```
Start
                                                      t <= offset()
                                                     t == offset()
                                                     svnch?
                                  x >= s min() &&
                                                     t = 0.
                                  x < s_{max}() \&\&
                                                     x = 0,
                                  t <= deadline()
                                                     seg_idx = 0
                                  synch?
                                                   ¥ Suspended
                                                                  t > deadline()
                                                      x \le s \max()
t == period()
synch?
                                                     x >= s min() &&
t = 0.
                                                     t <= deadline()
                         !is last segment() &&
x = 0
                                                     synch?
                         x > = c min() &&
                                                     enqueue()
                         t <= deadline()
Completed
                         first_synch?
                                                                                   Miss
                                                   Ready
                                                                 t > deadline()
                         x = 0.
 t <= period()
                         seg idx++,
                         avail_processors++
is last segment() &&
                                                     run[id]?
x > = c min() &&
                                                     x = 0
                                  x > = c min() &&
t <= deadline()
                                  x < c_{max}() &&
first synch?
                                  t <= deadline()
seg_idx = 0,
                                  first_synch?/
                                                  ¥ L Running
avail processors++
                                                                   t > deadline()
                                                      x \le c \max()
```