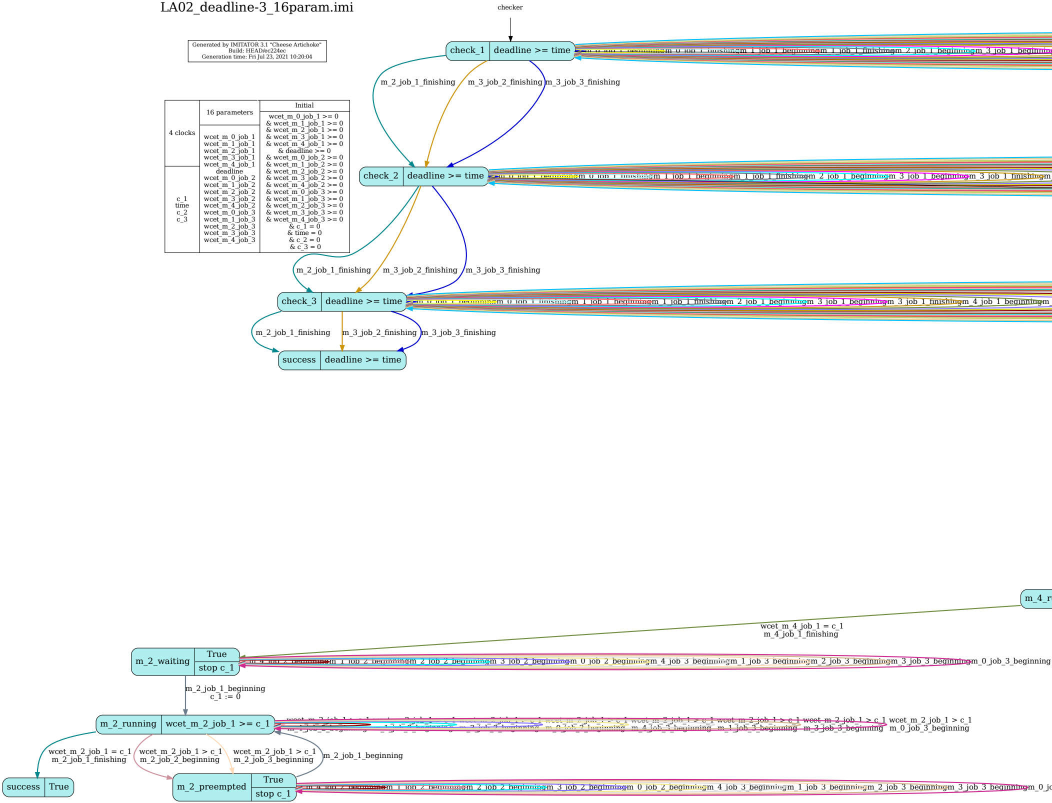
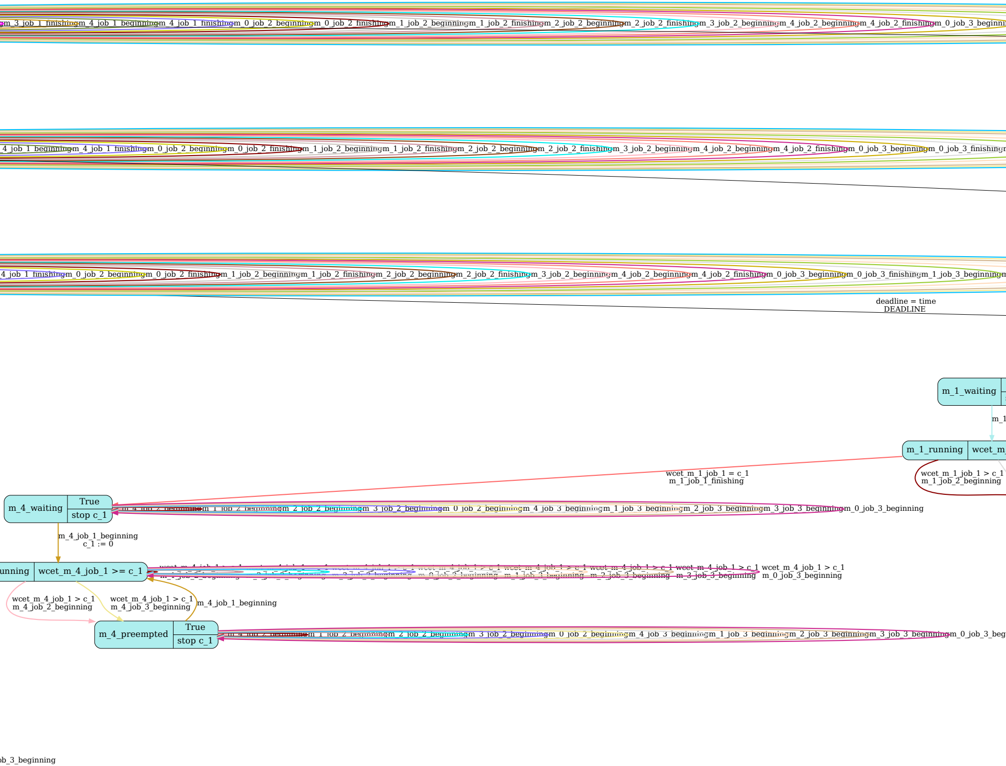
LA02_deadline-3_16param.imi

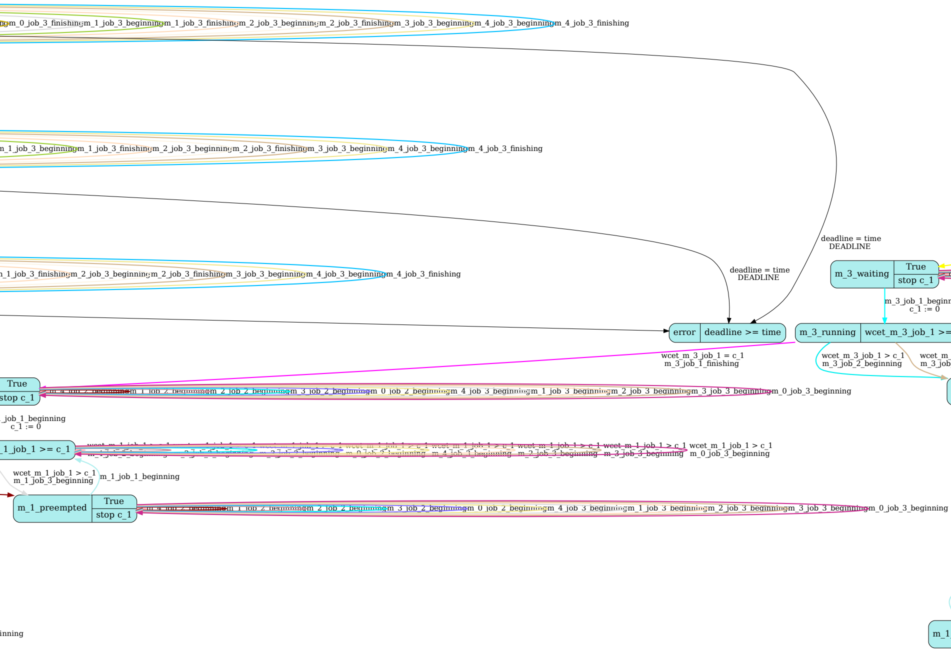
Generated by IMITATOR 3.1 "Cheese Artichoke"
Build: HEAD/ec224ec
Generation time: Fri Jul 23, 2021 10:20:04

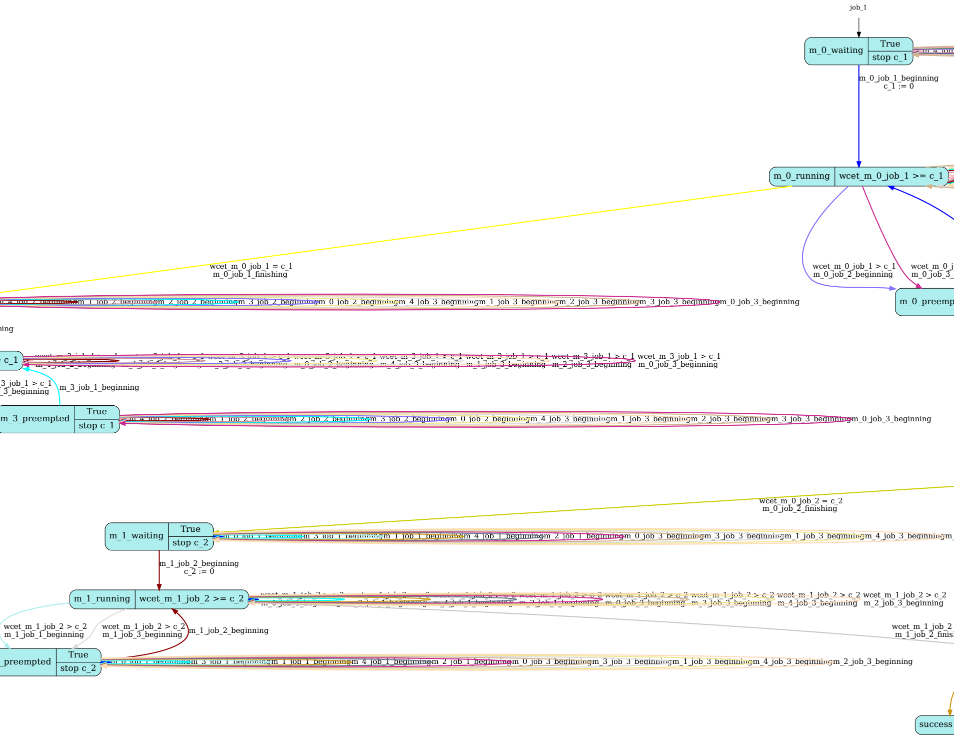
4 clocks	16 parameters	Initial
c_1 time c_2 c_3	wcet_m_0_job_1 wcet_m_1_job_1 wcet_m_2_job_1 wcet_m_3_job_1 wcet_m_4_job_1 deadline wcet_m_0_job_2 wcet_m_1_job_2 wcet_m_2_job_2 wcet_m_3_job_2 wcet_m_4_job_2 wcet_m_0_job_3 wcet_m_1_job_3 wcet_m_2_job_3 wcet_m_3_job_3 wcet_m_4_job_3	wcet_m_0_job_1 >= 0 & 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 & wcet_m_0_job_2 >= 0 & wcet_m_1_job_2 >= 0 & wcet_m_2_job_2 >= 0 & wcet_m_3_job_2 >= 0 & wcet_m_4_job_2 >= 0 & wcet_m_0_job_3 >= 0 & wcet_m_1_job_3 >= 0 & wcet_m_2_job_3 >= 0 & wcet_m_3_job_3 >= 0 & wcet_m_4_job_3 >= 0 & c_1 = 0 & time = 0 & c_2 = 0 & c_3 = 0

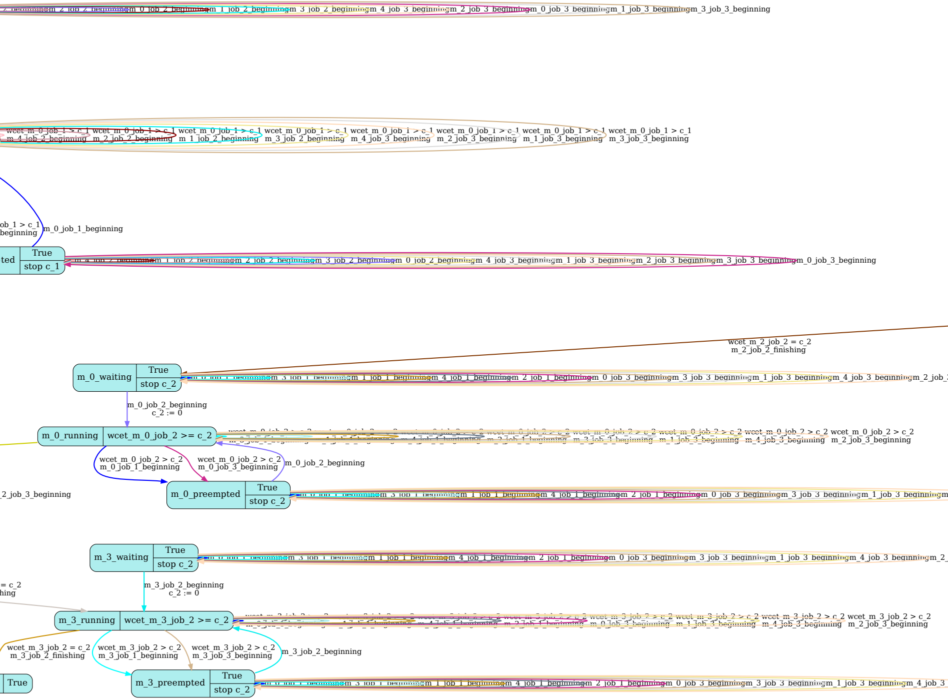

checker
check_1
deadline >= time
m_2_job_1_finishing
m_3_job_2_finishing
