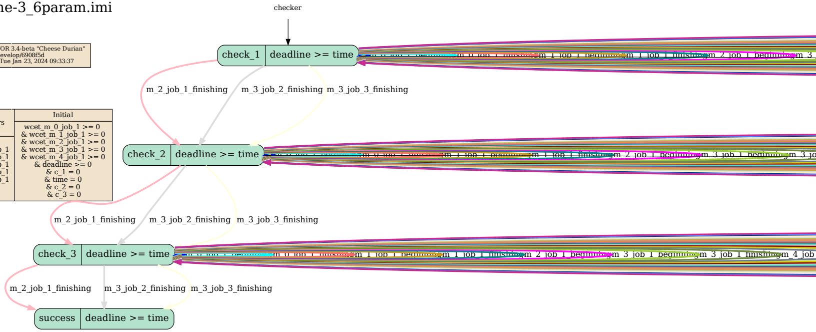
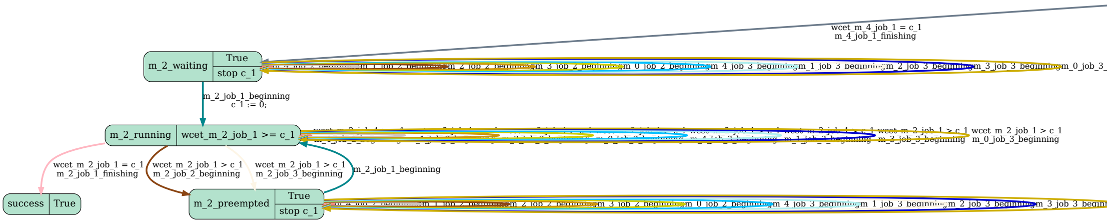
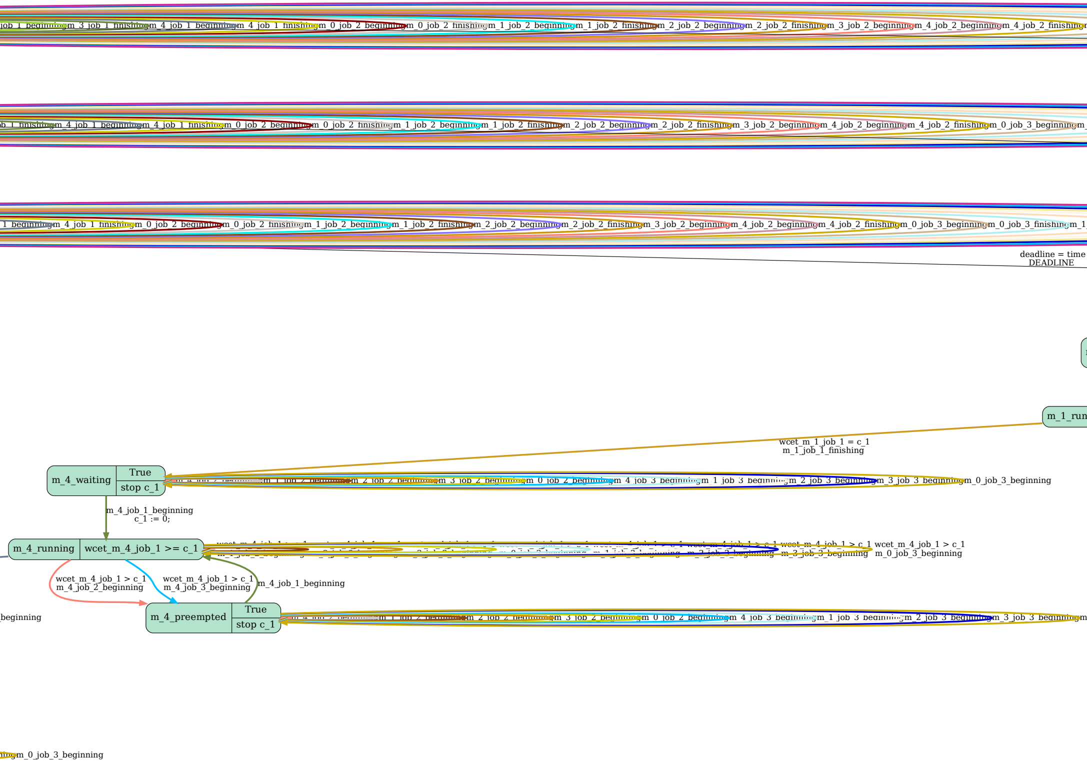
LA02_deadline-3_6param.imi

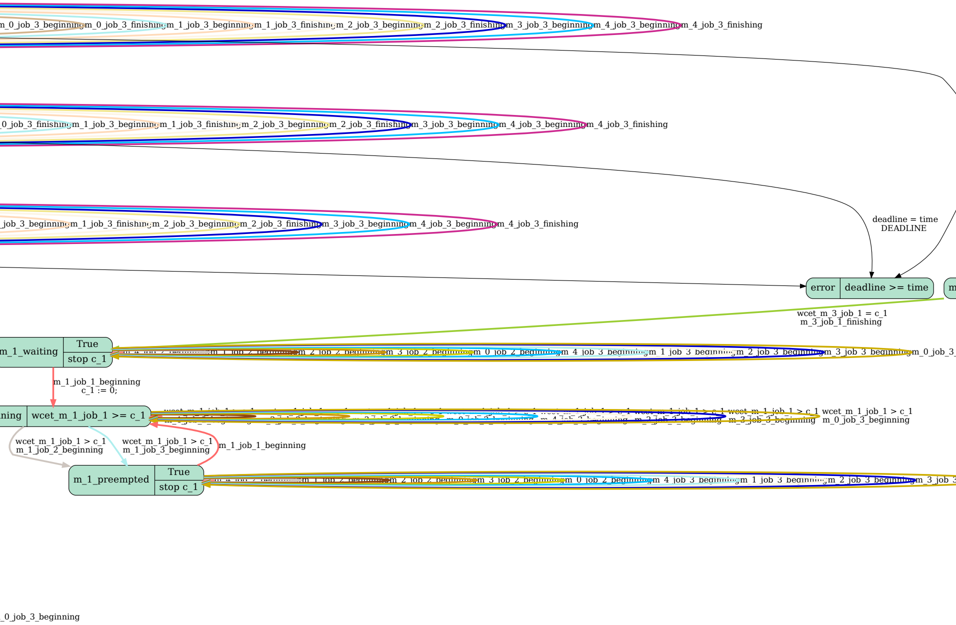
Generated by IMITATOR 3.4-beta "Cheese Durian"
Build: develop/6908f5d
Generation time: Tue Jan 23, 2024 09:33:37

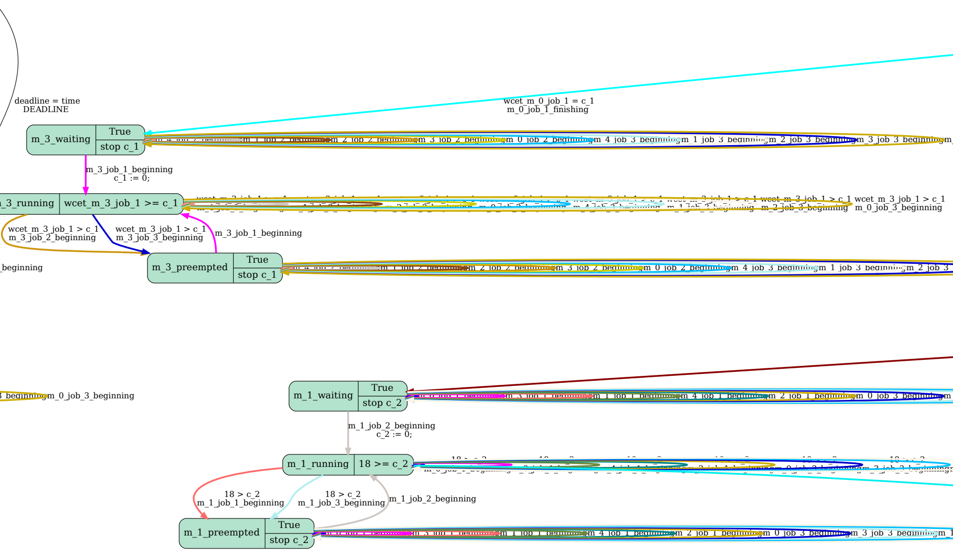
4 clocks	6 parameters	Initial
c_1 time c_2 c_3	wcet_m_0_job_1 wcet_m_1_job_1 wcet_m_2_job_1 wcet_m_3_job_1 wcet_m_4_job_1 deadline	wcet_m_0_job_1 >= 0 & wcet_m_1_job_1 >= 0 & wcet_m_2_job_1 >= 0 & wcet_m_3_job_1 >= 0 & wcet_m_4_job_1 >= 0 & deadline >= 0 & c_1 = 0 & time = 0 & c_2 = 0 & c_3 = 0

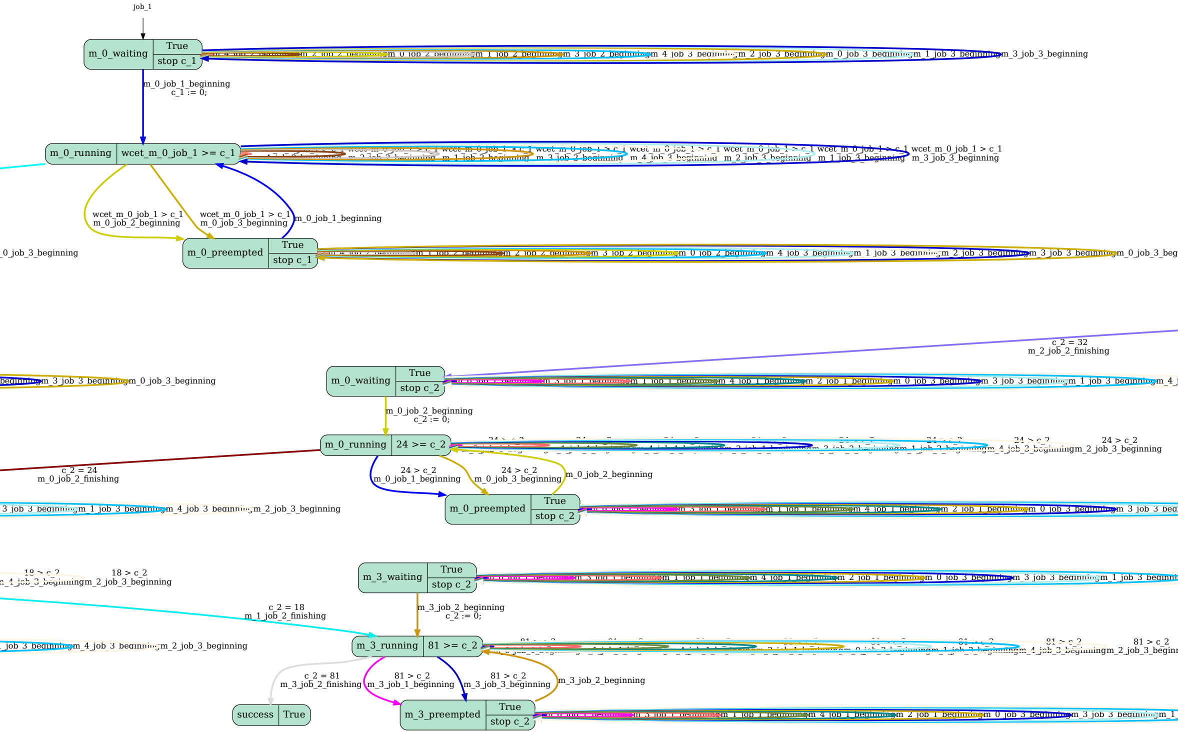

checker
check_1
deadline >= time
m_2_job_1_finishing
m_3_job_2_finishing
m_3_job_3_finishing
check_2
deadline >= time
m_2_job_1_finishing
m_3_job_2_finishing
m_3_job_3_finishing
check_3
deadline >= time
m_2_job_1_finishing
m_3_job_2_finishing
m_3_job_3_finishing
success
deadline >= time
m_0_job_1_beginning
m_0_job_1_finishing
m_1_job_1_beginning
m_1_job_1_finishing
m_2_job_1_beginning
m_3_job_1_beginning
m_3_job_1_finishing
m_4_job

