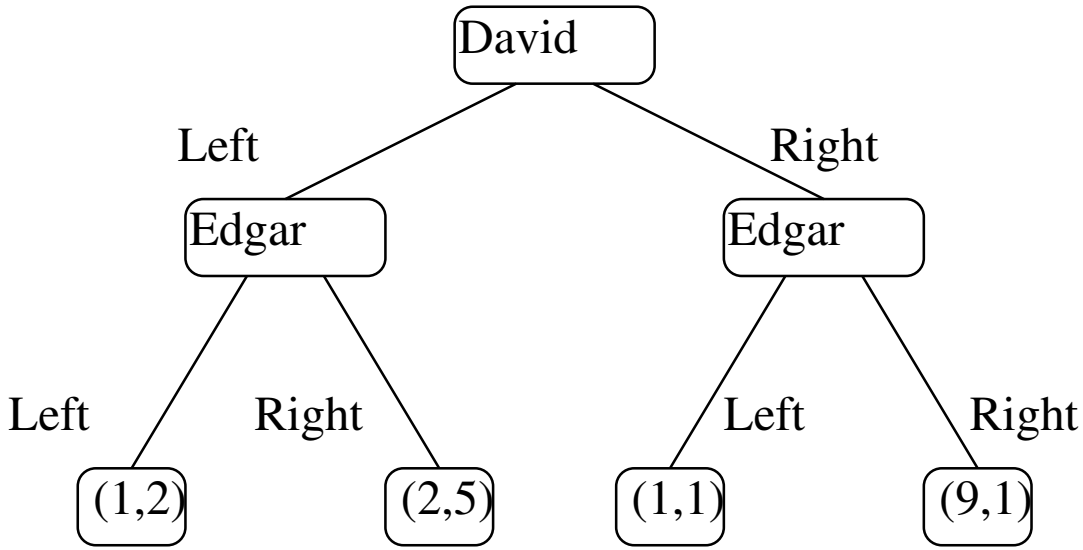
B David swerves and then Edgar drives on: $(1, 3)$.

C David drives on and then Edgar swerves: $(3, 1)$.

D David drives on and then Edgar drives on: $(0, 0)$.

Question 3

Now, with David moving first and Edgar second, make a guess about the chosen strategies and gains in this game.



A David goes left and then Edgar goes left: $(1, 2)$.

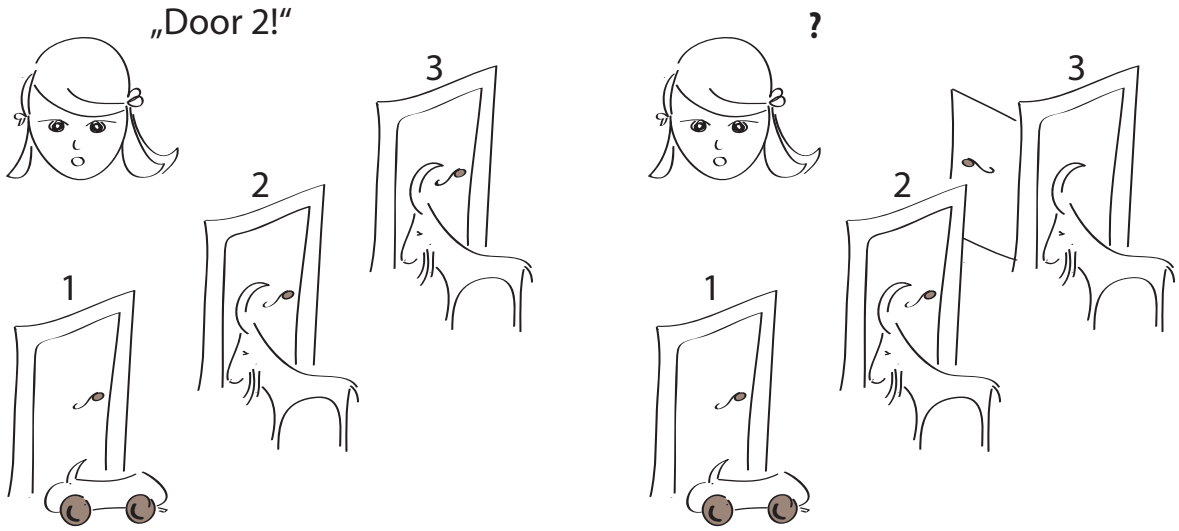
B David goes left and then Edgar goes right: $(2, 5)$.

C David goes right and then Edgar goes left: $(1, 1)$.

D David goes right and then Edgar goes right: $(9, 1)$.

Question 4

Make a guess: Is it better to change your chosen door in the Monty Hall game or to stay with it?



A Staying with the chosen door is better.

B Changing the chosen door is better.

Question 5

Which of the following statements are true for finite, two-player, zero-sum games in normal form?

A All Nash equilibria have the same gain vector.

B The set of maxmin strategies can be different from the set of minmax strategies for some of the two players.

C Nash equilibria can be computed in polynomial time.