m_3_job_3_finishing
check_2
deadline >= time
m_2_job_1_finishing
m_3_job_2_finishing
m_3_job_3_finishing
check_3
deadline >= time
m_2_job_1_finishing
m_3_job_2_finishing
m_3_job_3_finishing
success
deadline >= time
m_0_job_1_finishing
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_1_beginning
m_4_r
wcet_m_4_job_1 = c_1
m_4_job_1_finishing
m_2_waiting
True
stop c_1
m_4_job_2_beginning
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_2_job_1_beginning
c_1 := 0
m_2_running
wcet_m_2_job_1 >= c_1
wcet_m_2_job_1 > c_1
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

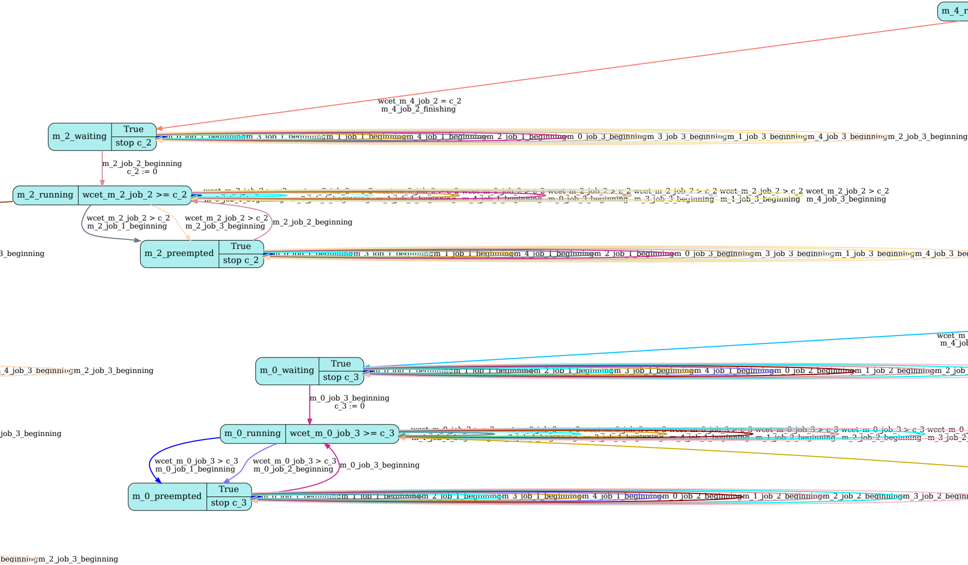


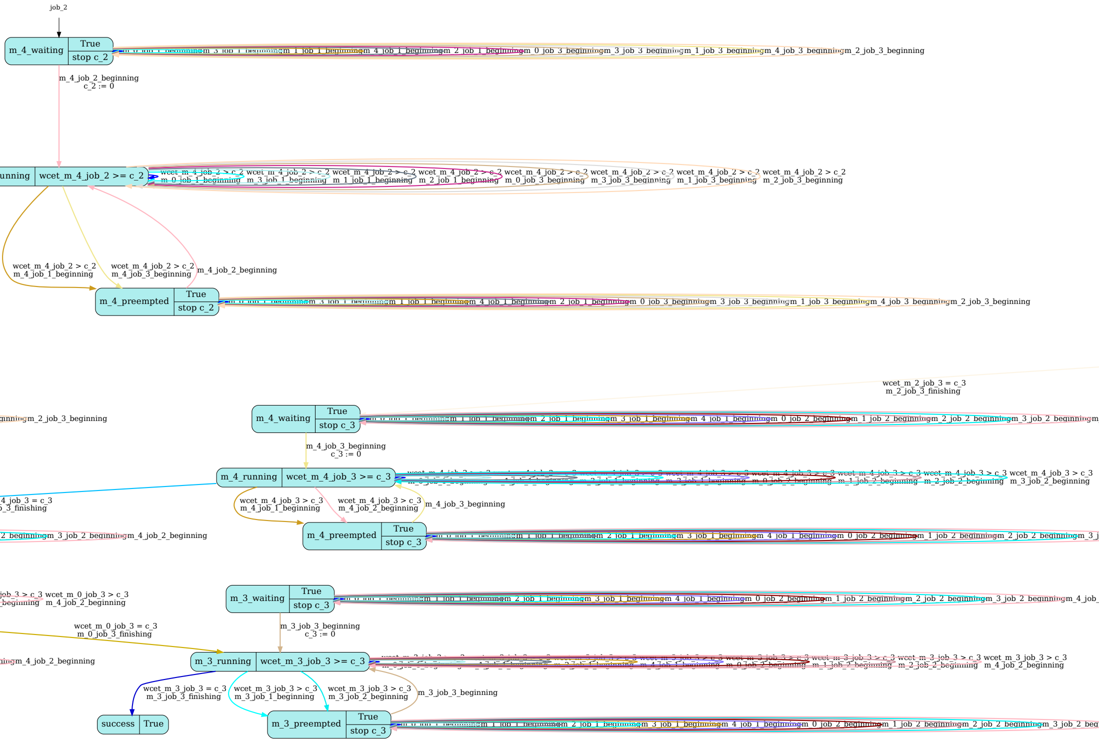
m_3_job_1_finishing
m_4_job_1_beginning
m_4_job_1_finishing
m_0_job_2_beginning
m_0_job_2_finishing
m_1_job_2_beginning
m_1_job_2_finishing
m_2_job_2_beginning
m_2_job_2_finishing
m_3_job_2_beginning
m_4_job_2_beginning
m_4_job_2_finishing
m_0_job_3_beginning
m_0_job_3_finishing
m_1_job_3_beginning
deadline = time
DEADLINE
m_1_waiting
m_1_running
wcet_m_1_job_1 = c_1
m_1_job_1_finishing