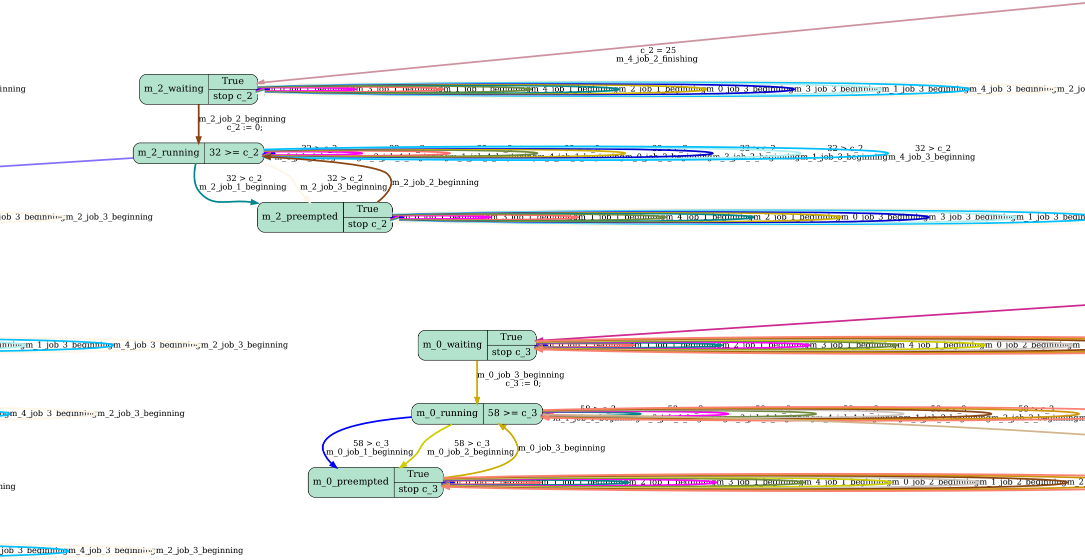

wcet_m_4_job_1 = c_1
m_4_job_1_finishing
m_2_waiting
True
stop c_1
m_1_job_2_beginning
m_2_job_2_beginning
m_3_job_2_beginning
m_0_job_2_beginning
m_4_job_3_beginning
m_1_job_3_beginning
m_2_job_3_beginning
m_3_job_3_beginning
m_2_job_1_beginning
c_1 := 0;
m_2_running
wcet_m_2_job_1 >= c_1
wcet_m_2_job_1 > c_1
m_1_job_3_beginning
wcet_m_2_job_1 > c_1
m_3_job_3_beginning
wcet_m_2_job_1 > c_1
m_0_job_3_beginning
wcet_m_2_job_1 = c_1
m_2_job_1_finishing
wcet_m_2_job_1 > c_1
m_2_job_2_beginning
wcet_m_2_job_1 > c_1
m_2_job_3_beginning
m_2_job_1_beginning
success
True
m_2_preempted
True
stop c_1
m_1_job_2_beginning
m_2_job_2_beginning
m_3_job_2_beginning
m_0_job_2_beginning
m_4_job_3_beginning
m_1_job_3_beginning
m_2_job_3_beginning
m_3_job_3_beginning

