#include <iostream>

using namespace std;

int factorial(int n)

{

if (n < 0)

return 0;

if (n == 0)

return 1;

else

return n \* factorial(n - 1);

}

int main()

{

setlocale( LC\_ALL, "Russian");

int a;

cout << "Введите A: ";

cin >> a;

int n = 1;

while (factorial(n) <= a)

{

if (factorial((n + 1)) > a)

{

break;

} else n++;

}

cout << "n= " << n;

return 0;

}