

# Printing Pattern using Loops

In this problem, you need to print the pattern of the following form containing the numbers from **1** to ***n***.

```
4 4 4 4 4 4 4
4 3 3 3 3 3 4
4 3 2 2 2 3 4
4 3 2 1 2 3 4
4 3 2 2 2 3 4
4 3 3 3 3 3 4
4 4 4 4 4 4 4
```

## Input Format

The input will contain a single integer ***n***.

## Constraints

$$1 \leq n \leq 1000$$

## Output Format

Print the pattern mentioned in the problem statement.

## Sample Input 0

```
2
```

## Sample Output 0

```
2 2 2
2 1 2
2 2 2
```

## Sample Input 1

```
5
```

## Sample Output 1

```
5 5 5 5 5 5 5 5
5 4 4 4 4 4 4 5
5 4 3 3 3 3 4 5
5 4 3 2 2 2 3 4 5
5 4 3 2 1 2 3 4 5
5 4 3 2 2 2 3 4 5
5 4 3 3 3 3 4 5
5 4 4 4 4 4 4 5
5 5 5 5 5 5 5 5
```

## Sample Input 2

```
7
```

## Sample Output 2

```
7 7 7 7 7 7 7 7 7 7 7
7 6 6 6 6 6 6 6 6 6 7
```

7655555555567  
7654444444567  
7654333334567  
7654322234567  
7654321234567  
7654322234567  
7654333334567  
7654444444567  
7655555555567  
7666666666667  
7777777777777