## Sabbir and Game

Sabbir is a little boy. he loves to play. One day his friend taskin suggested a new interesting game. there are n levels in the game. one should pass all the levels with a positive life-point. in some level one can increase his life-point by defeating the villain of the game or lose some life-point when one can't defeat the villain. Sabbir knows the points he is going to lose or increase in each level. determine the mnimum life-point sabbir should have initially ( at the starting of the game ) to pass all the levels with a positive life point.

Input
input consists of at most 100 test cases.
first line consists of a single integer $\mathrm{T}(1<=\mathrm{T}<=100)$ number of test cases
each test case is consists of two lines. first line consists of an integer n ( $1<=\mathrm{n}<=1000$ )
second line consists of $n$ space separated integer $a_{1}, a_{2} \ldots . . a_{n-1}, a_{n}\left(-10^{7}<=a_{i}<=10^{7}\right)$

## Output

for each test case print an integer in one line, the minimum life-point sabbir will need initially.

## Example

Input:
3
3
5-8 3
4
12-35
3
103

## Output:

