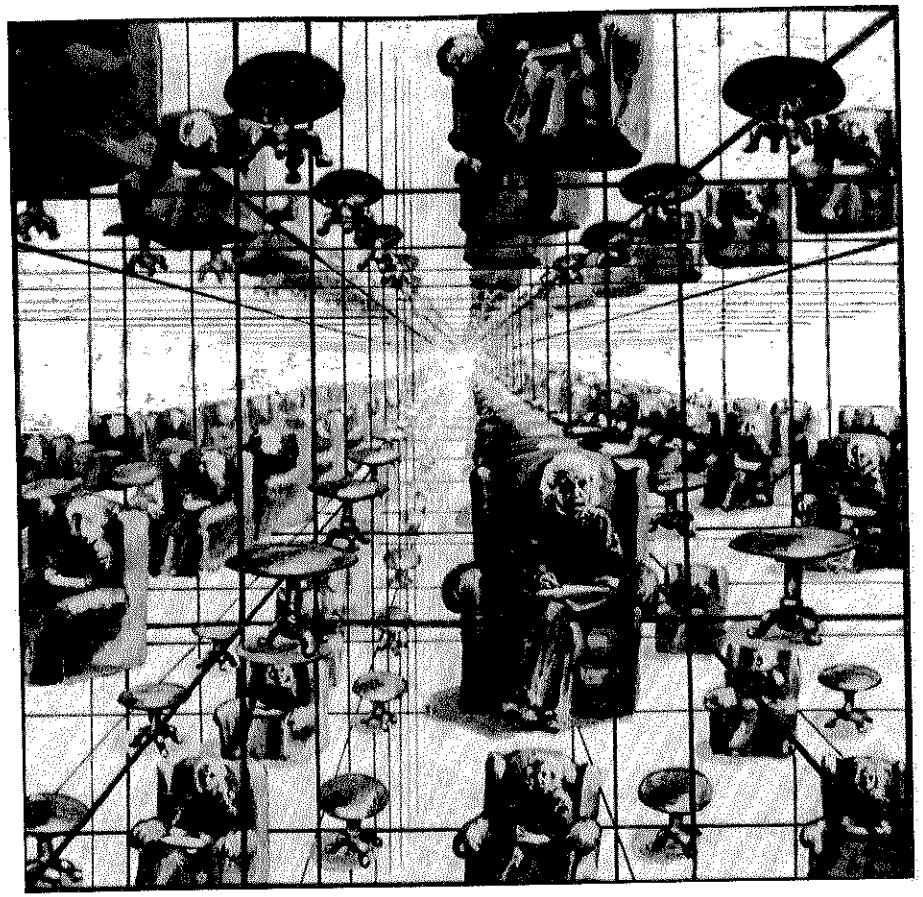

**Figure 7.4** When opposite walls of a room are "glued" to make a three-torus, the view looks like this.

example, consider making $K^2 \times S^1$ from this cube. ($K^2 \times S^1$ is the nonorientable three-manifold described in Chapter 4—it's made by gluing a cube's top and bottom, and left and right sides, in the usual way, but gluing the front to the back with a side-to-side flip.)



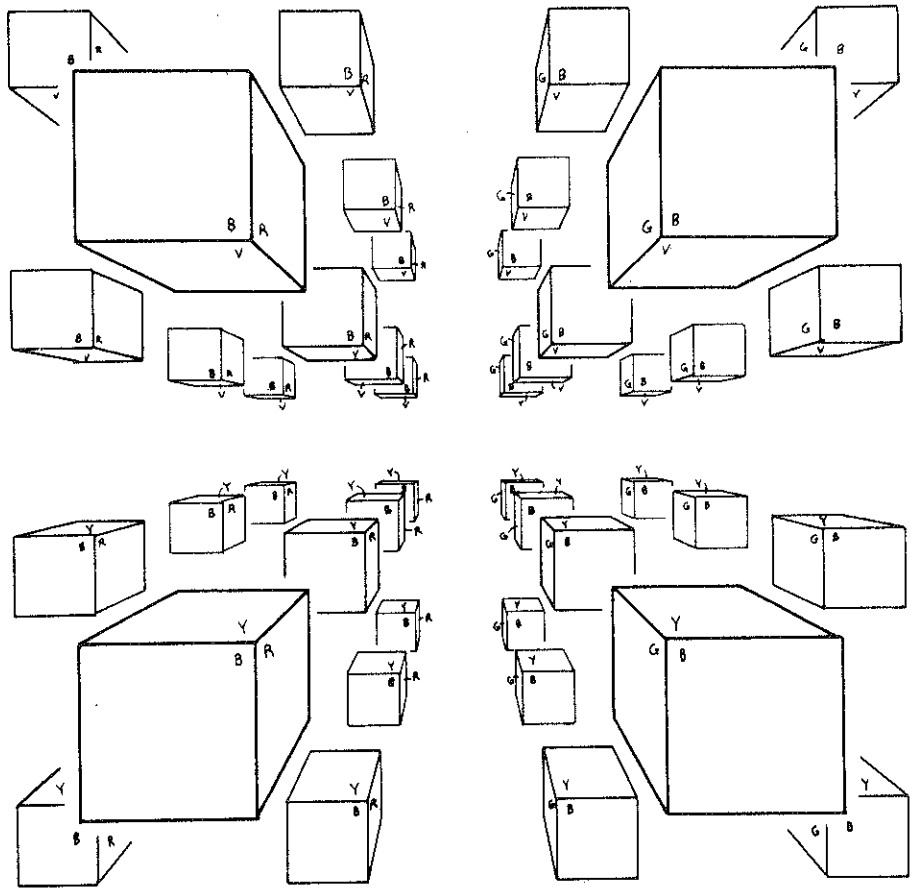

**Figure 7.5** The view inside a three-torus containing a single small cube.

Color Figure 7.7 as indicated by the code to see the view inside $K^2 \times S^1$. *IMPORTANT NOTE: On the little cube opposite faces have complementary colors: red is opposite green, blue is opposite orange, and yellow is opposite violet.* Imagine yourself to be sitting on one