A child is running up a staircase with N steps, and can hop either 1 step, 2 steps or 3 steps at a time. Implement a method to count how many possible ways the child can run up to the stairs. You need to return number of possible ways W.

import java.util.Scanner;

public class Staircase {

public static void main(String[] args) {

Scanner s = new Scanner(System.*in*);

int n = s.nextInt();

System.*out*.println(*staircase*(n));

}

public static int staircase(int n){

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

return 1;

}

if(n==2) {

return 2;

}

int x=*staircase*(n-1);

int y=*staircase*(n-2);

int z=*staircase*(n-3);

return x+y+z;

}

}