CSE332 Week 9 Section Worksheet

* 1. T/F: All data races are race conditions.
  2. T/F: All race conditions are data races.
  3. T/F: If there is no data race in a program, than there is no race condition.

1. For following scenario/data-structure, describe (at a high level) how you might synchronize it while still allowing some concurrent access. Note: these are pretty open-ended, so there isn’t necessarily one ‘correct’ solution.

An undirected graph that is already completed (that is, we won’t be adding any more edges or vertices), but on which we want be able to run BFS to find if 2 vertices are connected. Hint: be sure to think about how to ‘mark’ vertices as visited/known.