//half diamond star pattern

import java.util.Scanner;

public class Main{

public static void halfDiamondStarPattern(int n){

System.out.println("half diamond star pattern is : ");

for(int i=1;i<=2\*n-1;i++){

int stars=i;

if(i>n){

stars=2\*n-i;

}

for(int j=1;j<=stars;j++){

System.out.print("\* ");

}

System.out.println();

}

}

public static void main(String[] args){

Scanner sc=new Scanner(System.in);

System.out.println("enter n: ");

int n=sc.nextInt();

halfDiamondStarPattern(n);

}

}