CCCHK '15 S1 - Finding number of pairs

Time limit: 0.1s
Java: 0.3s
Python 2: 0.3s
Python 3: 0.3s

Memory limit: 256M

Given a sequence of n integers $A[1], A[2], \ldots, A[n]$ and a nonnegative integer M, count the number of pairs (i, j) that satisfy the following two conditions: $i < j$, and $A[i] + A[j] \leq M$.

Input Specification

- The first line contains integers n $(2 \leq n \leq 10^5)$ and M $(0 \leq M \leq 10^9)$, separated by a space.
- The second line contains n integers, which denotes $A[1], A[2], \ldots, A[n]$ $(0 \leq A[i] \leq 10^9)$.
- In 50% of the test cases, $n \leq 1000$.

Output Specification

- The output contains an integer, which denotes the number of pairs that satisfy the two conditions.
- If the output is smaller than $10^9 + 7$, please keep it as is. Otherwise, output the number *mod* $10^9 + 7$.

Sample Input 1

```
5 6
1 2 3 4 5
```

Sample Output 1

```
6
```

Sample Input 2

```
5 12
3 6 8 2 8
```

Sample Output 2

```
7
```

Explanation: In Sample 1, among the pairs, $(1,2)$, $(1,3)$, $(1,4)$, $(1,5)$, $(2,3)$, $(2,4)$ satisfy the conditions. In Sample 2, $(1,2)$, $(1,3)$, $(1,4)$, $(1,5)$, $(2,4)$, $(3,4)$, $(4,5)$ satisfy the conditions.