#include <stdio.h>

int factorial(int n) {

int result = 1;

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

result \*= i;

}

return result;

}

int main() {

int N;

double E = 1.0;

printf("Digite um valor N: ");

scanf("%d", &N);

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

E += 1.0 / factorial(i);

}

printf("Valor de E: %.6f\n", E);

return 0;

}