Quiz 1: atomic snapshots

1. Prove that one-shot atomic snapshot satisfies self-inclusion and containment:
   - ✓ Self-inclusion: for all i: v_i is in S_i
   - ✓ Containment: for all i and j: S_i is subset of S_j or S_j is subset of S_i

2. Show that the atomic snapshot is subject to the ABA problem (affecting correctness) in case the written values are not unique

Quiz 2

- Does the ABD algorithm run by one writer and multiple readers implement an atomic (linearizable) register?

- If not, can it be turned in an atomic one?

- How to support multiple writers?