

## 1450. Number of Students Doing Homework at a Given Time

Submissions (/contest/weekly-contest-189/problems/number-of-students-doing-homework-at-a-given-time/submissions/)

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Given two integer arrays `startTime` and `endTime` and given an integer `queryTime`.

The  $i$ th student started doing their homework at the time `startTime[i]` and finished it at time `endTime[i]`.

Return the number of students doing their homework at time `queryTime`. More formally, return the number of students where `queryTime` lays in the interval `[startTime[i], endTime[i]]` inclusive.

User Accepted: 7057

User Tried: 7163

Total Accepted: 7173

Total Submissions: 8340

Difficulty: Easy

### Example 1:

**Input:** `startTime = [1,2,3]`, `endTime = [3,2,7]`, `queryTime = 4`

**Output:** 1

**Explanation:** We have 3 students where:

The first student started doing homework at time 1 and finished at time 3 and wasn't doing anything at time 4.

The second student started doing homework at time 2 and finished at time 2 and also wasn't doing anything at time 4.

The third student started doing homework at time 3 and finished at time 7 and was the only student doing homework at time 4.

### Example 2:

**Input:** `startTime = [4]`, `endTime = [4]`, `queryTime = 4`

**Output:** 1

**Explanation:** The only student was doing their homework at the `queryTime`.

### Example 3:

**Input:** `startTime = [4]`, `endTime = [4]`, `queryTime = 5`

**Output:** 0

### Example 4:

**Input:** `startTime = [1,1,1,1]`, `endTime = [1,3,2,4]`, `queryTime = 7`

**Output:** 0

### Example 5:

**Input:** `startTime = [9,8,7,6,5,4,3,2,1]`, `endTime = [10,10,10,10,10,10,10,10,10]`, `queryTime = 5`

**Output:** 5

### Constraints:

- `startTime.length == endTime.length`

- `1 <= startTime.length <= 100`
- `1 <= startTime[i] <= endTime[i] <= 1000`
- `1 <= queryTime <= 1000`

Discuss (<https://leetcode.com/problems/number-of-students-doing-homework-at-a-given-time/discuss>)

JavaScript



```
1 /**
2  * @param {number[]} startTime
3  * @param {number[]} endTime
4  * @param {number} queryTime
5  * @return {number}
6  */
7 var busyStudent = function(startTime, endTime, queryTime) {
8
9 };
```

☐ Custom Testcase

☒ Use Example Testcases

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