

```
/*  
 * Andrew Lee  
 * BostonPrep  
 * 9th 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 [] arr = line.split(" ");  
                String value = arr[0];  
                int position = Integer.parseInt(arr[1]);
```

```
                String [] numarr = value.split("");  
                int pos = value.length() - position;
```

```
                for(int i = 0; i < pos; i++) {  
                    int theNum = Integer.parseInt(numarr[pos]);  
                    int added = Integer.parseInt(numarr[i]) + theNum;  
                    if(added > 9) {  
                        added = added - 10;  
                    }  
                    System.out.print(added);  
                }  
                System.out.print(numarr[pos]);  
                for(int a = pos + 1; a < numarr.length; a++) {  
                    int theNumb = Integer.parseInt(numarr[pos]);  
                    int subtracted = Math.abs(theNumb - Integer.parseInt(numarr[a]));  
                    System.out.print(subtracted);  
                }  
                System.out.println();  
            }  
        }  
        catch(IOException e) {  
            e.printStackTrace();  
        }  
    }  
}
```