/\*Cau a

So phuong an de di duoc het n bac la Pn

Khi n>=2

Ta chia cac phuong an len cau thang n bac thanh 2 truong hop

TH1 : buoc dau tien buoc 1 bac

- Khi do ta can phai buoc them n-1 bac nua

- Vay so phuong an trong TH1 la P(n-1)

TH2 : buoc dau tien buoc 2 bac

- Khi do ta can phai buoc them n-2 bac nua

- Vay so phuong an trong TH2 la P(n-2)

Tong cong so phuong an len cau thang n (n>2) bac la Pn = P(n-1) + P(n-2)

Neu n = 0 hoac n = 1 thi ta co Pn = 1

\*/

//Cach bottom-up

int CountSolution(int n) {

int \* P = new int [n+1];

P[0] = P[1] = 1;

for (int i = 2; i <= n;i++)

P[i] = P[i-1] + P[i-2];

int ans = P[n];

delete P;

return ans;

}

#include <stdio.h>

int main() {

int n;

scanf("%d", &n);

printf("%d",CountSolution(n));

}