

Reverse order

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[English version](#)

Reverse order of given numbers.

Input

The first line of the standard input contains one integer t ($t < 1001$) which is the number of test cases.

In each of the next t lines there is one integer n ($n < 1001$).

Output

The t numbers in reverse order.

Example

Input:

5
7
4
1
0
8

Output:

8
0
1
4
7