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

Start