1099. Two Sum Less Than K Premium

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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 that 15.
```

Constraints:

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

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

Yes No

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Hint 1

What if we have the array sorted?

Hint 2

Loop the array and get the value A[i] then we need to find a value A[j] such that A[i] + A[j] < K which means A[j] < K - A[i]. In order to do that we can find that value with a binary search.

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