

R53 Multiple Assigner DFDs

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MODEL INTEGRATION, LLC

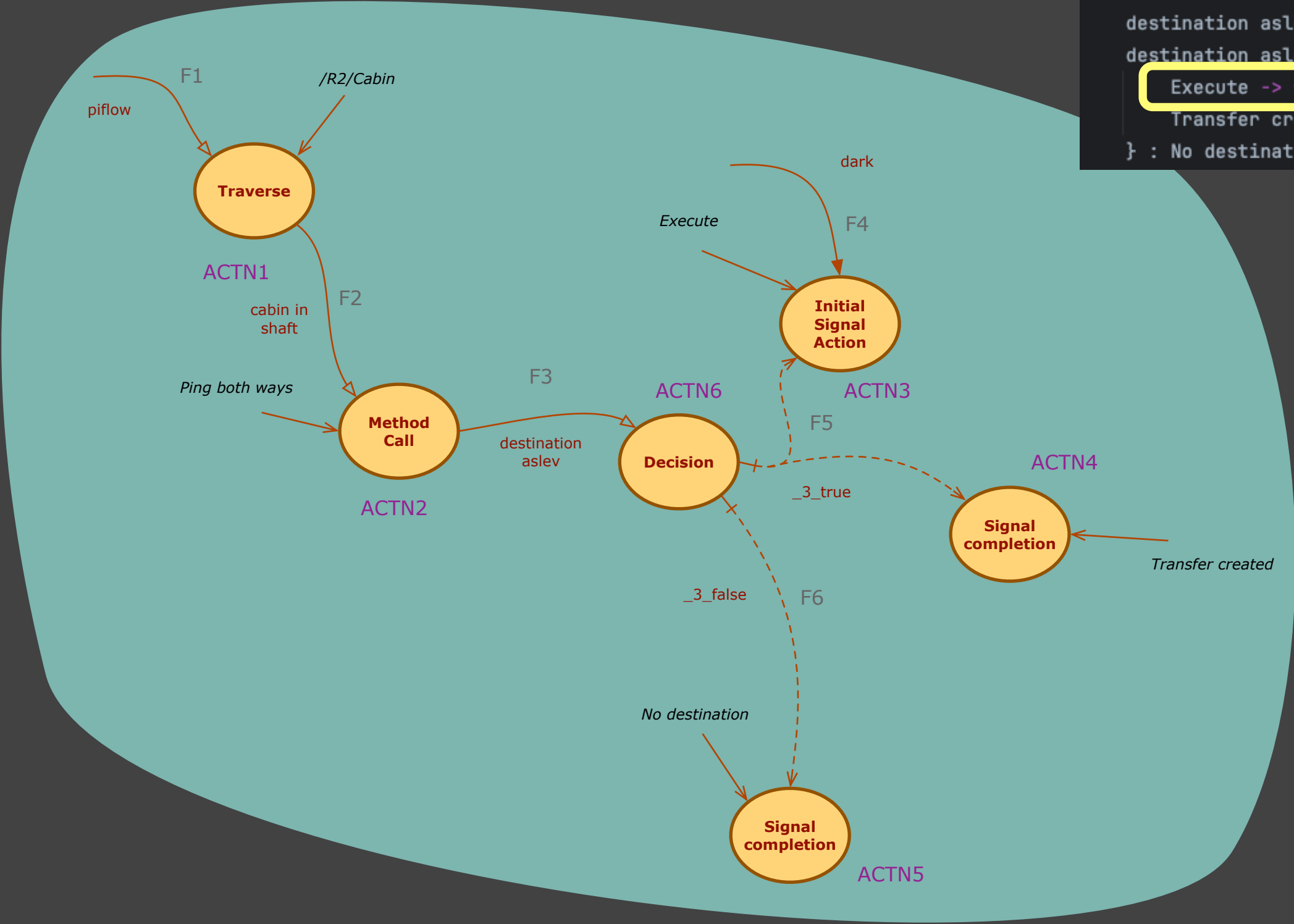
A23

NO TRANSFER
// Waiting for service request

No actions

A25

Added Tint/Color attributes to test setting of explicit and default scalar attribute values

