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/*  
 * Joyce Gill  
 * BostonPrep  
 * 10th Grade  
 */
```

```
import java.util.*;  
import java.io.*;
```

```
public class Main
```

```
{  
    public static void main(String [] args)  
    {  
        File in=new File("test_data.txt");  
        BufferedReader br=null;  
  
        try  
        {  
            br=new BufferedReader(new FileReader(in));  
            String line;  
  
            while((line=br.readLine())!=null)  
            {  
                String [] stringarr=line.split(" ");  
  
                String f=stringarr[0];  
                int len=f.length();  
                String n=stringarr[1];  
                int sub=Integer.parseInt(n);  
                int index=len-sub;  
  
                String [] arr=f.split("");  
  
                for(int i=index-1; i>=0; i--)  
                {  
                    int now=Integer.parseInt(arr[i]);  
                    int add=now+Integer.parseInt(arr[index]);  
  
                    if(add>9)  
                    {  
                        add=add%10;  
                    }  
                    arr[i]=Integer.toString(add);  
                }  
  
                for(int j=index+1; j<arr.length; j++)  
                {  
                    int now2=Integer.parseInt(arr[j]);  
                    int add2=Integer.parseInt(arr[index]);  
                    int sub2=now2-add2;  
                    sub2=Math.abs(sub2);  
                    arr[j]=Integer.toString(sub2);  
                }  
  
                for(int z=0; z<arr.length; z++)  
                {  
                    System.out.print(arr[z]);  
                }  
                System.out.println();  
            }  
        }  
        catch(IOException e)  
        {  
            e.printStackTrace();  
        }  
    }  
}
```

}

}