 Interview Cake

← course home (/table-of-contents)

Suppose we had a list⅃ of n integers *sorted in ascending order*. How quickly could we check if a given integer is in the list?

Solution

Because the list is sorted, we can use binary search⅃ to find the item in $O(\lg n)$ time and $O(1)$ additional space.

← course home (/table-of-contents)

Next up: In-Place Shuffle ➡ (/question/shuffle?
course=fc1&section=combinatorics-probability-math)

Want more coding interview help?

Check out **interviewcake.com** for more advice, guides, and practice questions.