//diamond star pyramid

import java.util.Scanner;

public class Main{

public static void diamondStarPyramid(int n){

System.out.println("DIAMOND STAR PYRAMID IS: ");

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

for(int j=1;j<=n-i;j++){

System.out.print(" ");

}

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

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

}

for(int l=1;l<=n-i;l++){

System.out.print(" ");

}

System.out.println();

}

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

for(int j=i-1;j>=1;j--){

System.out.print(" ");

}

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

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

}

for(int l=i-1;l>=1;l--){

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();

diamondStarPyramid(n);

}

}