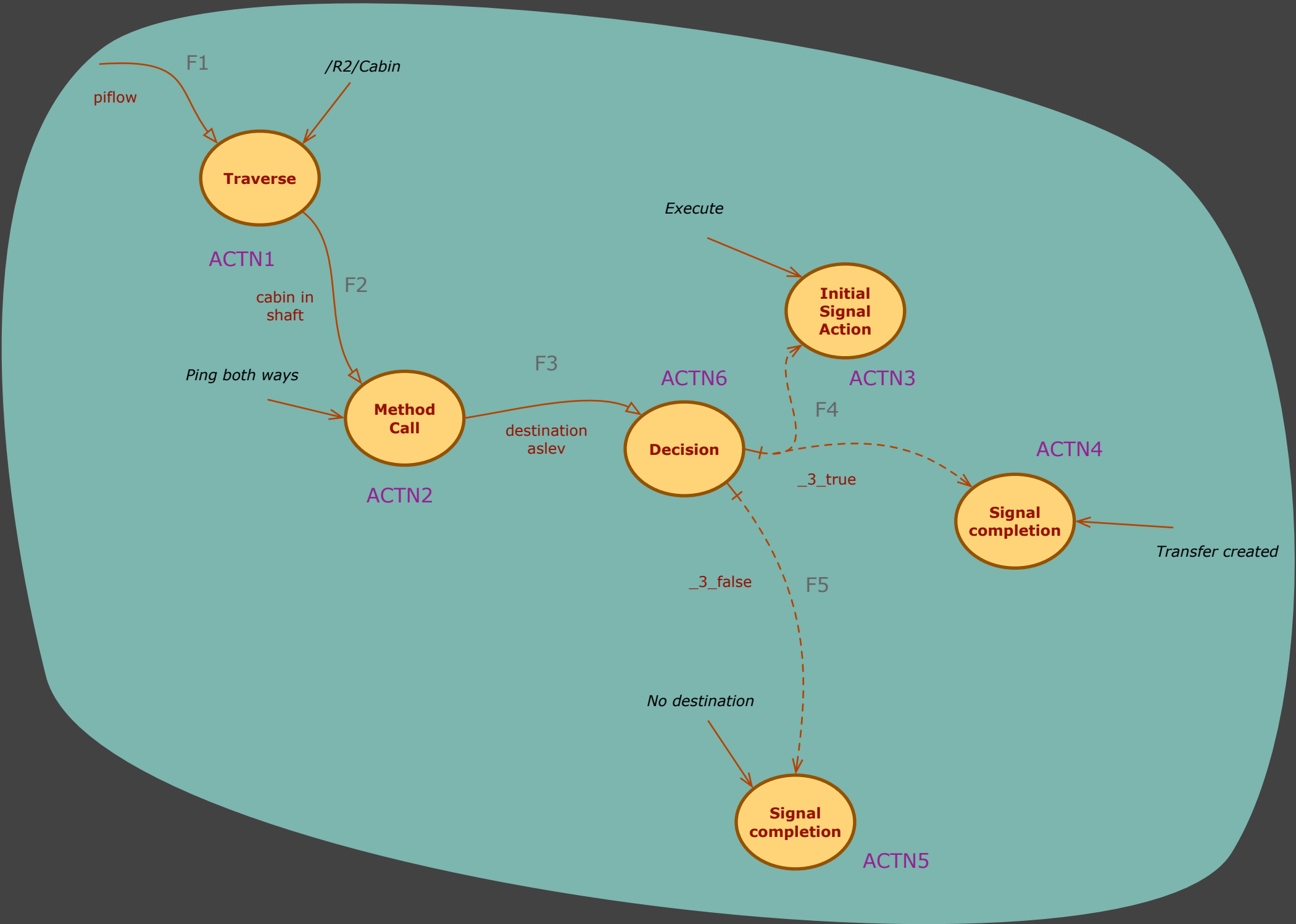


```
state Search for new destination
activity
    // The Cabin in this Shaft is stationary and has no Transfer
    cabin in shaft .:= /R2/Cabin
    destination aslev .:= cabin in shaft.Ping both ways()
    destination aslev? {
        Execute -> *Transfer(Tint: _dark) &R53 cabin in shaft, destination aslev
        Transfer created -> me
    } : No destination -> me
```

A25

Search for new destination

// The Cabin in this Shaft is stationary and has no Transfer
cabin in shaft . = /R2/Cabin
destination aslev . = cabin in shaft.Ping both ways()
destination aslev? {
 Execute -> *Transfer &R53 cabin in shaft, destination aslev
 Transfer created -> me
} : No destination -> me



Search for alternate destination

A27

1

```
activity
  cabin in shaft .:= /R2/Cabin
  fwd = cabin in shaft.Travel direction
  xfer .:= cabin in shaft/R53/Transfer
  call in progress .:= xfer/R53/Accessible Shaft Level/R49/Floor Service( Direction: fwd )
```

2

```
5 fwd dest .:= cabin in shaft.Ping( dir: fwd )
6 fwd dest? dest aslev .:= fwd dest :
  !call in progress? {
    // Search opposite the travel direction only if not servicing
    // a floor request in the current direction
    rev = fwd.opposite
    rev dest .:= cabin in shaft.Ping( dir: rev )
    rev dest? cabin in shaft.Travel direction = rev
    // may be empty
    dest aslev .:= rev dest
  }
```

3

```
7 dest aslev? {
  dest floor = dest aslev.Floor
  dest floor != xfer.Destination floor?
    Dest change request( new dest: dest floor ) -> xfer
}

8 Dest change evaluated -> me
```

