Our Solution(s) Run Code

Solution 1 Solution 2

```java
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class Program {
  // Average: O(log(n)) time | O(1) space
  // Worst: O(n) time | O(1) space
  public static int findClosestValueInBst(BST tree, int target) {
    return findClosestValueInBst(tree, target, Double.MAX_VALUE);
  }

  public static int findClosestValueInBst(BST tree, int target, doubl
    BST currentNode = tree;
    while (currentNode != null) {
      if (Math.abs(target - closest) > Math.abs(target - currentNode.
        closest = currentNode.value;
      }
      if (target < currentNode.value) {
        currentNode = currentNode.left;
      } else if (target > currentNode.value) {
        currentNode = currentNode.right;
      } else {
        break;
      }
    }
    return (int) closest;
  }

  static class BST {
    public int value;
    public BST left;
    public BST right;

    public BST(int value) {
      this.value = value;
```

Your Solutions Run Code

Solution 1 Solution 2 Solution 3

```java
class Program {
  public static int findClosestValueInBst(BST tree, int target) {
    // Write your code here.
    return -1;
  }

  static class BST {
    public int value;
    public BST left;
    public BST right;

    public BST(int value) {
      this.value = value;
    }
  }
}

```

Our Tests

Custom Output Submit Code

Run or submit code when you're ready.