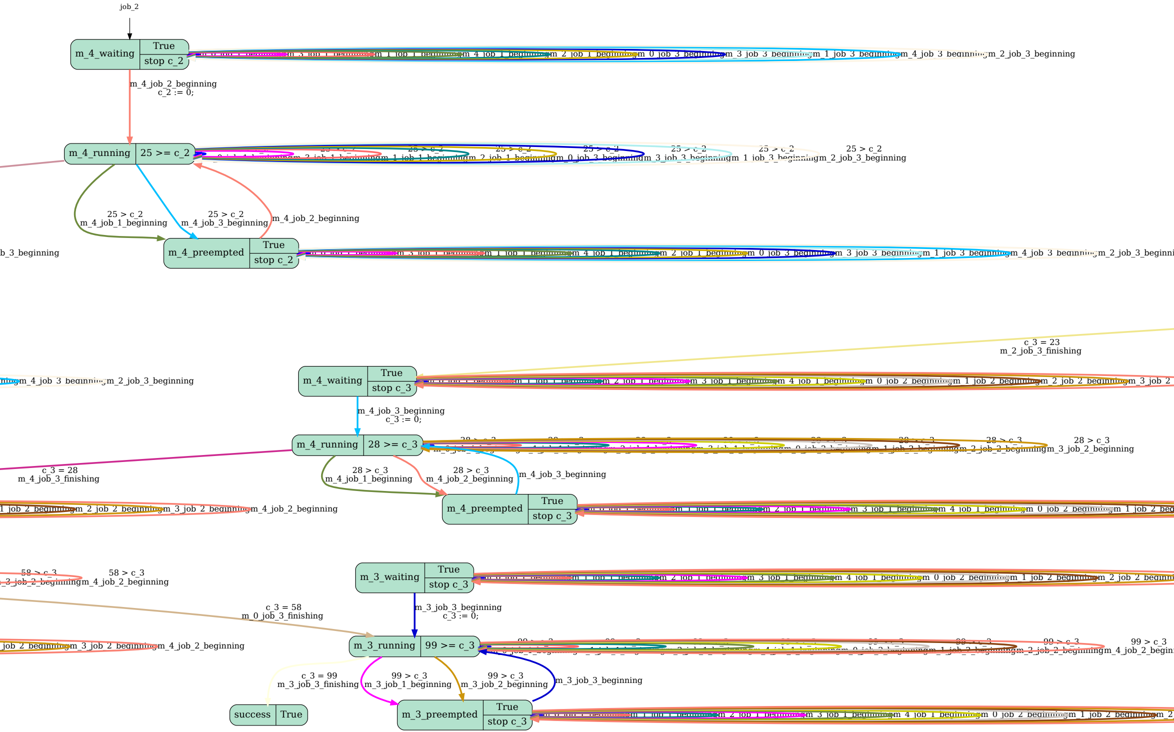

m_3_job_1_finishing
m_4_job_1_beginning
m_4_job_1_finishing
m_0_job_2_beginning
m_0_job_2_finishing
m_1_job_2_beginning
m_1_job_2_finishing
m_2_job_2_beginning
m_2_job_2_finishing
m_3_job_2_beginning
m_4_job_2_beginning
m_4_job_2_finishing
m_0_job_3_beginning
m_0_job_3_finishing
deadline = time
DEADLINE
m_1_run
wcet_m_1_job_1 = c_1
m_1_job_1_finishing
m_4_waiting
True
stop c_1
m_1_job_2_beginning
m_2_job_2_beginning
m_3_job_2_beginning
m_0_job_2_beginning
m_4_job_3_beginning
m_1_job_3_beginning
m_2_job_3_beginning
m_3_job_3_beginning
m_0_job_3_beginning
m_4_job_1_beginning
c_1 := 0;
m_4_running
wcet_m_4_job_1 >= c_1
wcet_m_4_job_1 > c_1
m_3_job_3_beginning
wcet_m_4_job_1 > c_1
m_0_job_3_beginning
wcet_m_4_job_1 > c_1
m_4_job_2_beginning
wcet_m_4_job_1 > c_1
m_4_job_3_beginning
m_4_job_1_beginning
beginning
m_4_preempted
True
stop c_1
m_0_job_3_beginning

