

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

$$1 \leq T \leq 1000$$

$$1 \leq N \leq 1000000$$

Example

Input

4

12345

31203

2123

2300

Output

54321

30213

3212

32

Solution

```
#include <iostream>
using namespace std;
int main()
{
    int num,rev=0,n;
    cin>>n;

    while(n>0){
        cin>>num;
        rev =0;
```

```
        while(num!=0){
            rev = ((rev*10) +(num%10));
            num = num /10;
        }
        cout<<rev<<endl;
        n--;
    }
    return 0;
}
```