# Fraction pairs with sum 1

Given a list of N fractions, represented as two lists **numerator** and **denominator**, the task is to determine the count of pairs of fractions whose sum equals 1.

#### Example 1:

```
Input:
N = 4
numerator = [1, 2, 2, 8]
denominator = [2, 4, 6, 12]
Output:
2
Explanation:
Fractions 1/2 and 2/4 sum to 1. Similarly fractions 2/6 and 8/12 sum to 1. So there are 2 pairs of fractions which sum to 1.
```

### Example 2:

```
Input:
N = 5
numerator = [3, 1, 12, 81, 2]
denominator = [9, 10, 18, 90, 5]
Output:
2
Explanation:
Fractions 3/9 and 12/18 sum to 1. Similarly fractions
1/10 and 81/90 sum to 1. So there are 2 pairs of
fractions which sum to 1.
```

#### Your task:

You don't need to read input or print anything. Your task is to complete the function **countFractions()** which take integer **N** and arrays **numerator** and **denominator** of size N as arguments, and returns an integer.

**Expected Time Complexity:** O(N\*log(N))

**Expected Auxiliary Space:** O(N)

## **Constraints:**

$$1 <= N <= 10^5$$

 $1 \le numerator[i] \le denominator[i] \le 10^9$