## Count Triplets

You are given an array and you need to find number of tripets of indices $(i, j, k)$ such that the elements at those indices are in geometric progression for a given common ratio $r$ and $i<j<k$.

## Example

$\operatorname{arr}=[1,4,16,64] r=4$
There are $[1,4,16]$ and $[4,16,64]$ at indices $(0,1,2)$ and $(1,2,3)$. Return 2 .

## Function Description

Complete the countTriplets function in the editor below.
countTriplets has the following parameter(s):

- int arr[n]: an array of integers
- int $r$ : the common ratio


## Returns

- int: the number of triplets


## Input Format

The first line contains two space-separated integers $n$ and $r$, the size of $\operatorname{arr}$ and the common ratio. The next line contains $n$ space-seperated integers $\operatorname{arr}[i]$.

## Constraints

- $1 \leq n \leq 10^{5}$
- $1 \leq r \leq 10^{9}$
- $1 \leq \operatorname{arr}[i] \leq 10^{9}$


## Sample Input 0

```
4
1 2 24
```


## Sample Output 0

## Explanation 0

There are 2 triplets in satisfying our criteria, whose indices are $(0,1,3)$ and $(0,2,3)$

## Sample Input 1

## Sample Output 1

6

## Explanation 1

The triplets satisfying are index $(0,1,2),(0,1,3),(1,2,4),(1,3,4),(2,4,5)$ and $(3,4,5)$.

## Sample Input 2

```
5 5
1 5 5 25 125
```


## Sample Output 2

4

## Explanation 2

The triplets satisfying are index $(0,1,3),(0,2,3),(1,3,4),(2,3,4)$.

