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325. Maximum Size Subarray Sum Equals k

Medium   👍 856   👎 31   ♡ Add to List   ⬆ Share

Given an array *nums* and a target value *k*, find the maximum length of a subarray that sums to *k*. If there isn't one, return 0 instead.

Note:

The sum of the entire *nums* array is guaranteed to fit within the 32-bit signed integer range.

Example 1:

```
Input: nums = [1, -1, 5, -2, 3], k = 3
Output: 4
Explanation: The subarray [1, -1, 5, -2] sums to 3 and is the longest.
```

Example 2:

```
Input: nums = [-2, -1, 2, 1], k = 1
Output: 2
Explanation: The subarray [-1, 2] sums to 1 and is the longest.
```

Follow Up:

Can you do it in $O(n)$ time?

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