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/*
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Grade: 8th
Division: ACSL INT-3
Programming Language: Java

*/

import java.io.*;
import java.util.*;
public class ACSL_INT_P1
{
    public static int N = 5;
    public static void main(String[] args) throws IOException
    {
        BufferedReader br = new BufferedReader(new
FileReader("sample.in"));
        for (int i=0; i<N; i++)
        {
            StringTokenizer st = new StringTokenizer(br.readLine());
            String cs = st.nextToken();
            int pos = Integer.parseInt(st.nextToken());
            String ans = "";
            int pos2 = cs.length() - pos;
            for (int k=0; k<pos2; k++)
            {
                int temp = (Character.getNumericValue(cs.charAt(k)) +
Character.getNumericValue(cs.charAt(pos2))) % 10;
                ans = ans + temp;
            }
            ans = ans + cs.charAt(pos2);
            for (int k=pos2+1; k<cs.length(); k++)
            {
                int temp = Math.abs(Character.getNumericValue(cs.charAt(k)) -
Character.getNumericValue(cs.charAt(pos2)));
                ans = ans + temp;
            }
            System.out.println(ans);
        }
        br.close();
    }
}

```