#include <stdio.h>

// Function to calculate factorial recursively

int factorial(int n)

{

if (n == 0 || n == 1)

return 1;

else

return n \* factorial(n - 1);

}

// Function to calculate the sum of the series

void sum\_series(int n)

{

if (n == 1)

printf("1!/1 = 1\n");

else

{

sum\_series(n-1);

printf("%d!/%d + ", n, n);

}

}

int main()

{

int n, i, sum = 0;

printf("Enter the value of n: ");

scanf("%d", &n);

sum\_series(n);

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

sum += factorial(i) / i;

printf("\b\b= %d\n", sum);

return 0;

}