

Problem D. Factorial

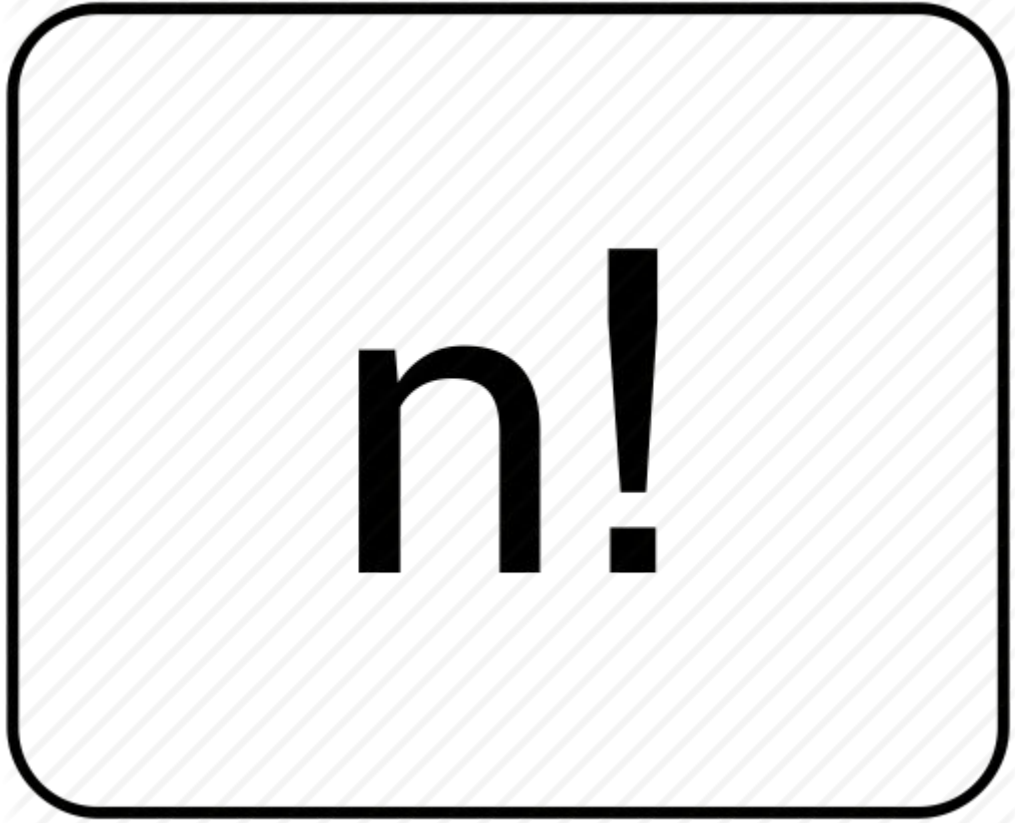
Given a non-negative integer n, calculate the value of n !.

Input data
The number n is entered.

Output
Print the answer to the problem.

Examples of
input data
3

output
6



```
int n;
int result;

std::cin >> n;
result = 1;
// n! = factorial

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

std::cout << result << std::endl;
```

```
int n;
int result;

std::cin >> n;
result = 1;
// n! = factorial

for (; n >= 1; n--) {
    result = result * n;
}

std::cout << result << std::endl;
```

```
int n;
int result;

std::cin >> n;
result = 1;
// n! = factorial

for (i=n; i>=1; i--) {
    result = result * i;
}

std::cout << result << std::endl;
```