wcet_m_1_job_1 > c_1
m_1_job_2_beginning
m_4_waiting
True
stop c_1
m_4_job_2_beginning
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
wcet_m_4_job_1 >= c_1
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
m_4_preempted
True
stop c_1

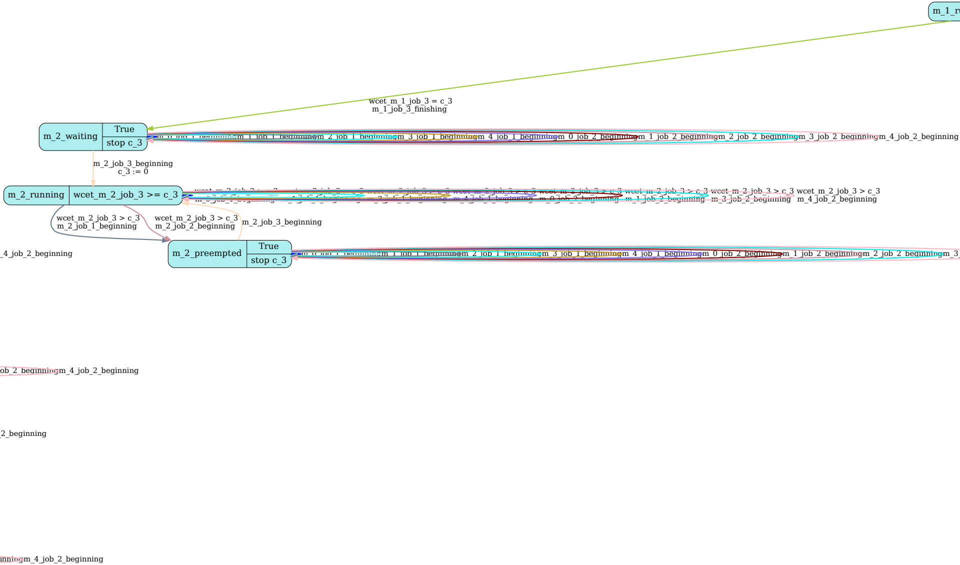

m_0_job_3_finishing
m_1_job_3_beginning
m_1_job_3_finishing
m_2_job_3_beginning
m_2_job_3_finishing
m_3_job_3_beginning
m_4_job_3_beginning
m_4_job_3_finishing
deadline = time
DEADLINE
deadline = time
DEADLINE
m_3_waiting
True
stop c_1
m_3_job_1_beginn
c_1 := 0
error
deadline >= time
m_3_running
wcet_m_3_job_1 >=
wcet_m_3_job_1 = c_1
m_3_job_1_finishing
wcet_m_3_job_1 > c_1
m_3_job_2_beginning
wcet_m_
m_3_job
True
stop c_1
m_4_job_2_beginning
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
_job_1_beginning
c_1 := 0
_1_job_1 >= c_1
wcet_m_1_job_1 > 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_2_job_3_beginning
m_3_job_3_beginning
m_0_job_3_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
m_4_job_2_beginning
