























Removing a Number from a Bag

- We may remove a number from a bag.
- But we remove only one number at a time.



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How Many Numbers Another operation is to determine how many numbers are in a bag. IN MY OPINION, THERE ARE TOO MANY NUMBERS.



Summary of the Bag Operations

- A bag can be put in its *initial state*, which is an empty bag *constructor*
- Numbers can be *inserted* into the bag *insert*(...)
- You may check how many *occurrences* of a certain number are in the bag *count(...)*
- Numbers can be *removed* from the bag *erase*(...) and *erase_one*(...)
- You can check *how many* numbers are in the bag *size()*

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Sequence

- Another container class
- Also (more traditionally) called *list*
- Similar to bag contains bunch of items
- Different from bag items arranged in an order
 - ◆ Which item comes first, which item comes next, ..., and which item comes last
 - Items are *not* necessarily in sorted order
 - > If items are required to be in sorted order \rightarrow sorted sequence

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Textbook Readings

- Chapter 3
 - Section 3.1
 - Section 3.2
- Chapter 4
 - Section 4.3
 - Section 4.4
- Chapter 6
 - Section 6.2

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