

Problem List

DescriptionEditorialSolutionsSubmissions

1099. Two Sum Less Than K

Premium

Solved

EasyTopicsCompaniesHint

Given an array `nums` of integers and integer `k`, return the maximum `sum` such that there exists `i < j` with `nums[i] + nums[j] = sum` and `sum < k`. If no `i, j` exist satisfying this equation, return `-1`.

Example 1:  
Input: `nums = [34,23,1,24,75,33,54,8]`, `k = 60`  
Output: `58`  
Explanation: We can use 34 and 24 to sum 58 which is less than 60.

Example 2:  
Input: `nums = [10,20,30]`, `k = 15`  
Output: `-1`  
Explanation: In this case it is not possible to get a pair sum less than 15.

Constraints:

- `1 <= nums.length <= 100`
- `1 <= nums[i] <= 1000`
- `1 <= k <= 2000`

Seen this question in a real interview before? 1/5

Accepted 133.4K | Submissions 215.8K | Acceptance Rate 61.8%

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1.1K12

Code

Python3Auto

```
1 class Solution:
2     def twoSumLessThanK(self, nums: List[int], k: int) -> int:
3
4         maxi = -1
5
6         for i in range(0, len(nums)-1):
7             for j in range(i+1, len(nums)):
8                 temp = nums[i] + nums[j]
9
10                if temp < k:
11                    if temp > maxi:
12                        maxi = temp
13
14            return maxi
15
```

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TestcaseTest Result

AcceptedRuntime: 39 ms

Case 1Case 2

Input

nums =  
[34,23,1,24,75,33,54,8]

k =  
60

Output

58

Expected