Reverse The Number Problem Code: FLOW007

If an Integer **N**, write a program to reverse the given number.

Input

The first line contains an integer **T**, total number of testcases. Then follow **T** lines, each line contains an integer **N**.

Output

Display the reverse of the given number **N**.

Constraints

- 1 ≤ **T** ≤ 1000
- 1 ≤ **N** ≤ 100000

Example

Input

3

12345

31203

2123

Output

54321

30213

3212