

# Weak induction

What we did was “weak induction”:

- ▶ 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  $P(n) \rightarrow P(n + 1)$