Longest Subsequence of Repeated Values

- Create an application that lets you input a list of integers until a zero is inputted. Can you count the largest number of repetitions in series from your inputs?
  - Count the number of repeated values; if the values do not repeat, the count is 1.
  - Find the largest value of the count
- For example, in the inputs of 3 3 5 5 4 4 4 6 0, the value 4 is repeated three times, which is the largest number of repetitions.
- 3 3 3 5 0
- Five Variables
  - Input number
  - The previous number
  - The count
  - The largest count
  - The number of that largest count

Longest Subsequence of In-Order Values

▸ The only difference between this problem is that the subsequence must now be in ascending order in addition to being contiguous.

▸ Instead of using a zero, this problem uses a the end-of-line expression (ReadLine() == null when you press CTRL-Z).