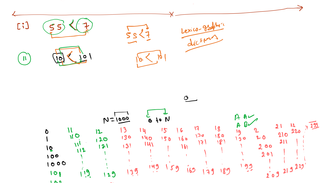
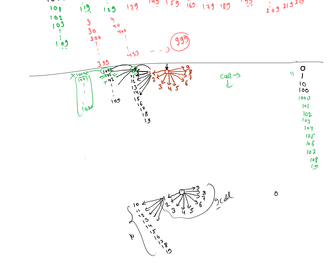
Lexicographic

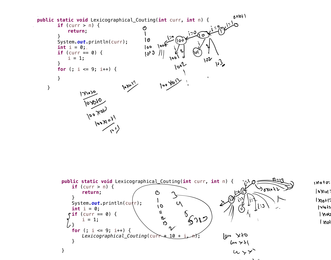
N=100 | 1e100

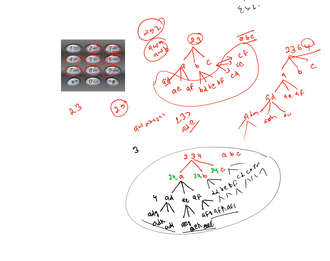
Fact(x): 1<x<=12

System.out.println()

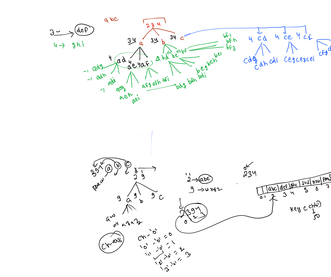




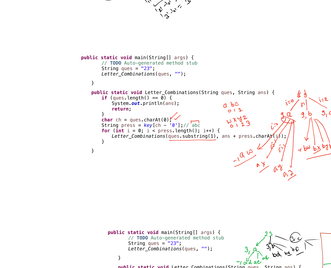


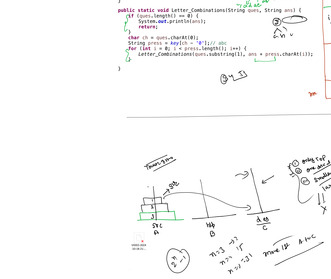


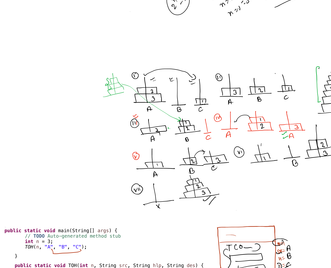
```
public static void Lexicographical_Counting(int curr, int n) {
    if (curr > n) {
        return;
    }
    System.out.println(curr);
    int i = 0;
    if (curr == 0) {
        i = 1;
    }
    for (; i <= 9; i++) {
        }
    }
```



```
public static void Lexicographical_Counting(int curr, int n) {
    if (curr > n) {
        return;
    }
    System.out.println(curr);
    int i = 0;
    if (curr == 0) {
        i = 1;
    }
    for (; i <= 9; i++) {
        Lexicographical_Counting(curr * 10 + i, n);
    }
}
```

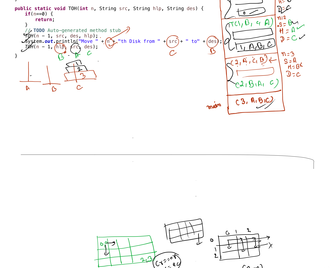






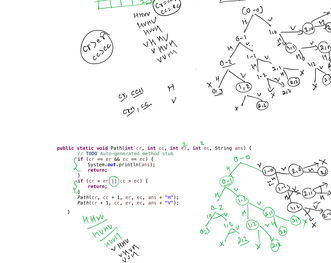
```
public static void main(String[] args) {
        // TODO Auto-generated method stub
        String ques = "23";
        Letter_Combinations(ques, "");
    }

    public static void Letter_Combinations(String ques, String ans) {
        if (ques.length() == 0) {
            System.out.println(ans);
            return;
        }
        char ch = ques.charAt(0);
        String press = key[ch - '0'];// 2nd
        for (int i = 0; i < press.length(); i++) {
            Letter_Combinations(ques.substring(1), ans + press.charAt(i));
        }
    }
```



```
public static void main(String[] args) {
        // TODO Auto-generated method stub
        String ques = "23";
        Letter_Combinations(ques, "");
    }

    public static void Letter_Combinations(String ques, String ans) {
        if (ques.length() == 0) {
            System.out.println(ans);
            return;
        }
        char ch = ques.charAt(0);
        String press = key[ch - '0'];// 2nd
        for (int i = 0; i < press.length(); i++) {
            Letter_Combinations(ques.substring(1), ans + press.charAt(i));
        }
    }
```




```
public static void main(String[] args) {
    // TODO Auto-generated method stub
    int n = 3;
    TOH(n, "A", "B", "C");
}

public static void TOH(int n, String src, String hlp, String des) {
    if(n==0) {
        return;
    }
    // TODO Auto-generated method stub
    TOH(n - 1, src, des, hlp);
    System.out.println("Move " + n + "th Disk from " + src + " to" + des);
    TOH(n - 1, hlp, src, des);
}
```



```
public static void Pathlist(int cr, int cc, int er, int ec, String ans) {
    // TODO Auto-generated method stub
    if (cr == er && cc == ec) {
        System.out.println(ans);
        return;
    }
    if (cr > er||cc > ec) {
        return;
    }
    Pathlist(cr + 1, cc, er, ec, ans + "H");
    Pathlist(cr + 1, cc, er, ec, ans + "V");
}
```