

Cabin Lifecycle DFDs

Leon Starr

2025-10-17/ v0.6



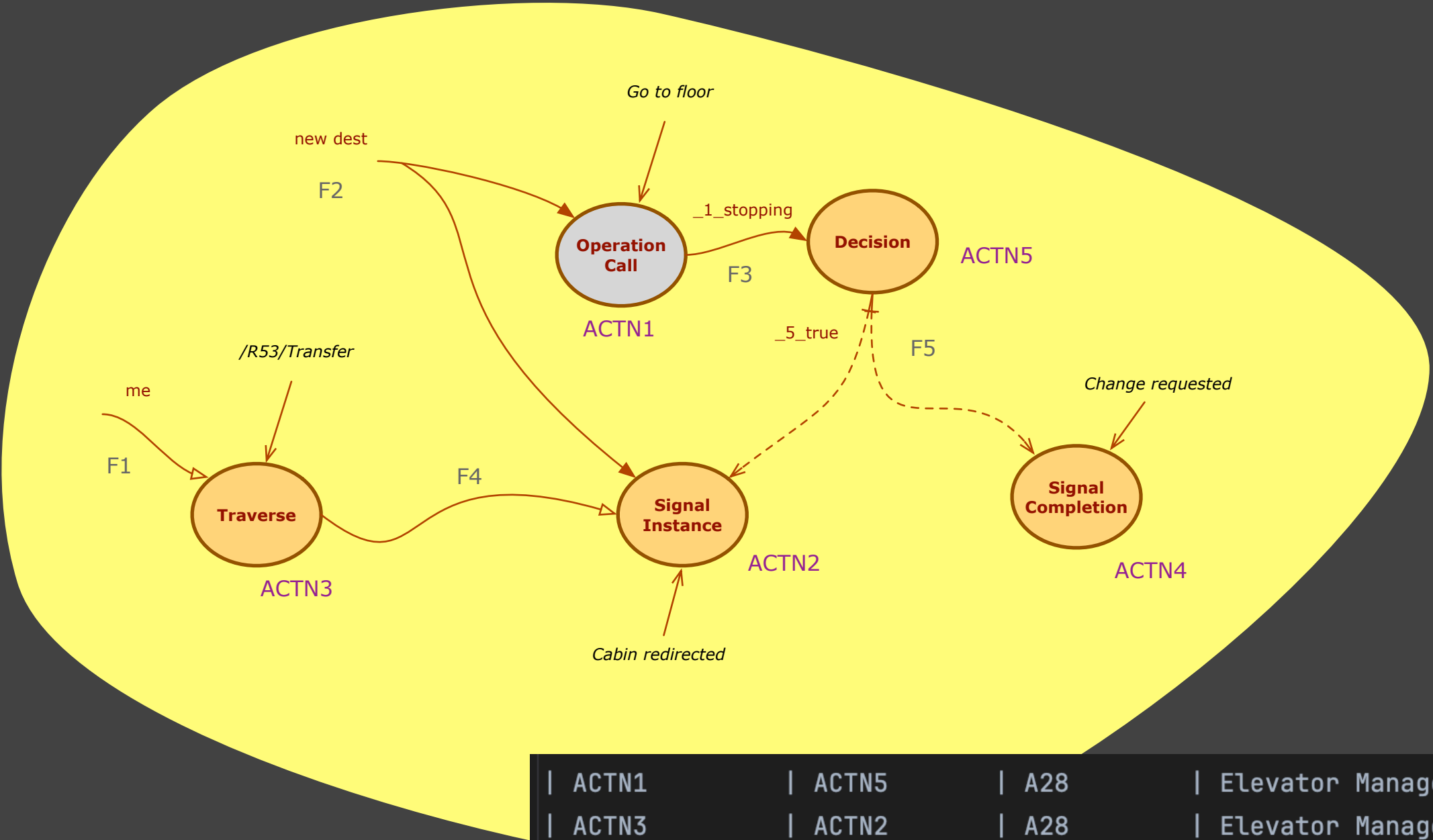
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MODEL INTEGRATION, LLC

A28

Changing destination

```
~.Go to floor( Dest floor: ^new dest )? {  
  Cabin redirected( Updated dest: ^new dest ) -> /R53/Transfer  
  Change requested -> me  
}
```

