

EECS 281, Week 7: Wednesday

Winning Games

Suppose you are playing a card game where you deal n cards. Each player picks a card from the left end or from the right end until no cards remain. The player whose cards sum up to the highest number wins.

Design an optimal strategy for playing this game against Maxim, who always uses the greedy approach by selecting the card with the highest number. Implement your strategy in `optimalStrategy`, which should return the highest sum you can get by optimally selecting cards when playing against Maxim.

```
int optimalStrategy(const vector<int> &cards) {
```

When finished, take a picture of your answer and email it to Maxim.