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
inning
m_1_

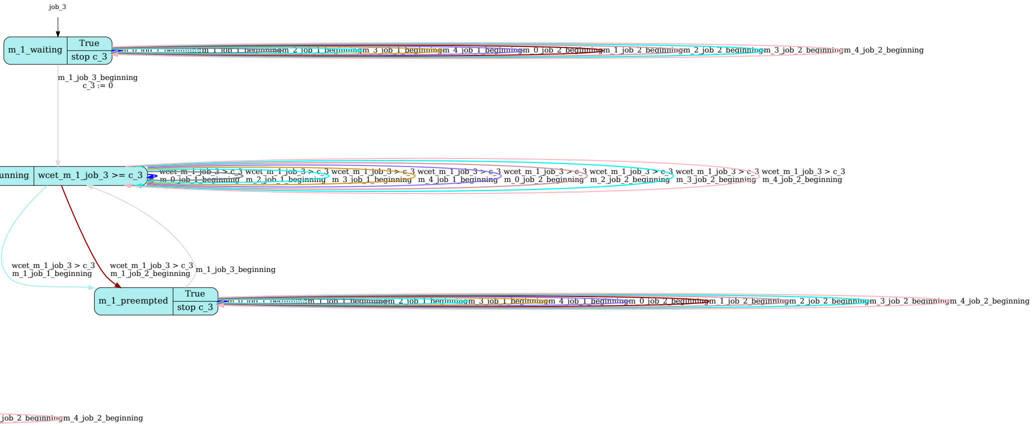

job_1
m_0_waiting
True
stop c_1
m_0_job_1_beginning
c_1 := 0
m_0_running
wcet_m_0_job_1 >= c_1
wcet_m_0_job_1 = c_1
m_0_job_1_finishing
wcet_m_0_job_1 > c_1
m_0_job_2_beginning
m_0_preemp
m_3_job_1_beginning
m_3_preempted
True
stop c_1
wcet_m_3_job_1 > c_1
m_0_job_3_beginning
wcet_m_0_job_2 = c_2
m_0_job_2_finishing
m_1_waiting
True
stop c_2
m_1_job_2_beginning
c_2 := 0
m_1_running
wcet_m_1_job_2 >= c_2
wcet_m_1_job_2 > c_2
m_1_job_1_beginning
wcet_m_1_job_2 > c_2
m_1_job_3_beginning
m_1_job_2_beginning
_preempted
True
stop c_2
wcet_m_1_job_2 > c_2
m_2_job_3_beginning
m_1_job_2_finis
success


m_0_waiting
True
stop c_2
m_0_job_2_beginning
c_2 := 0
m_0_running
wcet_m_0_job_2 >= c_2
wcet_m_0_job_2 > c_2
m_0_job_1_beginning
wcet_m_0_job_2 > c_2
m_0_job_3_beginning
m_0_job_2_beginning
m_0_preempted
True
stop c_2
wcet_m_2_job_2 = c_2
m_2_job_2_finishing
m_3_waiting
True
stop c_2
m_3_job_2_beginning
c_2 := 0
m_3_running
wcet_m_3_job_2 >= c_2
