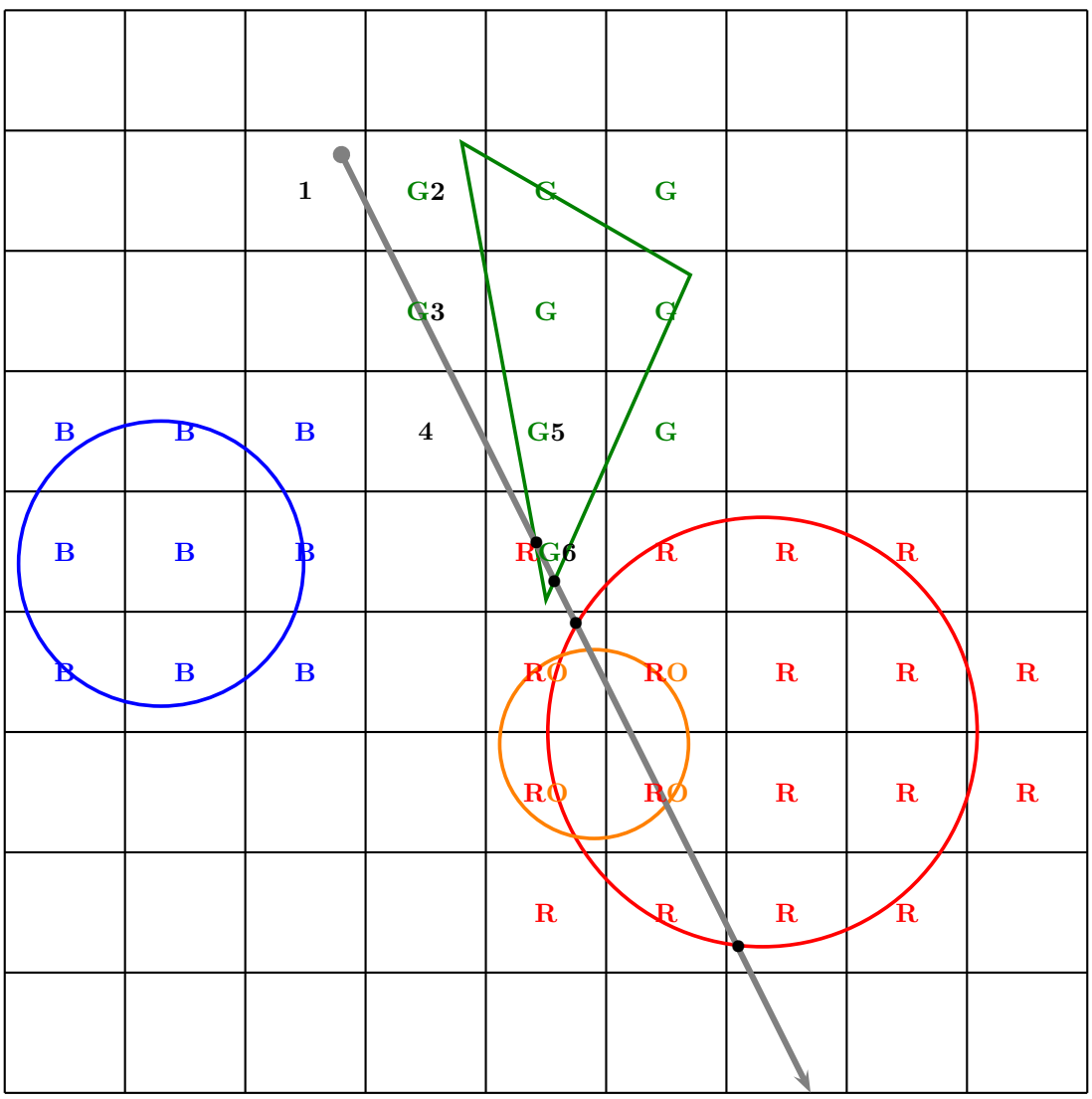
CS 230, Quiz 3

Solutions

You will have 7 minutes to complete this quiz. No books, notes, or other aids are permitted.

Problem 1

Below is a raytracing acceleration structure. Label the following:

1. **Label grid cells with "R", "G", "B", or "O" to indicate that a pointer to the Red, Green, Blue, or Orange object will be stored there.**
2. **Number cells ("1", "2", "3", . . .) in the order they will be visited to test for intersections along the gray ray. Cells that should not be visited should not be numbered.**
3. **Place a "•" at each intersection point that will be computed.**