import java.util.Scanner;

public class ButterflyPattern {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

int n = sc.nextInt();

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

printStars(i);

printSpaces(2 \* (n - i) + 1);

printStars(i);

System.out.println();

}

// Lower half

int start = (n % 2 == 0) ? n : n - 1;

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

printStars(i);

printSpaces(2 \* (n - i) + 1);

printStars(i);

System.out.println();

}

}

private static void printStars(int count) {

for (int i = 0; i < count; i++) {

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

}

}

private static void printSpaces(int count) {

for (int i = 0; i < count; i++) {

System.out.print(" ");

}

}

}