

DP algorithms you've already seen

September 27

- ▶ Fibonacci numbers
- ▶ Coin changing problem

September 29

- ▶ DP algorithm for computing the longest increasing substring
- ▶ DP algorithm for finding a longest increasing subsequence

October 2

- ▶ DP algorithm for computing All Pairs Shortest Paths in graph

Are these algorithms correct?

Can we prove these algorithms correct?