

Problem A. 78524 Area of circle

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

Given radius of circle. Find area of this circle.

Input

Input contains single integer $1 \leq n \leq 1000$

Output

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

Example

standard input	standard output
13	530.93

Problem B. 78571 Change char

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

Given character ch. Increase ascii code of this character by 14 and print new character.

Input

Given char ch.

Output

Print answer for the problem.

Example

standard input	standard output
A	0

Problem C. 79084 To Hex

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

Given number. Print this number in hexadecimal.

Input

Contains integer n ($0 \leq n \leq 1000$).

Output

Print solution for the problem

Example

standard input	standard output
677	2A5

Problem D. 79065 L

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

Given the number n . Print the $n \times n$ array by drawing the letter L using 1 to denote each pixel of the letter and 0 for everything else.

Input

Input contains n - size of non array ($3 \leq n \leq 100$).

Output

Print letter L.

Example

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

Problem E. 79162 Max map

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

Given list of numbers. Find max from this list using map.

Input

Contains n - amount of numbers in the list($1 \leq n \leq 20$). Then given list of numbers.

Output

Print solution for the problem.

Example

standard input	standard output
3 1 2 3	3

Note

You should solve this problem using map.

Problem F. 78709 Divisibility

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

Given an array. Find how many elements of array is divisible by 2, 3, 4.

Input

In first line you have n - size of the array. ($1 \leq n \leq 20$) Second line contains elements of the array.

Output

Print solution for the problem.

Example

standard input	standard output
3 1 2 3	1 1 0

Problem G. 79020 Sum of substring

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

Given an array. Find a sequence of 2 numbers for which the sum of this sequence will be less than the sum of others sequences. Print the sum of this sequence.

Input

First line contains n - size of an array($2 \leq n \leq 100$). Then given elements of an array.

Output

Print solution for the problem.

Example

standard input	standard output
4 1 2 4 -1	3