import java.io.\*;

import java.util.\*;

import java.text.\*;

import java.math.\*;

import java.util.regex.\*;

public class Solution {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

int num = scanner.nextInt();

int a = 0, b = 1;

System.out.print(a);

while (b <= num) {

System.out.print(" " + b);

int next = a + b;

a = b;

b = next;

}

}

}