Problem A. 79082 abba

Input file:	`standard input`
Output file:	`standard output`
Time limit:	1 second
Memory limit:	256 megabytes

Given string containing n numerals(0<=n<=9). Find amount of substrings that is equal to "abba".

Input

Contains string.

Output

Print amount of substring that is equal to "abba".

Example

standard input	standard output
abbaghabbabba	3

Problem B. 78567 Almaz's work

Input file:	`standard input`
Output file:	`standard output`
Time limit:	1 second
Memory limit:	256 megabytes

Almaz dug up h miters of hollow in m hours. How many meters will Almaz dig up in t hours.

Input

Input contains integers h, m and t. (1<=h<=1000, 1<=m<=1000, 1<=t<=1000).

Output

Output the answer to the problem.

Example

standard input	standard output
10 5 2	4

Problem C. 78708 Gold

Input file:	`standard input`
Output file:	`standard output`
Time limit:	1 second
Memory limit:	256 megabytes

Given the amount of gold that we have. Then n times given prices that different banks offer us. Find how much we earn if we sell everything at the best price.

Input

First line contains amount of gold that we have. Second line contains amount of prices. Then n times given prices.

Output

Print solution for the problem

Example

standard input	standard output
100 4 12 34 10 9	3400

Problem D. 79159 Min

Input file:	`standard input`
Output file:	`standard output`
Time limit:	1 second
Memory limit:	256 megabytes

Given list of numbers. Find min from this list.

Input

Contains n - amount of numbers in the list(1<=n<=20). Then given list of numbers.

Output

Print solution for the problem

Example

standard input	standard output
4 1 2 3	1

Problem E. 78521 What month

Input file:	`standard input`
Output file:	`standard output`
Time limit:	1 second
Memory limit:	256 megabytes

Given the name of month of receiving first salary and how many month have been passed since the first salary. Find what is the month now.

Input

Input contains single string, without any spaces.

Output

Output name of the month(all letters should be in uppercase).

Examples

standard input	standard output
JANUARY 1	FEBRUARY
DECEMBER 3	MARCH

Problem F. 79015 Right shift

Input file:	`standard input`
Output file:	`standard output`
Time limit:	1 second
Memory limit:	256 megabytes

Given an array. Right shift array a times.

Input

First line contains n - size of an array. Then given elements of an array. Third line contains a - how many times array should be right shifted.

Output

Print changed array. All empty places in array should be filled with 0.

Example

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

Problem G. 79064 X

Input file:	`standard input`
Output file:	`standard output`
Time limit:	1 second
Memory limit:	256 megabytes

Given the number n. Print the nxn array by drawing the letter X using 1 to denote each pixel of the letter and 0 for everything else.

Input

Input contains n - size of non array(3<=n<=100).

Output

Print letter X

Example

standard input	standard output
5	1 0 0 0 1 0 1 0 1 0 0 0 1 0 0 0 1 0 1 0 1 0 0 0 1