#include <iostream>

using namespace std;

int recA(int n)

{

int a0 = 0, a1 = 3, a2 = -2, a;

if (n < 0) return -1;

if (n == 0) return a0;

if (n == 1) return a1;

if (n == 2) return a2;

for (int i = 1; i < n; i++) {

a = 3 \* a1 - a0;

a0 = a1; a1 = a;

}

return a;

}

int main()

{

setlocale(LC\_ALL,"Russian");

do

{

int n, result;

cout << "Введите n: ";

cin >> n;

result = recA(n);

cout << "\nРезультат " << result << endl;

cout << "---------------" << endl;

} while (true);

return 0;

}