Modeling of a simple coffee machine

1. The behavior of the machine:

![State Diagram of a Coffee Machine]

- idle
- make_coffee
- make_tea
- coffee_in_progress
- tea_in_progress

- tm(6) / coffee; ready
- tm(4) / tea; ready
2. The behavior of the controller without the display function:
3. The behavior of the controller with the display function: