

```
1 define factorial(integer n) -> integer {
2     if [n = 0 || n = 1] { return 1; }
3     return n * factorial(n - 1);
4 }
5
6 print("10! = "); println( factorial(10) );
7 print(" 9! = "); println( factorial(9) );
8 print(" 8! = "); println( factorial(8) );
9 print(" 7! = "); println( factorial(7) );
10 print(" 6! = "); println( factorial(6) );
11 print(" 5! = "); println( factorial(5) );
12 print(" 4! = "); println( factorial(4) );
13 print(" 3! = "); println( factorial(3) );
14 print(" 2! = "); println( factorial(2) );
15 print(" 1! = "); println( factorial(1) );
16 print(" 0! = "); println( factorial(0) );
17
```

zb@ubuntu: ~/cpp_projects/BO_LANG/main/test

zb@ubuntu:~/cpp_projects/BO_LANG/main/test\$ boc recursion.bo

zb@ubuntu:~/cpp_projects/BO_LANG/main/test\$ bo recursion

10! = 3628800

9! = 362880

8! = 40320

7! = 5040

6! = 720

5! = 120

4! = 24

3! = 6

2! = 2

1! = 1

0! = 1

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