

Part 4 Questions

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1 First Question - What is a greedy algorithm - you can look up definitions online but final response should be in your own words?

It is an algorithm that makes the best decision at that time that the program asks it to do something, compared to looking at the bigger picture.

2 Second Question - How else could you solve the above problem?

I used a loop of subtracting, but I'm sure that there's a way to use division, and then use the remainder to calculate the next smallest coin value.

3 Third Question - What other problems are greedy algorithms successfully used for?

To be quite honest, I'm not too sure. Something that doesn't need to flow through many different options.