wcet_m_3_job_2 = c_2
m_3_job_2_finishing
wcet_m_3_job_2 > c_2
m_3_job_1_beginning
wcet_m_3_job_2 > c_2
m_3_job_3_beginning
m_3_job_2_beginning
m_3_preempted
True
stop c_2
True
stop c_1
m_0_job_1_beginning
wcet_m_0_job_1 > c_1
m_4_job_2_beginning
m_2_job_2_beginning
m_1_job_2_beginning
m_3_job_2_beginning
m_4_job_3_beginning
m_2_job_3_beginning
m_1_job_3_beginning
m_3_job_3_beginning
m_0_job_3_beginning
m_2_job_2_beginning
m_0_job_2_beginning
m_1_job_2_beginning
m_3_job_2_beginning
m_4_job_3_beginning
m_2_job_3_beginning
m_0_job_3_beginning
m_1_job_3_beginning
m_3_job_3_beginning
m_3_job_1_beginning
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


m_4_r
wcet_m_4_job_2 = c_2
m_4_job_2_finishing
m_2_waiting
True
stop c_2
m_0_job_1_beginning m_3_job_1_beginning 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
m_2_job_2_beginning
c_2 := 0
m_2_running
wcet_m_2_job_2 >= c_2
wcet_m_2_job_2 > c_2
m_4_job_3_beginning
m_0_job_1_beginning m_1_job_1_beginning m_4_job_1_beginning m_0_job_3_beginning m_3_job_3_beginning m_1_job_3_beginning
