One Dimensional Arrays

1. Write a program to read an array of integers of size 5 and print it.

2. Write a program to read an integer array and to display only the even numbers of the array.

3. Write a program to read a floating point array and to display it in the reverse order.

4. Write a program to implement linear search.

5. Write a program to accept 10 numbers from the user and to find out the largest and smallest of those.

6. Write a program to accept a set of numbers and to display the deviation of each number from the average.

7. Write a program to accept two vectors of R^5 and find out the sum of those two. (Vectors of R^5 contains 5 numbers)

8. Write a program to delete a number from an integer array.

9. Write a program to insert an element in the correct position of a sorted integer array.

10. Write a program to merge two integer arrays of size 5 into a third array.

11. Write a program to merge two sorted arrays into a single sorted array.

12. Try out the following:

```
a. int a[5];
// try to print the contents of the array.

b. int a[5]= {1,2,3,4,5};
// try to print the contents of the array.

c. int a[5]={1};
// try to print the contents of the array.

d. int a[5]= {1,2,3,4,5,6};
// try to print the contents of the array.

e. int a[]={1,2,3};
// use sizeof operator and find out the size of a

f. int a[3];
   a[0]=10; a[1]=20;a[2]=30;
// try to print the contents of the array.
```

Let's go competitive

13. Mishka started participating in a programming contest. There are n problems in the contest. Mishka's problem-solving skill is equal to k.

Mishka arranges all problems from the contest into a list. Because of his weird principles, Mishka only solves problems from one of the ends of the list. Every time, he chooses which end (left or right) he will solve the next problem from. Thus, each problem Mishka solves is either the leftmost or the rightmost problem in the list.

Mishka cannot solve a problem with difficulty greater than k. When Mishka solves the problem, it disappears from the list, so the length of the list decreases by 1. Mishka stops when he is unable to solve any problem from any end of the list.

How many problems can Mishka solve?

Input

The first line of input contains two integers n and k ($1 \le n,k \le 100$) — the number of problems in the contest and Mishka's problem-solving skill.

The second line of input contains n integers $a_1,a_2,\ldots,a_n$ ($1 \le a_i \le 100$), where ai is the difficulty of the i-th problem. The problems are given in order from the leftmost to the rightmost in the list.

Output

Print one integer — the maximum number of problems Mishka can solve.

Examples

input

8 4

4 2 3 1 5 1 6 4

output

5

input

5 2

3 1 2 1 3

output

0

input

5 100

12 34 55 43 21

output

5

Submit your solution in
https://codeforces.com/problemset/problem/999/A

14. Greg is a beginner bodybuilder. Today the gym coach gave him the training plan. All it had was n integers a_1, a_2, ..., a_n. These numbers mean that Greg needs to do exactly n exercises today. Besides, Greg should repeat the i-th in order exercise a_i times.

    Greg now only does three types of exercises: "chest" exercises, "biceps" exercises and "back" exercises. Besides, his training is cyclic, that is, the first exercise he does is a "chest" one, the second one is "biceps", the third one is "back", the fourth one is "chest", the fifth one is "biceps", and so on to the n-th exercise.

    Now Greg wonders, which muscle will get the most exercise during his training. We know that the exercise Greg repeats the maximum number of times, trains the corresponding muscle the most. Help Greg, determine which muscle will get the most training.

    Input
    The first line contains integer n ($1 \le n \le 20$). The second line contains n integers a_1, a_2, ..., a_n ($1 \le a_i \le 25$) — the number of times Greg repeats the exercises.

    Output
    Print word "chest" (without the quotes), if the chest gets the most exercise, "biceps" (without the quotes), if the biceps gets the most exercise and print "back" (without the quotes) if the back gets the most exercise.

    It is guaranteed that the input is such that the answer to the problem is unambiguous.

    Sample Input
    2
    2 8
    Sample Output
    biceps

    Sample Input
    7
    3 3 2 7 9 6 8
    Sample Output
    Chest

    Submit your solution in
    https://codeforces.com/contest/255/problem/A