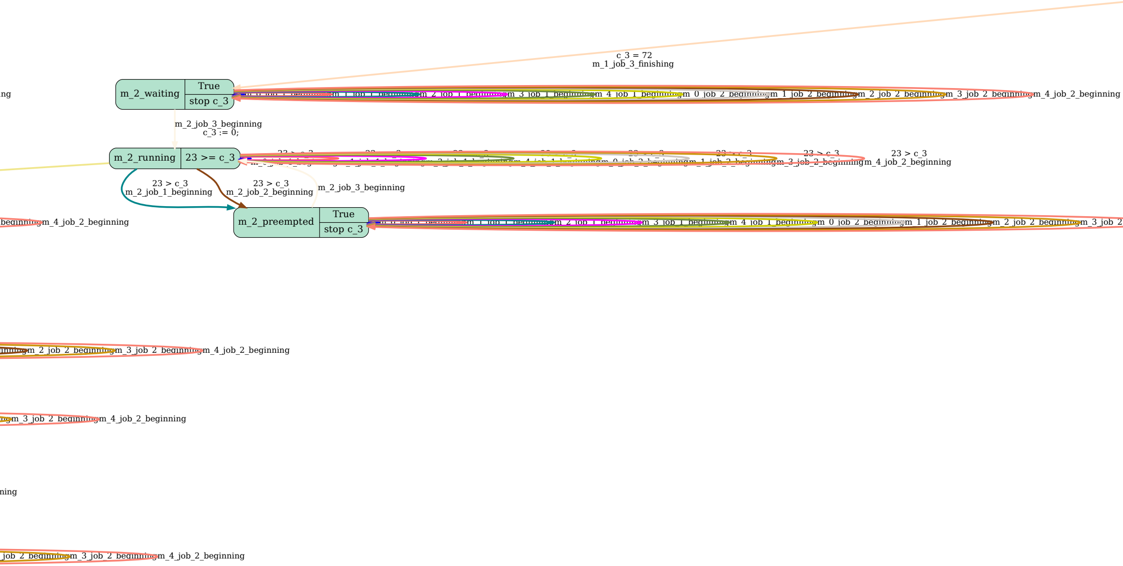

m_0_job_3_beginning
m_0_job_3_finishing
m_1_job_3_beginning
m_1_job_3_finishing
m_2_job_3_beginning
m_2_job_3_finishing
m_3_job_3_beginning
m_4_job_3_beginning
m_4_job_3_finishing
deadline = time
DEADLINE
error
deadline >= time
wcet_m_3_job_1 = c_1
m_3_job_1_finishing
m_1_waiting
True
stop c_1
m_1_job_1_beginning
c_1 := 0;
wcet_m_1_job_1 >= c_1
wcet_m_1_job_1 > c_1
m_0_job_3_beginning
wcet_m_1_job_1 > c_1
m_1_job_2_beginning
wcet_m_1_job_1 > c_1
m_1_job_3_beginning
m_1_job_1_beginning
m_1_preempted
True
stop c_1
_0_job_3_beginning


deadline = time
DEADLINE
wcet_m_0_job_1 = c_1
m_0_job_1_finishing
m_3_waiting
True
stop c_1
m_3_job_1_beginning
c_1 := 0;
m_3_running
wcet_m_3_job_1 >= c_1
wcet_m_3_job_1 > c_1
m_0_job_3_beginning
wcet_m_3_job_1 > c_1
m_3_job_2_beginning
wcet_m_3_job_1 > c_1
m_3_job_3_beginning
m_3_job_1_beginning
m_3_preempted
True
stop c_1
m_0_job_3_beginning
m_1_waiting
True
stop c_2
m_1_job_2_beginning
c_2 := 0;
m_1_running
18 >= c_2
18 > c_2
m_1_job_1_beginning
18 > c_2
m_1_job_3_beginning
m_1_job_2_beginning
m_1_preempted
True
stop c_2

