

Question 1: Watermelon

Given the weight of a watermelon, determine whether it's possible to divide the watermelon into two pieces where the weight of each piece is even.

Sample Input:

8

Sample Output:

Yes

Sample Input:

3

Sample Output:

No

Question 2: Even digits

Given two digits a, b print how many even numbers are in between them.

Sample Input:

1 4

Sample Output:

1

Sample Input:

5 12

Sample Output:

3

Question 3: Sum digits

Given an integer return the sum of its digits.

Sample Input:

123

Sample Output:

6

Sample Input:

444

Sample Output:

12

Question 4: Count max digit:

Given a sequence of digits find the maximum digit and how many times it appears, input is terminated by zero.

Sample Input:

3 4 5 3 5 5 0

Sample Output:

5, 3

Question 5: Powers:

Given two integers n and m print n to the power of m .

Sample Input:

3 2

Sample Output:

9

Sample Input:

2 4

Sample Output:

16

Question 6: Palindrome:

Given a number check if it's a palindrome or not.

Sample Input:

424

Sample Output:

Yes

Sample Input:

123

Sample Output:

No

Question 7: Winners:

A total of n participants took part in a contest, we know that if a participant has a positive score that is more than or equal to the k^{th} participant then he will advance to the next round.

Given n , k and the scores of the participants. Find out how many participants will advance to the next round.

Sample Input:

8 5
10 9 8 7 7 7 5 5

Sample Output:

6

Sample Input:

4 2
0 0 0 0

Sample Output:

0