//triangle alpha ramp pattern

import java.util.Scanner;

public class Main{

public static void triangleAlphaRampPattern(int n){

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

for(char ch=(char)(int)('A'+n-i-1);ch<=(char)(int)('A'+n-1);ch++){

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

}

System.out.println();

}

}

public static void main(String[] args){

Scanner sc=new Scanner(System.in);

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

int n=sc.nextInt();

triangleAlphaRampPattern(n);

}

}