Worksheet #7: Identifying Data Races

Identify as many “racy” statement pairs as you can in the pseudocode shown on the right, e.g., (Si, Sj) if there is a potential data race between Si and Sj.

Example parallel program:

```
1. p.x = 0; q = p;
2. async p.x = 1; // Task T1
3. async p.x = 2; // Task T2
4. async { // Task T3
5. System.out.println("First read = " + p.x);
6. System.out.println("Second read = " + p.x);
7. System.out.println("Third read = " + p.x)
8. }
9. async { // Task T4
10. System.out.println("First read = " + p.x);
11. System.out.println("Second read = " + q.x);
12. System.out.println("Third read = " + p.x);
13. }
```