- **MEDIUM**
- **Max Score: 40 Points**

Print Pattern

Print a sequence of numbers starting with N where A[0] = N, *without using loop*, in which A[i+1] = A[i] - 5, until A[i] > 0. After that A[i+1] = A[i] + 5. Repeat it until A[i] = N.

Input Format

The first line of the input contains the integer N.

Output Format

Print the corresponding pattern.

Example 1

Input:

`16`

Output:

`16 11 6 1 -4 1 6 11 16`

Explanation:

The value decreases until it is greater than 0. After that, it increases and stops when it becomes 16 again.

Example 2

Input:

10

Output:

10 5 0 5 10

Explanation:

It follows the same logic as per the above example.

Constraints

1 ≤ N ≤ 10^4

My code

```java
// n java
import java.util.*;
import java.lang.*;
import java.io.*;

public class Main
{
  static void fun(int n)
 {
   System.out.print(n+" ");
   if(n>0)
```

```java
    fun(n-5);
  if(n>0)
  System.out.print(n+" ");
 }
     public static void main (String[] args) throws
java.lang.Exception
     {
           //your code here
    Scanner s=new Scanner(System.in);
     int n=s.nextInt();
   fun(n);
     }
}
```