Project Euler #13: Large sum

This problem is a programming version of Problem 13 from projecteuler.net

Work out the first ten digits of the sum of N $50-digit$ numbers.

Input Format

First line contains N, next N lines contain a 50 digit number each.

Constraints

- $1 \leqslant N \leqslant 10^3$

Output Format

Print only first 10 digit of the final sum

Sample Input

```
5
37107287533902102798797998220837590246510135740250
46376937677490009712648124896970078050417018260538
74324986199524741059474233309513058123726617309629
91942213363574161572522430563301811072406154908250
23067588207539346171171980310421047513778063246676
```

Sample Output

```
2728190129
```

Explanation

Summing the numbers we get $2728190129829203036131461476730104358500683798946534 3$, first 10 digits are 2728190129.