import java.util.\*;

public class pyramid

{

public static void main(String[] args)

{

Scanner in=new Scanner(System.in);

System.out.print("Enter the number of levels for the number pyramid : ");

int levels=in.nextInt();

for(int row=1;row<levels+1;row++)

{

for(int space=row;space<levels;space++)

{

System.out.print(" ");

}

for(int col=row;col<=2\*row-1;col++)

{

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

}

for(int k=2\*row-2;k>=row;k--)

{

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

}

System.out.println();

}

}

}