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1  /* Problem 3--Waylon Smithers Or Maggie Simpson?
2     This was just a straightforward ASCII art problem.  In fact, it's a
3     fair bit easier than most ASCII art problems. */
4
5  import java.io.*;
6  import java.util.*;
7
8  public class prob3 {
9
10     private static Scanner in;
11     private static PrintWriter out;
12     private static int cs;
13
14     public static void main (String[] args) throws Exception {
15
16         in = new Scanner (new File ("prob3.in"));
17         out = new PrintWriter ("prob3.out");
18         cs = 1;
19         while (true) {
20             int sz = in.nextInt();
21             if (sz==0) break;
22             Process (sz); //Process each sixe
23         }
24         in.close ();
25         out.close ();
26     }
27
28     public static void Process (int sz) throws Exception {
29
30         out.printf ("Case %d:\r\n",cs++);
31         for (int i=0; i < sz; i++) { //Print the WEST
32             for (int j=0; j < sz; j++) out.printf ("W");
33             out.printf ("\r\n");
34         }
35         for (int i=0; i < sz; i++) { //Print spaces and the SOUTH
36             for (int j=0; j < sz; j++) out.printf (" ");
37             for (int j=0; j < sz; j++) out.printf ("S");
38             out.printf ("\r\n");
39         }
40         out.printf ("\r\n");
41     }
42 }
43

```