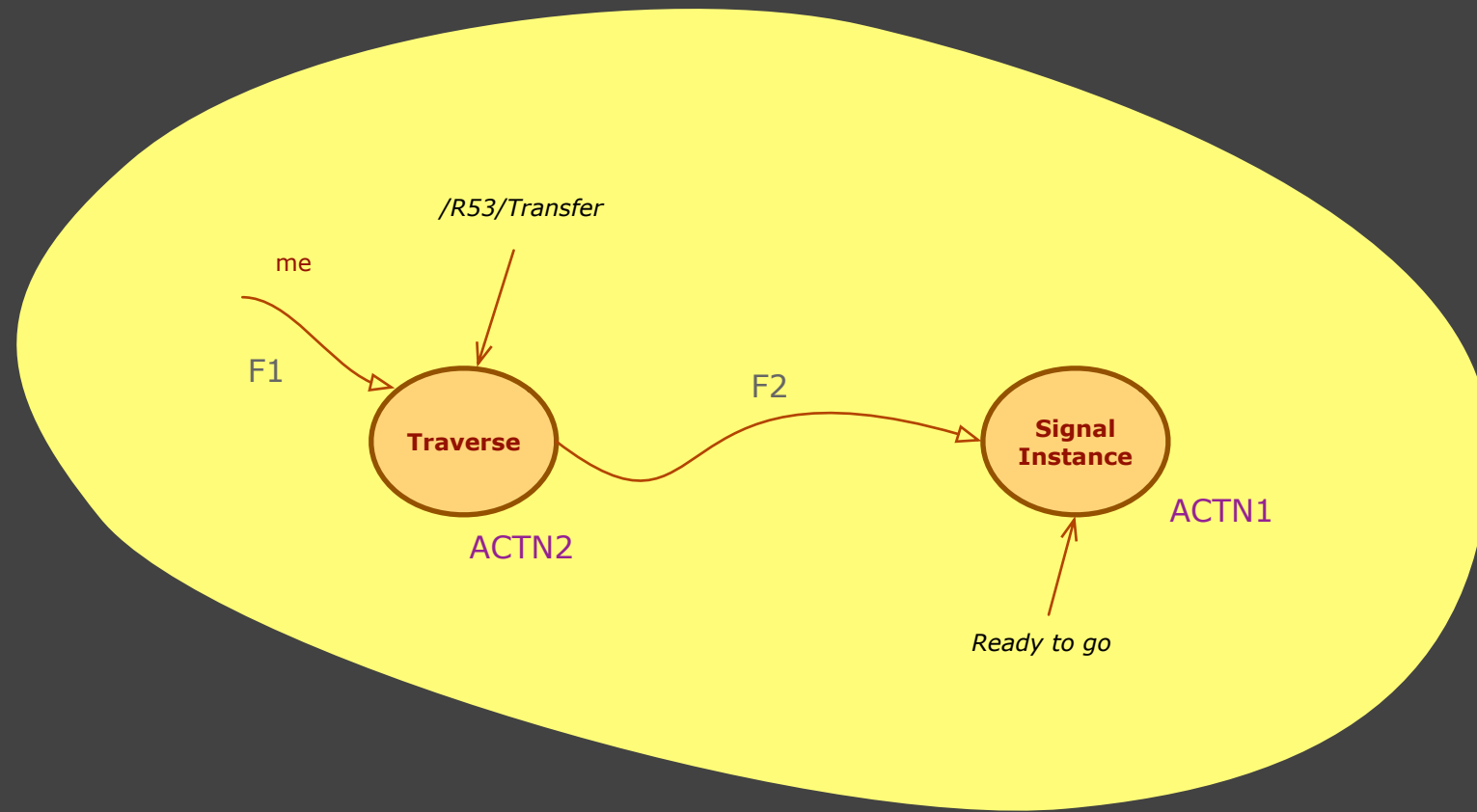


ACTN1	ACTN5	A28	Elevator Management	F3	
ACTN3	ACTN2	A28	Elevator Management	F4	
ACTN5	ACTN4	A28	Elevator Management	F5	
ACTN5	ACTN3	A28	Elevator Management	F5	
+-----+-----+-----+-----+-----+					