wcet_m_2_job_2 > c_2
m_2_job_1_beginning
wcet_m_2_job_2 > c_2
m_2_job_3_beginning
m_2_job_2_beginning
3_beginning
m_2_preempted
True
stop c_2
m_0_job_1_beginning m_3_job_1_beginning 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_be
wcet_m
m_4_job
_4_job_3_beginning m_2_job_3_beginning
m_0_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
m_0_job_3_beginning
c_3 := 0
job_3_beginning
m_0_running
wcet_m_0_job_3 >= c_3
wcet_m_0_job_3 > c_3 wcet_m_0
m_1_job_1_beginning m_2_job_1_beginning m_3_job_1_beginning m_4_job_1_beginning m_1_job_2_beginning m_2_job_2_beginning m_3_job_2
wcet_m_0_job_3 > c_3
m_0_job_1_beginning
wcet_m_0_job_3 > c_3
m_0_job_2_beginning
m_0_job_3_beginning
m_0_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_beginn
beginning m_2_job_3_beginning


job_2
m_4_waiting
True
stop c_2
m_0_job_1_beginning m_3_job_1_beginning 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
m_4_job_2_beginning
c_2 := 0
unning
wcet_m_4_job_2 >= c_2
wcet_m_4_job_2 > c_2
m_0_job_1_beginning
m_3_job_1_beginning
