M

M

Process messages *up* the pipelines

Does F have a previous state-machine? — no

Set F to F's previous statemachine — yes

Is P the first pipe of N? — yes

no

Process M with P

Set P to P's previous pipe

Set P to N's last pipe

Set N to S's network stack

Set S to F's active state

Process messages *down* the pipelines

Set F to Global state-machine

Set S to F's active state

Set N to S's network stack

Set P to N's first pipe

Process M with P

Is P the last pipe of N? — no — Set P to P's next pipe

yes

Does F have a next state-machine? — yes — Set F to F's next statemachine

no

Diagram Legend

F State Machine
S State
N Network Stack
P Pipe
M Message