

```
1  /* Problem 3--Uruk Runes
2     Just a straightforward ASCII art problem with no tricks. */
3
4  import java.io.*;
5  import java.util.*;
6
7  public class prob3 {
8
9     public static Scanner in = null;
10    public static PrintWriter out = null;
11
12    public static void main (String[] args) throws Exception {
13
14        in = new Scanner (new File ("prob3.in"));
15        out = new PrintWriter ("prob3.out");
16        int sz = 0; //Process still you find the zero
17        while ((sz=in.nextInt()) > 0) Process (sz);
18        in.close ();
19        out.close ();
20    }
21
22    /* Processes each input case */
23    public static void Process (int sz) {
24
25        for (int i=0; i < sz; i++) { //Top part
26            pch ('|',1);
27            pch (' ',i);
28            pch ('\\',1);
29            pch (' ',2*sz-2*i-2);
30            pch ('/',1);
31            pch (' ',i);
32            pch ('|',1);
33            out.println ();
34        }
35        for (int i=sz-1; i >= 0; i--) { //Middle part
36            pch ('|',1);
37            pch (' ',i);
38            pch ('/',1);
39            pch (' ',2*sz-2*i-2);
40            pch ('\\',1);
41            pch (' ',i);
42            pch ('|',1);
43            out.println ();
44        }
45        for (int i=0; i < 2*sz; i++) { //Bottom part
46            pch ('|',1);
47            pch (' ',2*sz);
48            pch ('|',1);
49            out.println ();
50        }
51        out.println ();
52    }
53
54    /* prints multiple copies of a character */
55    public static void pch (char c, int ct) {
56
57        for (int i=0; i < ct; i++) out.print (c);
58    }
59 }
60
```