m_1_job_1_beginning
m_2_job_1_beginning
m_0_job_3_beginning
m_3_job_3_beginning
m_1_job_3_beginning
m_2_job_3_beginning
wcet_m_4_job_2 > c_2
m_4_job_1_beginning
wcet_m_4_job_2 > c_2
m_4_job_3_beginning
m_4_job_2_beginning
m_4_preempted
True
stop c_2
wcet_m_2_job_3 = c_3
m_2_job_3_finishing
m_4_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_3_beginning
c_3 := 0
m_4_running
wcet_m_4_job_3 >= c_3
wcet_m_4_job_3 > c_3
m_0_job_1_beginning m_1_job_1_beginning m_2_job_1_beginning m_3_job_1_beginning m_0_job_2_beginning m_1_job_2_beginning m_2_job_2_beginning m_3_job_2_beginning
4_job_3 = c_3
_3_finishing
wcet_m_4_job_3 > c_3
m_4_job_1_beginning
wcet_m_4_job_3 > c_3
m_4_job_2_beginning
m_4_job_3_beginning
m_4_preempted
True
stop c_3
2_beginning m_3_job_2_beginning m_4_job_2_beginning
m_3_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
job_3 > c_3 wcet_m_0_job_3 > c_3
_beginning m_4_job_2_beginning
m_3_job_3_beginning
c_3 := 0
wcet_m_0_job_3 = c_3
m_0_job_3_finishing
m_4_job_2_beginning
m_3_running
wcet_m_3_job_3 >= c_3
