Our Solution(s) Run Code

Solution 1 Solution 2

```python
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class BST:
    def __init__(self, value):
        self.value = value
        self.left = None
        self.right = None

    # Average: O(log(n)) time | O(log(n)) space
    # Worst: O(n) time | O(n) space
    def insert(self, value):
        if value < self.value:
            if self.left is None:
                self.left = BST(value)
            else:
                self.left.insert(value)
        else:
            if self.right is None:
                self.right = BST(value)
            else:
                self.right.insert(value)
        return self

    # Average: O(log(n)) time | O(log(n)) space
    # Worst: O(n) time | O(n) space
    def contains(self, value):
        if value < self.value:
            if self.left is None:
                return False
            else:
                return self.left.contains(value)
        elif value > self.value:
            if self.right is None:
```

Your Solutions Run Code

Solution 1 Solution 2 Solution 3

```python
# Do not edit the class below except for
# the insert, contains, and remove methods.
# Feel free to add new properties and methods
# to the class.
class BST:
    def __init__(self, value):
        self.value = value
        self.left = None
        self.right = None

    def insert(self, value):
        # Write your code here.
        # Do not edit the return statement of this method.
        return self

    def contains(self, value):
        # Write your code here.
        pass

    def remove(self, value):
        # Write your code here.
        # Do not edit the return statement of this method.
        return self

```

Our Tests

Custom Output Submit Code

Run or submit code when you're ready.