**Interesting Patterns**

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Given an integer N. Your task is to print the pattern.  
**For example:**  
**Input** N=4   
**Output :**  
4444444   
4333334   
4322234   
4321234   
4322234   
4333334   
4444444

**Input** N=3   
**Output :**  
 33333   
 32223   
 32123   
 32223   
 33333  
   
**Input:**  
First line consists of test cases.For each test case only one line be the input containing an integer N.

**Output:**  
For each test case. Print the pattern in single line by giving space instead of new line.

**Constraints:**  
1<=T<=20  
1<=N<=20

**Example:  
Input**  
1  
4

**Output**  
4444444 4333334 4322234 4321234 4322234 4333334 4444444

\*\*For More Examples Use Expected Output\*\*

Contributor: Saksham Raj Seth

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package javaapplication248;

import java.io.BufferedReader;

import java.io.IOException;

import java.io.InputStreamReader;

import java.util.ArrayList;

/\*\*

\*

\* @author Administrador

\*/

public class JavaApplication248 {

static void PrintArray(int[] arr)

{

for (int elem : arr)

{

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

}

System.out.print(" ");

}

public static void main(String[] args) throws IOException {

// TODO code application logic here

BufferedReader br = new BufferedReader(new InputStreamReader(System.in));

int t = Integer.parseInt(br.readLine());

while(t-- > 0) {

int n = Integer.parseInt(br.readLine());

ArrayList<int[]> lista = new ArrayList<int[]>();

int[] arr = new int[n \* 2 - 1];

for (int i = 0; i < arr.length; i++)

{

arr[i] = n;

}

int[] copia = arr.clone();

lista.add(copia);

PrintArray(arr);

int izq =1, der = arr.length-2;

while (izq <= der)

{

for (int i = izq; i <= der; i++)

{

arr[i]--;

}

if (izq <= der)

{

copia = arr.clone();

PrintArray(copia);

lista.add( copia);

}

izq++;

der--;

}

lista.remove(copia);

for(int i = lista.size()-1; i>=0; i--) {

int[] array = lista.get(i);

for(int e : array){

System.out.print(e);

}

System.out.print(" ");

}

System.out.println();

}

}

}