Solution 1 Solution 2

#include <vector>

4 using namespace std;

16 17

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24 25 }

26

27 } 28

9 // $O(\log(n))$ time | O(1) space

while (left <= right) {</pre>

return middle;

} else {

return -1;

right = middle - 1;

left = middle + 1;

Your Solutions

Solution 1 Solution 2 Solution 3

Run Code

Our Solution(s)

1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.

6 int binarySearch(vector<int> array, int target);

10 int binarySearch(vector<int> array, int target) {

int middle = (left + right) / 2;

int potentialMatch = array[middle]; if (target == potentialMatch) {

} else if (target < potentialMatch) {</pre>

```
Run Code
```

```
int binarySearchHelper(vector<int> array, int target, int left, int r
     return binarySearchHelper(array, target, 0, array.size() - 1);
14 int binarySearchHelper(vector<int> array, int target, int left, int r
```

```
1 #include <vector>
2 using namespace std;
4 int binarySearch(vector<int> array, int target) {
5 // Write your code here.
6 return -1;
7 }
```

Our Tests Custom Output Submit Code

Run or submit code when you're ready.

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