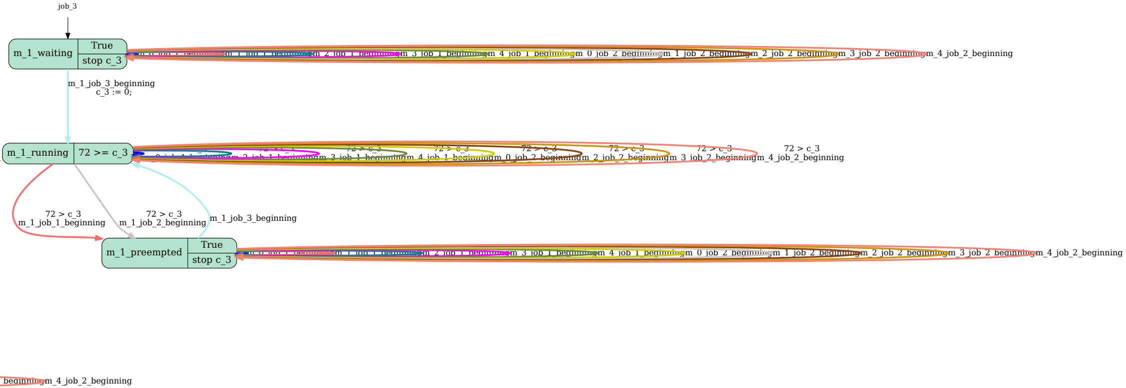

job_1
m_0_waiting | True | stop c_1
m_0_job_1_beginning
c_1 := 0;
m_3_job_3_beginning
m_0_running | wcet_m_0_job_1 >= c_1
wcet_m_0_job_1 > c_1
m_3_job_3_beginning
wcet_m_0_job_1 > c_1
m_0_job_2_beginning
wcet_m_0_job_1 > c_1
m_0_job_3_beginning
m_0_job_1_beginning
m_0_preempted | True | stop c_1
_0_job_3_beginning
c_2 = 32
m_2_job_2_finishing
m_0_waiting | True | stop c_2
m_0_job_3_beginning
m_0_job_2_beginning
c_2 := 0;
m_0_running | 24 >= c_2
24 > c_2
m_2_job_3_beginning
c_2 = 24
m_0_job_2_finishing
24 > c_2
m_0_job_1_beginning
24 > c_2
m_0_job_3_beginning
m_0_job_2_beginning
m_0_preempted | True | stop c_2
m_2_job_3_beginning
18 > c_2
m_2_job_3_beginning
m_3_waiting | True | stop c_2
m_3_job_2_beginning
c_2 := 0;
c_2 = 18
m_1_job_2_finishing
m_3_running | 81 >= c_2
m_2_job_3_beginning
81 > c_2
c_2 = 81
m_3_job_2_finishing
81 > c_2
m_3_job_1_beginning
81 > c_2
m_3_job_3_beginning
m_3_job_2_beginning
success | True
m_3_preempted | True | stop c_2


c_2 = 25
m_4_job_2_finishing
m_2_waiting
True
stop c_2
m_2_job_2_beginning
c_2 := 0;
m_2_running
32 >= c_2
32 > c_2
m_4_job_3_beginning
32 > c_2
m_2_job_1_beginning
32 > c_2
m_2_job_3_beginning
m_2_job_2_beginning
m_2_preempted
True
stop c_2
m_2_job_3_beginning
m_1_job_3_beginning
m_4_job_3_beginning
m_2_job_3_beginning
m_4_job_3_beginning
m_2_job_3_beginning
m_0_waiting
True
stop c_3
m_0_job_3_beginning
c_3 := 0;
m_0_running
58 >= c_3
58 > c_3
m_0_job_1_beginning
58 > c_3
m_0_job_2_beginning
m_0_job_3_beginning
m_0_preempted
True
stop c_3
m_4_job_3_beginning
m_2_job_3_beginning


