

Problem

Submissions

Leaderboard

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 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 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
7 6 5 5 5 5 5 5 5 6 7
```

```
7 6 5 4 4 4 4 4 4 5 6 7
7 6 5 4 3 3 3 3 3 4 5 6 7
7 6 5 4 3 2 2 2 3 4 5 6 7
7 6 5 4 3 2 1 2 3 4 5 6 7
7 6 5 4 3 2 2 2 3 4 5 6 7
7 6 5 4 3 3 3 3 3 4 5 6 7
7 6 5 4 4 4 4 4 4 4 5 6 7
7 6 5 5 5 5 5 5 5 5 6 7
7 6 6 6 6 6 6 6 6 6 6 7
7 7 7 7 7 7 7 7 7 7 7 7
```

Change Theme

C



```
1  #include <stdio.h>
2  #include <string.h>
3  #include <math.h>
4  #include <stdlib.h>
5
6  int main()
7  {
8
9      int n;
10     scanf("%d", &n);
11     // Complete the code to print the pattern.
12     return 0;
13 }
```

Line: 1 Col: 1

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Run Code

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