## Another Box Problem

There are N numbered boxes placed on a table, let Bi denote the ith box in the line. Write a program that finds the total number of ways to place $N$ identical balls such that atmost $k$ balls are present in the boxes B1, $\qquad$ ,Bk for $1<=k<=N$. Since the number can be quite large you are supposed to output the answer modulo 761238923.

## Input

Input will contain multiple testcases, on each line $N(1<=N<=100)$ will be given. The last line contains 0 which should not be processed.

## Output

For each testcase output exactly one line, the total number possible of ways modulo 761238923.

## Example

Input:
1
2
0
Output:
1
2