A30

READY TO GO

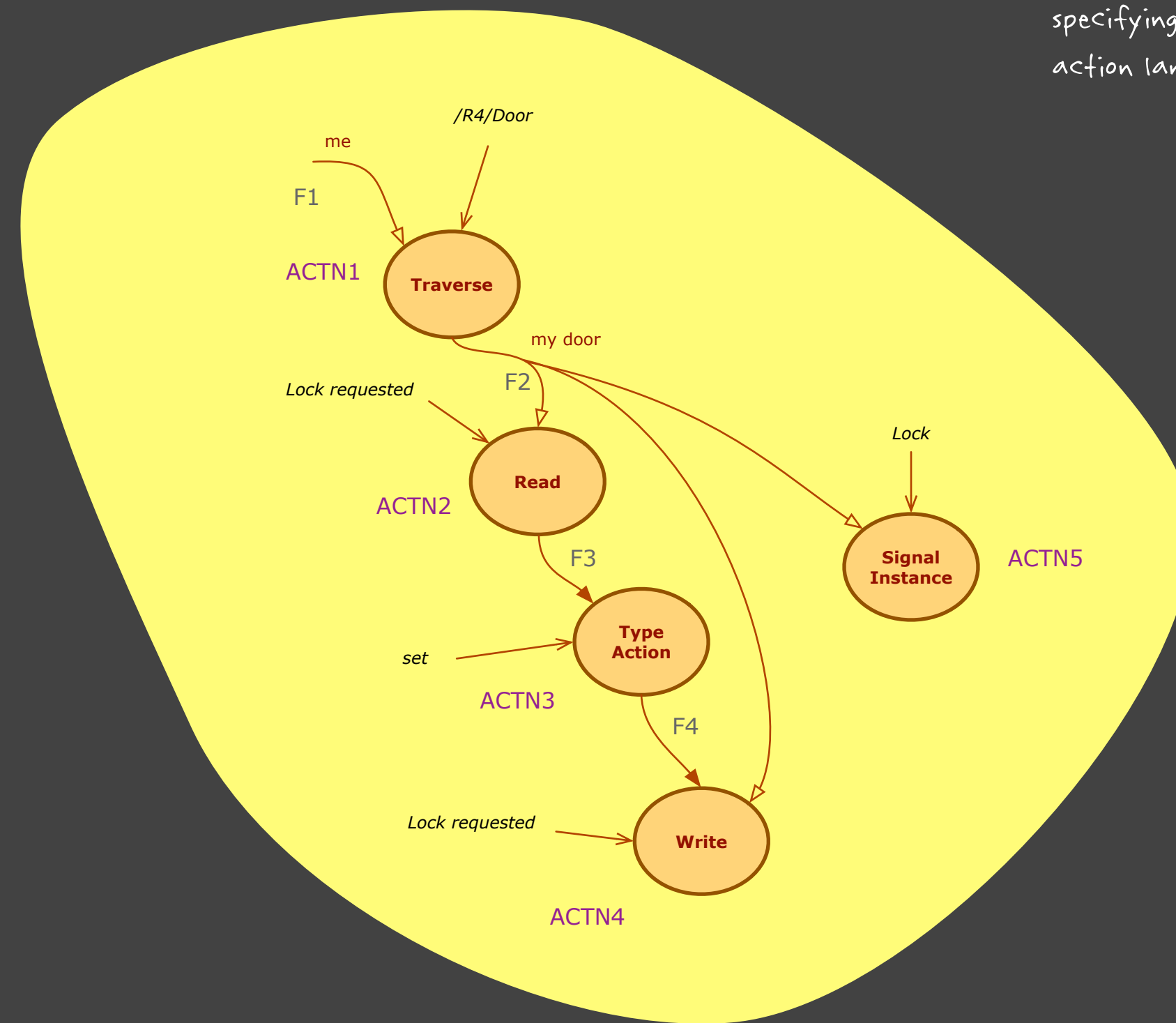
Ready to go -> /R53/Transfer



A32

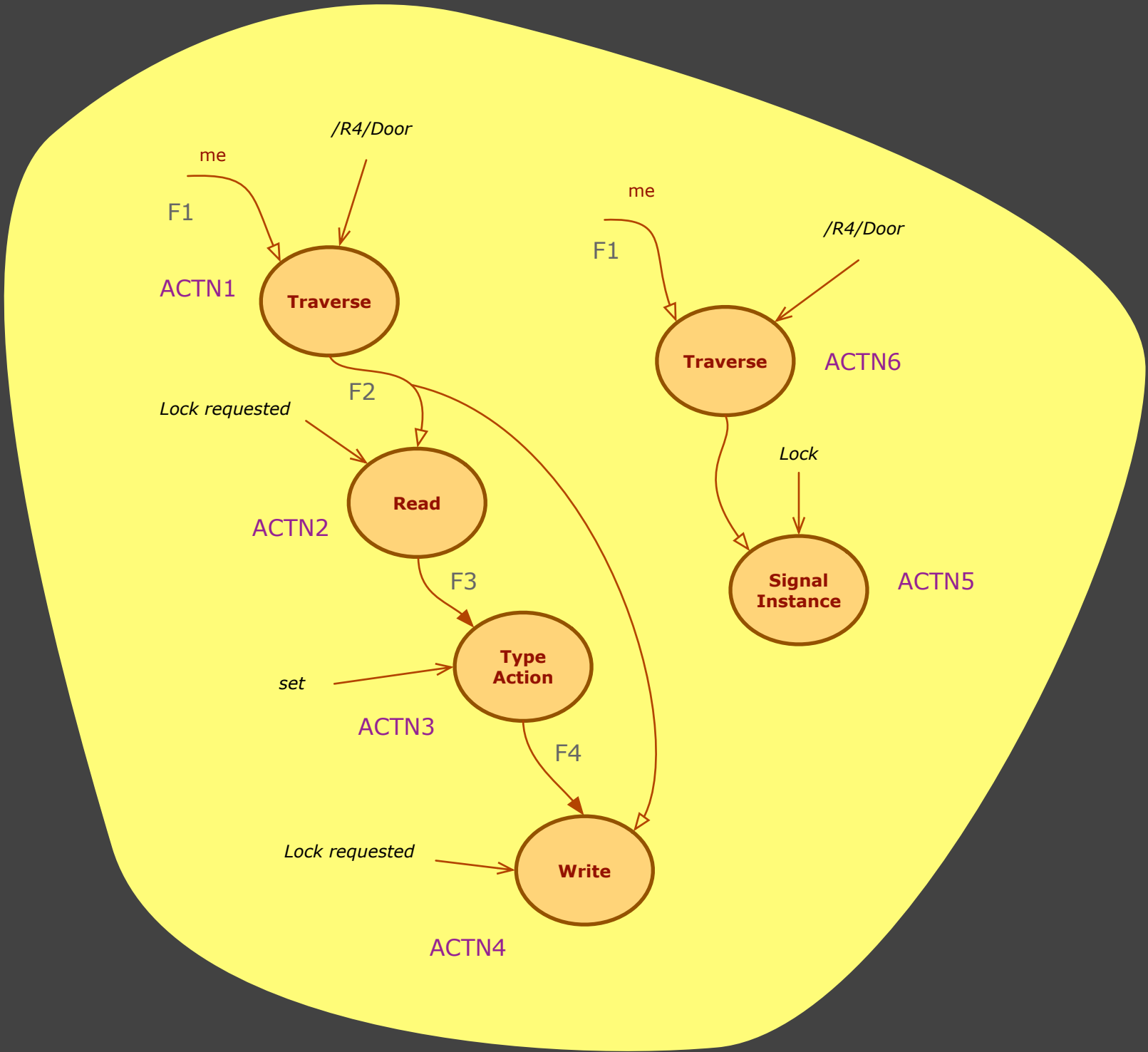
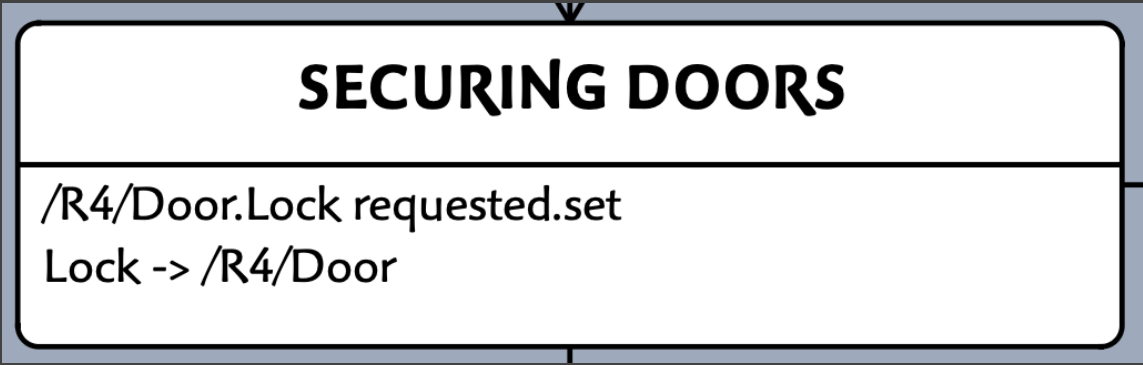


By assigning the traversal result to a labeled flow, we avoid specifying two identical traverse actions as we do with the alternate action language (see next page).



Of course we could post process the action recognizing and replacing the duplicate actions. And in the future, we should definitely perform flow graph optimizations prior to execution. For now, let's just simplify the action language we write.

A32



A33

Are we already there

(/R53/Transfer.Destination floor == /R43/is at/Shaft Level/Floor) ?
Already there -> : Prepare to move -> me

