**Definition 0.1** (Process). A process can record its own state and the msg it sends and receives, it can record nothing else.

Processes do not share locks and memory.

**Definition 0.2** (stable property). A predicate y is said to be a stable property of system D if y(S) is true for some state S of system D and y(S') is true for all S-reachable states S'.

In plain words, if y is true at some point, it will stay being true.