```
int mandel(
       Complex c.
       int depth
    ) {
       int count = 0:
       Complex z = 0;
       for (int k = 0; k < depth; k++) {
          if (abs(z) >= 2.0) {
             break:
10
          Z = Z*Z + C;
11
          count++:
12
13
       return count:
14
15
16
   void serial mandel(
17
       int p[][],
18
       int max row.
19
       int max_col,
20
       int depth
21
   for (int i = 0; i < max_row; ++i) {
23
       for (int j = 0; j < max_col; ++j)
24
          p[i][j] = mandel(Complex(scale(i), scale(j)),
25
                        depth):
26
27
LISTING 4.11
Serial implementation of Mandelbrot in C.
```