Assignment Project Exam Help CWhitpstern Designer Lewipoints

This lecture is meant to give you some high-level advice and a few concrete examples.

I'm going to describe the coursework problem structure in such a way that it can be used in relatibility what you have learn to far OCET. COM

I will then present two scenarios in which this is very clear.

I will talk about how to improve the strategy you submit. Add WeChat powcoder

- Each of the four auction games is a finite extensive game.
- At each round, the game you play is a one-shot game, against the other • At each round, each gam you play DEPENDS on the games played before.
- - Who has won which items

 - How much money every has the chart powcoder

- auction type
- the items sold and to whom and for how much
- Proposition in the proposition of the proposition o
- the amount of items available.

Sometimes you know:

- the order in which the temperal a penal extra power code?
 Sometimes you do not know. But, even then you know how the items are drawn!

Theory

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We haven't covered everything Do your own research!

Theory is the key, but you need to work on adapting it to your specific problem.

- How intringister to person defined m
- The bids you make are not independent from the budget you have, obviously.
- Neither are they independent from what others have.
- R.P. MArchad J. Wile Chat powcoder Auctions and Bidding.

Journal of Economic Literature, 25(2):699–738, 1987.

The key principle

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You know what utility means:

- in win-lose games
- in galattips: powcoder.com
- you know money does not matter in the end

You know what maximises means.
The course work Gabut the work expertent powcoder

USE WHAT YOU KNOW, ESTIMATE WHAT YOU DO NOT

Solving the game

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You can in theory solve the game by brute torce. Except there are k'' possible choices at the first round, where k is the set of possible bids and n the number of bidders, and the game can go on for 200 rounds.

However, the tate in Strant condet Who Coder. Com

- In certain situations it is very clear what to do.
- In certain situations it is very clear what to do given that at the next stage it is very clear what to do ...
- etc...Add WeChat powcoder

Engames (i)

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Suppose you are playing the [4,2] game and everyone has: $\{3vG, 2P, 1R, 1DV\}$.

Your budget is 1200 ple your opponents have 190 der.com
A van Gogh is auctioned.

You have 199 bad moves, no matter the auction type.

Engames (ii)

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You are one of Ann's opponents. None of you has anything, but the budget is 50 each.

A van Gogh is auctioned.

This is one of the project of the state of t

Do you top Ann's potential all-in? Or do you hope others will?

If everybody free rides and Ann is in the right mind, then she wins.

It's important to take the risk to free ride, or not. You need to estimate that. It goes without saying that the attitude to risk needs to take into account the other participants, if any.

Waiting will make you gain lots of precious knowledge, for instance the fact that

someone else is going to win next.

Different games transfer places of period of the place of th

It seems to me (but I might be wrong) that the [4,2] game rewards aggressive play, the other games patience. Find out.

Test your strategy against other strategies.

But do not nake the restake of this light against ALL strategies thrown at you.

Please read the instructions carefully.