Pipeline Model

Pipeline model demonstrates states with only 1 transition being run like a pipeline.
No state emits a transition, all transitions are defaulted from model.

Differing path lengths shows the effect Sync causes state P6 to only run once in tests 'pipe1' & 'pipe3'.

Test 'pipe2' runs state P6 twice. Terminal state is asserted first run, but is deferred until after the 2nd time P6 runs.

Default State:
Should transition out when transitioned to. No transition ends path.

Idle State:
Transition out maybe deferred. Workflow maybe resumed from an Idle state. Engine stops when all active states are Idle states.

Terminal State:
Transition out not permitted. Workflow is finished when only Terminal state is active state. Always runs as only state in final dispatch cycle.