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import java.util.Scanner;
public class CHMOD {

    public static String octToBin(int[] octal) {
        String str = "";
        for (int i = 0; i < octal.length; i++) {
            String temp = Integer.toString(octal[i]);
            if (temp.length() == 1) {
                str += "00" + temp + " ";
            }
            else if (temp.length() == 2){
                str += "0" + temp + " ";
            }
            else str += Integer.toString(octal[i]) + " ";
        }
        return str;
    }

    public static String binToCommand(int access, String input) {
        String normal = "rwx";
        String command = "";
        int counter = 0;
        for (int i = 0; i < input.length(); i++){
            if (counter < 3) {
                if (input.substring(i, i+1).equals("0")){
                    command += "-";
                }
                else {
                    command += normal.substring(counter,
counter+1);
                }
            }
            else {
                command += " ";
                counter = 0;
                continue;
            }
            counter++;
        }

        //access 1/2
    }
}

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        if (access == 1) {
            command = command.substring(0, 3).replace('x', 's') +
command.substring(3);
        }
        else if (access == 2) {
            command = command.substring(0, 4) + command.substring(4,
7).replace('x', 's') + command.substring(7);
        }
        //access 4
        else if (access == 4) {
            command = command.substring(0, 8) +
command.substring(8).replace('x', 't');
        }
        return command;
    }

    public static void main(String[] args) {
        Scanner scannyDont = new Scanner(System.in);
        String input = scannyDont.nextLine();
        scannyDont.close();

        int[] arr = new int[] {Integer.parseInt(input.substring(0, 1)),
Integer.parseInt(input.substring(3, 4)),
Integer.parseInt(input.substring(6, 7)),
Integer.parseInt(input.substring(9, 10))};
        String nums = octToBin(new int[] {arr[1], arr[2], arr[3]});
        System.out.println(nums);
        System.out.println(binToCommand(arr[0], nums));
    }
}

```