

C. INTERCALC

time limit per test: 2 seconds
memory limit per test: 64 megabytes
input: standard input
output: standard output

DO YOU EXPECT ME TO FIND THIS OUT?
WHAT BASE AND/XOR LANGUAGE INCLUDES string?
DON'T BYTE OF MORE THAN YOU CAN CHEW
YOU CAN ONLY DISTORT THE LARGEST OF MATHEMATICS SO FAR
SAYING "ABRACADABRA" WITHOUT A MAGIC AND WON'T DO YOU ANY GOOD
THE LAST STACK RUPTURES. ALL DIE. OH, THE EMBARRASSMENT!
I HAVE NO ARRAY AND I MUST SCREAM
ELEMENTS MAY NOT BE STORED IN WEST HYPERSPACE

Input

The first line of input data contains a single integer n ($1 \leq n \leq 10$).

The second line of input data contains n space-separated integers a_i ($1 \leq a_i \leq 11$).

Output

Output a single integer.

Example

input
4 2 5 3 1
output
4