//hill alpha ramp pattern

import java.util.Scanner;

public class Main{

public static void hillAlphaRampPattern(int n){

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

for(int j=0;j<n-i-1;j++){

System.out.print(" ");

}

char ch='A';

int bp=(2\*i+1)/2;

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

System.out.print(ch);

if(j<=bp){

ch++;

}

else{

ch--;

}

}

for(int j=0;j<n-i-1;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();

hillAlphaRampPattern(n);

}

}