

# Summary

We learned:

- ▶ Induction is a powerful technique for proving theorems
- ▶ Induction proofs are not that difficult!
  - ▶ Write down what you want to prove as a statement  $P(n)$  that depends on a parameter  $n$
  - ▶ Show that  $P(n)$  is true for some base case(s)
  - ▶ Show that  $P(n) \rightarrow P(n + 1)$