# Project Euler \#18: Maximum path sum I 

This problem is a programming version of Problem 18 from projecteuler.net
By starting at the top of the triangle below and moving to adjacent numbers on the row below, the maximum total from top to bottom is 23 . The path is denoted by numbers in bold.

3
74
246
8593
That is, $3+7+4+9=23$.
Find the maximum total from top to bottom of the triangle given in input.

## Input Format

First line contains $T$, the number of testcases. For each testcase:
First line contains $N$, the number of rows in the triangle.
For next $N$ lines, $i$ 'th line contains $i$ numbers.

## Constraints

- $1 \leqslant T \leqslant 10$
- $1 \leqslant N \leqslant 15$
- numbers $\in[0,100)$


## Output Format

For each testcase, print the required answer in a newline.

## Sample Input

$\square$

## Sample Output

```
2 3
```


## Explanation

As shown in statement.

