Peyton Haws

Greedy Algorithms

So a greedy algorithm is the best way to do a task at that current moment without worrying about future results. So I talked to my mom about this and she buys all the gluten free chicken nuggets whenever she sees them without thinking about the future, this is a greedy algorithm. Well she lives far away from a grocery store that sells those for my siblings who can’t have wheat, and she ignores other people’s needs. When she keeps it greedy she gets all the food for the family, but on the other hand no else gets any which is a problem. She said to make the algorithm better by buying them from different stores in the town they go to. So for me we discussed that I can be arrogant at times, I never mean to actually come off that way. I always answer question logically that usually doesn’t make a feel good feeling. I’m considering helping others but I tend to forget others feelings. Keeping my way of answering question like this is good because sometimes someone needs to say something hard to get someone motivated to better themselves, but it also could come off the wrong way and hurt people. I could try to come to an approach that is more calm and feel good, but still logical and helpful.

Mom

1. Drives an hour and a half to town to shop
2. Goes to store
3. Buys all the gluten free chicken nuggets
4. Then you leave

The Big O of this would be O(log n) considering the situation, it’s effective for that situation.

Peyton

1. I approach the problem by giving advice
2. The advice is said straight forward and may be taken the wrong way

The Big O of this would be O(n log n) because it is always the best advice I can give, but it may hurt at times. So I think it is effective over a long time cause the person may open up eventually to the advice and it will help them.