

↓ Main entrance

**Process Scheduling
(Σ processes)**

Pop the top process from the stack of processes

Process

Guard mailbox

**Reach steps limit or
process finished**

Check mailbox status

Reference count > 0

Reference count = 0

**Keep mailbox and
Block process**

**Traverse all processes check if mailbox has
any active references**

Reference count > 0

Reference still count = 0

Free mailbox

