

Rotate Number

Problem

Submissions

Leaderboard

Discussions

write a program to print the all n digit number which is same after rotate 180 degree .



Contest ends in a month

Submissions: 52

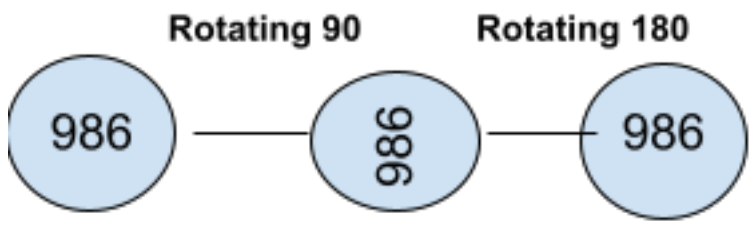
Max Score: 10

Difficulty: Medium

Rate This Challenge:



More



For Example: If N = 2, all the strobogrammatic numbers of length = 2 are “11”, “88”, “69”, “96”.

Input Format

input consist of a single integer 2

Output Format

11 69 88 96

Sample Input 0

2

Sample Output 0

11 69 88 96

Java 8

1

2

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```
import java.io.*;
import java.util.*;
import java.text.*;
import java.math.*;
import java.util.regex.*;

public class Solution {
    public static void main(String args[] ) throws Exception {
        /* Enter your code here. Read input from STDIN. Print output to STDOUT */
        Scanner z=new Scanner(System.in);
        int n=z.nextInt();
        ArrayList<String> arr=rotate(n,n);
        // arr=rotate(n,n);
        arr.sort(null);
        for(String s:arr){
            System.out.print(s+" ");
        }

    }

    public static ArrayList<String> rotate(int n,int len){
        ArrayList<String> res=new ArrayList<>();
        if(n==0){
            res.add("");
            return res;
        }
        if(n==1){
            res.add("0");
            res.add("1");
            res.add("8");

            return res;
        }
        ArrayList<String> center=rotate(n-2,len);
        // center=rotate(n-2,len);
        for(String str:center){
            if(n!=len){
                res.add("0"+str+"0");
            }
            res.add("1"+str+"1");
            res.add("6"+str+"9");
            res.add("8"+str+"8");
            res.add("9"+str+"6");
        }
        return res;
    }
}
```

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