#include <stdio.h>

#define MAX 500

int multiply(int x, int result[], int result\_size) {

int carry = 0;

for (int i = 0; i < result\_size; i++) {

int prod = result[i] \* x + carry;

result[i] = prod % 10;

carry = prod / 10;

}

while (carry) {

result[result\_size] = carry % 10;

carry /= 10;

result\_size++;

}

return result\_size;

}

void extraLongFactorials(int n) {

int result[MAX];

result[0] = 1;

int result\_size = 1;

for (int x = 2; x <= n; x++) {

result\_size = multiply(x, result, result\_size);

}

for (int i = result\_size - 1; i >= 0; i--) {

printf("%d", result[i]);

}

printf("\n");

}

int main() {

int n;

scanf("%d", &n);

extraLongFactorials(n);

return 0;

}