# Safety

- When a process P$i$ receives replies from all its voting set V$i$ members, no other process P$j$ could have received replies from all its voting set members V$j$
  - V$i$ and V$j$ intersect in at least one process say P$k$
  - But P$k$ sends only one Reply (vote) at a time, so it could not have voted for both P$i$ and P$j$