# Problem A. 79054. Battleship

Input file: standard input
Output file: standard output

Time limit: 1 second Memory limit: 256 megabytes

Given 2D array. Then k times given coordinates of cells i, j that need to be bombed. Print amount of all surviving sells.

#### Input

First line contains n, m - size of 2D array(1<=n<=10, 1<=m<=10). Second line contains k - amount of bombing(0<=k<=10). Then n times given i, j - coordinates of cells that need to be bombed(0<=i<=10, 0<=j<=10).

#### Output

Print solution for the problem.

standard input	standard output
4 5	17
3	
0 1	
0 1 3 4	
1 2	

# Problem B. 78564 Clock

Input file: standard input
Output file: standard output

Time limit: 1 second Memory limit: 256 megabytes

Given how many hours the clock shows. Find the degree of the clock regarding to 12.

# Input

Single integer h, 0<=h<=12.

## Output

Single integer d degree between present time and 12. 0 <= d <= 180.

standard input	standard output
3	90

# Problem C. 78495 Flip the coin

Input file: standard input
Output file: standard output

Time limit: 1 second Memory limit: 256 megabytes

Given coin whose eagle side looks up. Find the side of coin that looks up after n flips.

## Input

Input contains integer  $0 \le n \le 10^9$ .

## Output

Output EAGLE if after all flips coin's eagle side looks up or TAILS otherwise.

standard input	standard output
1	TAILS

# Problem D. 79155 Piggy bank

Input file: standard input
Output file: standard output

Time limit: 1 second Memory limit: 256 megabytes

N times given the name of the person and how much money he putted in the piggy bank.

## Input

First line contains  $n(1 \le n \le 15)$ .

## Output

Print names in ascending order and total money of this person putted into piggy bank.

standard input	standard output
5	Ayan 75
Ayan 5	Jonger 6
Jonger 6	Roma 30
Ayan 20	
Roma 30	
Ayan 50	

# Problem E. 78668 Longest window

Input file: standard input
Output file: standard output

Time limit: 1 second Memory limit: 256 megabytes

Given an array where every number with even index i(indexes started from 1) represents the time when lesson starts. And every next number with index i+1 represents the time when the lesson ends. Find the length of longest gap aka "window" between lessons.

#### Input

In first line you have n - size of the array. (2 <= n <= 20) Second line contains elements of the array. n - even number.

#### Output

Print answer for the problem.

#### **Examples**

standard input	standard output
6	3
1 2 4 5 8 10	
2	0
1 2	
4	8
1 2 10 30	

#### Note

3rd example: 1st lesson starts at the 1 and ends at 2. 2nd lesson starts at the 10 and ends at 30. So we have only one gap with the length 8.

# Problem F. 79080 Sort the string

Input file: standard input
Output file: standard output

Time limit: 1 second Memory limit: 256 megabytes

Given string containing n numerals(0<=n<=9). Sort numerals in increasing order. Print changed string.

## Input

Given string.

## Output

Print solution for this problem.

standard input	standard output
87654321	12345678

# Problem G. 79009 Train

Input file: standard input
Output file: standard output

Time limit: 1 second Memory limit: 256 megabytes

Given an array where differences between i's value and (i + 1)'s value is the distance between stations i and i + 1. Find how much time does it take to reach the final station if train move with speed v.

#### Input

First line contains n - size of an array(2<=n<=100). Then given elements of an array. Third line contains v - speed of train(1<=v<=1000).

#### Output

Output contains double(print only 2 numbers after floating point).

standard input	standard output
4	3.00
1 -5 3 2	
5	