

Safety? Liveness?

- Processes propose values and decide on values:

$$\Sigma = \bigcup_{i,v} \{\text{propose}_i(v), \text{decide}_i(v)\} \cup \{\text{base-object accesses}\}$$

- ✓ Every decided value was previously proposed
- ✓ No two processes decide differently
- ✓ Every **correct** (taking infinitely many steps) process eventually decides
- ✓ No two **correct** processes decide differently