```
local time <= run time &&
                                        concurrent constraints &&
                                                                        main done
                                        resources constraints
wait
          start
                                                     local time == run time &&
                          choose
                                                     concurrent constraints &&
   can start?
                preconditions probability success
                                                                                                      end
                                                     resources constraints
                                                                              observed = value 1
                                  run time \in Ds()
                local time = 0,
                                                            side effect,
                running = true
                                                                              observed = value m4
                                                            running = false
                                                                              trap concurrent i1
                                                           !concurrent constraint i1
                                                             running = false
                                                                               trap resource i2
                                                            !resource constraint i2
                                                               running = false
                                                           failure i3
                                                     local time <= run time
                                                                                 trap failure i3
                                                                local time == run time
                                         probability failure i3
                                                                  running = false
                                          run time \in Df i3()
                                                 repeat wait
                                        local time <= repeat timeout
                                                                (true == repeat) \&\&
                     local time == repeat timeout
                                                                (false == repeat terminate)
                                                                         local time = 0
   ( false == repeat ) ||
   ((true == repeat) && (true == repeat terminate))
    run scheduler!
   repeat terminate = false
```

main