Dynamic Programming Algorithms

When you are asked to create a DP algorithm, remember to:

- ▶ Define what your variables mean
- ▶ Show the base cases and how you'll compute them
- ▶ Show how you'll compute the other variables, using previously computed variables (this is the "recursive definition")
- ▶ State the order in which you compute the variables (remember - bottom-up)
- ▶ Show where your "answer" will be (or how you'll compute your answer from your variables)
- ▶ Explain why your algorithm is correct
- ▶ Analyze the running time