

Statechart (ActiveObject):

- 1) Thread
- 2) Event Processor
- 3) S and T references
- 4) dequeues to receive events

To attach and start a statechart thread:

- 1) instantiate the ActiveObject
- 2) call it's start_at method

Example:

```
sc = DerivedClass(name="example")
sc.start_at(A) # (S and T will appear in A)
```

HSM:

- 1) 5 callbacks: A, B1, B2, C1, C2
- 2) The callbacks can only be called after attachement (start_at called)
- 2) These callbacks will be called by the event processor with ActiveObjects's thread
- 3) These callbacks will receive a reference to the statechart and an event.
- 4) They will return information for the T to know how to take her next step

