

Morning Breakfast

Jojo always starts his morning with a bowl of cereal and milk. However, his stock of cereal and milk ran out. As he arrived in the store looking for cereal and milk, he realizes that he forgot to bring his wallet. Fortunately, he found some changes in his pocket totalling K . In this store, there are N variants of cereal and milk each with its own prices, A_i for cereal and B_i for milk. As Jojo is lazy and doesn't want to go back home just to take his wallet, he decided to buy a pack of cereal and a jug of milk with a total price equal to his money. Help Jojo find out how many pairs of cereal and milk satisfies his requirement.

Format Input

A line with two integers N and K followed by two lines each consisting of N numbers, denoting the value of A_i in the first line and B_i in the second.

Format Output

A single line of integer denoting the number of pairs of cereal and milk that satisfies Jojo's requirement.

Constraints

- $1 \leq N \leq 10^3$
- $1 \leq K, A_i, B_i \leq 10^9$

Sample Input 1

```
4 7
1 3 5 4
2 9 1 4
```

Sample Output 1

```
2
```

Sample Input 2

```
7 9
2 7 2 7 2 7 2
2 7 2 7 2 7 2
```

Sample Output 2

```
24
```

Sample Input 3

```
4 3
1 2 3 4
2 2 2 1
```

Sample Output 3

```
4
```

Morning Breakfast

Jojo selalu memulai pagi harinya dengan sebuah mangkuk sereal dengan susu. Namun, ternyata Jojo kehabisan susu dan sereal. Pada saat Ia sampai di toko untuk mencari sereal dan susu, Ia baru sadar bahwa dompetnya tertinggal di rumah. Untungnya, terdapat uang di saku celananya berjumlah K . Di toko ini, terdapat N tipe sereal dan susu dengan harganya masing-masing, A_i adalah harga sereal ke- i dan B_i adalah harga susu ke- j . Karena Jojo malas untuk kembali ke rumah untuk mengambil dompet, Ia memutuskan untuk membeli sepasang sereal dan susu yang harga totalnya sama dengan uang yang Ia miliki. Bantulah Jojo mencari tahu ada berapa pasang sereal dan susu yang memenuhi kriterianya.

Format Input

Satu baris berisi dua bilangan bulat N dan K diikuti oleh dua buah baris masing-masing berisi N angka yang menyatakan nilai A_i pada baris pertama dan B_i pada baris kedua.

Format Output

Satu baris berisi bilangan yang menyatakan jumlah pasang sereal dan susu yang memenuhi kriteria Jojo.

Constraints

- $1 \leq N \leq 10^3$
- $1 \leq K, A_i, B_i \leq 10^9$

Sample Input 1

```
4 7
1 3 5 4
2 9 1 4
```

Sample Output 1

```
2
```

Sample Input 2

```
7 9
2 7 2 7 2 7 2
2 7 2 7 2 7 2
```

Sample Output 2

```
24
```

Sample Input 3

```
4 3
1 2 3 4
2 2 2 1
```

Sample Output 3

```
4
```