

```
1  /* Problem 6--Spam
2     Straightforward ASCII Art Problem */
3
4  import java.io.*;
5  import java.util.*;
6
7  public class prob6 {
8
9     private static Scanner in;
10    private static PrintWriter out;
11    private static int cs, sz;
12
13    public static void main (String[] args) throws Exception {
14
15        in = new Scanner (new File ("prob6.in"));
16        out = new PrintWriter ("prob6.out");
17        cs = 1;
18        while (true) {
19            sz = in.nextInt();
20            if (sz==0) break;
21            out.printf ("Case %d:\r\n\r\n",cs++);
22            RepeatChar (' ',4*sz); //top of loop
23            RepeatChar ('|',1);
24            RepeatChar ('-',sz);
25            RepeatChar ('|',1);
26            out.printf ("\r\n");
27            for (int i=0; i < sz-1; i++) {
28                RepeatChar (' ',4*sz); //top half
29                RepeatChar ('|',1);
30                RepeatChar (' ',sz);
31                RepeatChar ('|',1);
32                out.printf ("\r\n");
33            }
34            RepeatChar ('-',4*sz);
35            RepeatChar ('|',1);
36            RepeatChar (' ',sz); //stem
37            RepeatChar ('|',1);
38            out.printf ("\r\n");
39            for (int i=0; i < sz-1; i++) {
40                RepeatChar (' ',4*sz);
41                RepeatChar ('|',1);
42                RepeatChar (' ',sz); //bottom half
43                RepeatChar ('|',1);
44                out.printf ("\r\n");
45            }
46            RepeatChar (' ',4*sz);
47            RepeatChar ('|',1);
48            RepeatChar ('-',sz); //bottom of loop
49            RepeatChar ('|',1);
50            out.printf ("\r\n\r\n");
51        }
52        in.close ();
53        out.close();
54    }
55
56    /* Allows us to print multiple copies of the same character */
57    public static void RepeatChar (char c, int ct) throws Exception {
58
59        for (int i=0; i < ct; i++) out.printf ("%c",c);
60
61    }
62 }
63
```