```java
2   import java.math.*;
3   import java.security.*;
4   import java.text.*;
5   import java.util.*;
6   import java.util.concurrent.*;
7   import java.util.regex.*;
8
9 ∨ class Result {
10
11 ∨     /*
12       * Complete the 'utopianTree' function below.
13       *
14       * The function is expected to return an INTEGER.
15       * The function accepts INTEGER n as parameter.
16       */
17
18       public static int utopianTree(int n) {
19 ∨     // Write your code here
20           return (1 << ((n >> 1) + 1)) - 1 << n % 2;
21       }
22
23   }
24
25 ∨ public class Solution {
26 ∨     public static void main(String[] args) throws IOException {
27           BufferedReader bufferedReader = new BufferedReader(new InputStreamReader(System.
    in));
```

Line: 20 Col: 40

⬆ Upload Code as File   ☐ Test against custom input   Run Code   **Submit Code**

You have earned 20.00 points!
You are now 49 points away from the 2nd star for your problem solving badge.

30%   51/100

Congratulations

You solved this challenge. Would you like to challenge your friends? F 𝕏 in

Next Challenge

Test case 0		Compiler Message

Success

✓ Test case 1	
✓ Test case 2	🔒
✓ Test case 3	🔒
✓ Test case 4	🔒
✓ Test case 5	🔒
✓ Test case 6	🔒

Input (stdin)   Download

```
1   2
2   0
3   1
```

Expected Output   Download

```
1   1
2   2
```

```java
public static void separateNumbers(String s) {
// Write your code here
    String subString = "";
    boolean isValid = false;
    for(int i = 1; i<=s.length()/2; i++)
    {
        subString = s.substring(0,i);
        Long num = Long.parseLong(subString);
        String validString = subString;
        while(validString.length() < s.length())
        {
            validString+=Long.toString(++num);

        }
        if(s.equals(validString))
        {
            isValid = true;
            break;
        }

    }
    System.out.println(isValid ? "YES " + subString : "NO");
}
}
```

Line: 54 Col: 1

⤒ Upload Code as File   ☐ Test against custom input   **Run Code**   **Submit Code**

Congratulations

You solved this challenge. Would you like to challenge your friends?

Next Challenge

✓ **Test case 0**

✓ Test case 1 🔓

✓ Test case 2 🔓

✓ Test case 3 🔓

✓ Test case 4 🔓

✓ Test case 5 🔓

✓ Test case 6 🔓

```
5  101103
6  010203
7  13
8  1
```

Expected Output

Download

```
1  YES 1
2  YES 9
3  YES 99
4  NO
5  NO
6  NO
7  NO
```