# Count Subarrays with Xor as K

### Problem Description

Given an array of integers **A** and an integer **B**.

Find the total number of subarrays having bitwise XOR of all elements equals to B.

### Problem Constraints

1 <= length of the array <= $10^5$

1 <= A[i], B <= $10^9$

### Input Format

The first argument given is the integer array A.
The second argument given is integer B.

### Output Format

Return the total number of subarrays having bitwise XOR equals to B.

### Example Input

Input 1:

```
A = [4, 2, 2, 6, 4]
B = 6
```

Input 2:

```
A = [5, 6, 7, 8, 9]
B = 5
```

### Example Output

Output 1:

```
4
```

Output 2:

```
2
```

**Example Explanation**

Explanation 1:

```
The subarrays having XOR of their elements as 6 are:
[4, 2], [4, 2, 2, 6, 4], [2, 2, 6], [6]
```

Explanation 2:

```
The subarrays having XOR of their elements as 5 are [5] and [5, 6, 7, 8, 9]
```