

Summary

- ▶ Dynamic programming and recursive algorithms are two ways of dealing with algorithm design.
- ▶ One is top down (recursion) and the other is bottom-up (dynamic programming).
- ▶ You can **prove** your algorithm is correct using induction, when the algorithm uses recursion or dynamic programming.

In both cases, you identify subproblems and show how solving subproblems lets you solve big problems.