## A possible simplified algorithm

- 1. All scheduling times are CPU times; (accounting and ready message times are done separately)
- 2. Running eligible, and ready processes are kept in a single priority
- 3. Whenever a CPU timer is set, the value is to  $t_{emin}$ , a constant.
- 4. Preemption only occurs at timer runouts or at calls to block.
- 5. Wait and Notify do not modify the priority list nor reassign elligibility; rather these mechanism are responsible for multiprogramming.

## Definitions

- t = total time used since interaction began in previous scheduling
  levels.
- t = time at this scheduling level
- temin, = minimum time a process runs once started (constant nominally 4 sec.)
- t maximum time spend being saved at the head of lowest priority

  queue before being placed at the end of the queue,

  (constant, nominally 16 sec.)
- t = time a process has used since the timer was last set.

Wakeup (be)

add the process to privity list

according to the

return;

Plack

y isw then ti, ts = 0;

black do;

ts = ts + tended (times);

y ts > ti then do;

y ts > tsmax then ti = Tsmax true

ti = ti + ts;

ts = 0; and; and;

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Timer Punnont

ts = ts + tused (timer);

y ts > ti then do;

yts > tsuer then ti = tsuer - tenin;

ti = ti+ts;

put self in privatey list by ti ; and

Confer lig, on highest priority process that can make slig.

getwork

times = temin;

jetun;

Remove this and make the privity fire higher priority process that can make alig.

time = tenin;