Maps:

Below are a few different ways we could implement associative maps for storing (key, value) pairs. For each one, what is the runtime of our two main operations?

1. **Linked List**
   - Store\((k, v)\):
   - Lookup\((k)\):

2. **Array sorted on the keys**
   - Store\((k, v)\):
   - Lookup\((k)\):

3. **Binary Search Tree (BST)**
   - Store\((k, v)\):
   - Lookup\((k)\):