Quiz 1: safety

- Let S be a safety property. Show that if all finite runs of an implementation I are safe (belong to S) then all runs of I are safe
- 2. Show that every unsafe run σ has an unsafe finite prefix σ' : every extension of σ' is unsafe
- 3. Show that every property is an intersection of a safety property and a liveness property



Quiz 2: liveness

- Show how the elements of the "periodic table of progress" are related to each other
 - ✓Hint: for each pair of properties, A and B, check if any run of A is a run of B (A is stronger than B), or if there exists a run of A that is not in B (A is not stronger than B)
 - ✓Can be shown by transitivity: if A is stronger than B and B is stronger than C, then A is stronger than C