job_2
m_4_waiting
True
stop c_2
m_4_job_2_beginning
c_2 := 0;
m_4_running
25 >= c_2
25 > c_2
m_4_job_1_beginning
25 > c_2
m_4_job_3_beginning
m_4_job_2_beginning
m_4_preempted
True
stop c_2
m_1_job_1_beginning
m_4_job_1_beginning
m_2_job_1_beginning
m_0_job_3_beginning
m_3_job_3_beginning
m_1_job_3_beginning
m_4_job_3_beginning
m_2_job_3_beginning
c_3 = 23
m_2_job_3_finishing
m_4_waiting
True
stop c_3
m_4_job_3_beginning
c_3 := 0;
m_4_running
28 >= c_3
28 > c_3
m_3_job_2_beginning
c_3 = 28
m_4_job_3_finishing
28 > c_3
m_4_job_1_beginning
28 > c_3
m_4_job_2_beginning
m_4_job_3_beginning
m_4_preempted
True
stop c_3
m_2_job_2_beginning
m_3_job_2_beginning
m_4_job_2_beginning
58 > c_3
58 > c_3
m_4_job_2_beginning
m_3_waiting
True
stop c_3
m_3_job_3_beginning
c_3 := 0;
c_3 = 58
m_0_job_3_finishing
m_3_running
99 >= c_3
m_3_job_2_beginning
m_4_job_2_beginning
99 > c_3
m_1_job_2_beginning
m_2_job_2_beginning
c_3 = 99
m_3_job_3_finishing
99 > c_3
m_3_job_1_beginning
99 > c_3
m_3_job_2_beginning
m_3_job_3_beginning
success
True
m_3_preempted
True
stop c_3



c_3 = 72
m_1_job_3_finishing
m_2_waiting
True
stop c_3
m_0_job_1_beginning
m_1_job_1_beginning
m_2_job_1_beginning
m_3_job_1_beginning
m_4_job_1_beginning
m_0_job_2_beginning
m_1_job_2_beginning
m_2_job_2_beginning
m_3_job_2_beginning
m_4_job_2_beginning
m_2_job_3_beginning
c_3 := 0;
m_2_running
23 >= c_3
23 > c_3
m_3_job_2_beginning
23 > c_3
m_4_job_2_beginning
23 > c_3
m_2_job_1_beginning
23 > c_3
m_2_job_2_beginning
m_2_job_3_beginning
m_2_preempted
True
stop c_3
m_0_job_1_beginning
m_1_job_1_beginning
m_2_job_1_beginning
m_3_job_1_beginning
m_4_job_1_beginning
m_0_job_2_beginning
m_1_job_2_beginning
m_2_job_2_beginning
m_3_job_2
ng
beginning
m_4_job_2_beginning
m_2_job_2_beginning
m_3_job_2_beginning
m_4_job_2_beginning
m_3_job_2_beginning
m_4_job_2_beginning
ning
job_2_beginning
m_3_job_2_beginning
m_4_job_2_beginning


job_3
m_1_waiting
True
stop c_3
m_0_job_1_beginning
m_1_job_1_beginning
m_2_job_1_beginning
m_3_job_1_beginning
m_4_job_1_beginning
m_0_job_2_beginning
m_1_job_2_beginning
m_2_job_2_beginning
m_3_job_2_beginning
m_4_job_2_beginning
m_1_job_3_beginning
c_3 := 0;
m_1_running
72 >= c_3
72 > c_3
m_0_job_1_beginning
m_2_job_1_beginning
m_3_job_1_beginning
m_4_job_1_beginning
m_0_job_2_beginning
m_2_job_2_beginning
m_3_job_2_beginning
m_4_job_2_beginning
72 > c_3
m_1_job_1_beginning
72 > c_3
m_1_job_2_beginning
m_1_job_3_beginning
m_1_preempted
True
stop c_3
m_0_job_1_beginning
m_1_job_1_beginning
m_2_job_1_beginning
m_3_job_1_beginning
m_4_job_1_beginning
m_0_job_2_beginning
m_1_job_2_beginning
m_2_job_2_beginning
m_3_job_2_beginning
m_4_job_2_beginning
beginning
m_4_job_2_beginning