wcet_m_3_job_3 > c_3
m_4_job_1_beginning m_0_job_2_beginning m_1_job_2_beginning m_2_job_2_beginning m_4_job_2_beginning
wcet_m_3_job_3 = c_3
m_3_job_3_finishing
wcet_m_3_job_3 > c_3
m_3_job_1_beginning
wcet_m_3_job_3 > c_3
m_3_job_2_beginning
m_3_job_3_beginning
success
True
m_3_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_beg


m_1_ru
wcet_m_1_job_3 = c_3
m_1_job_3_finishing
m_2_waiting
True
stop c_3
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
wcet_m_2_job_3 >= c_3
wcet_m_2_job_3 > c_3
m_0_job_2_beginning
m_1_job_2_beginning
m_3_job_2_beginning
m_4_job_2_beginning
wcet_m_2_job_3 > c_3
m_2_job_1_beginning
wcet_m_2_job_3 > c_3
m_2_job_2_beginning
m_2_job_3_beginning
m_2_preempted
True
stop c_3
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
_4_job_2_beginning
ob_2_beginning
m_4_job_2_beginning
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
unning
wcet_m_1_job_3 >= c_3
wcet_m_1_job_3 > c_3
m_0_job_1_beginning
wcet_m_1_job_3 > c_3
m_2_job_1_beginning
wcet_m_1_job_3 > c_3
m_3_job_1_beginning
wcet_m_1_job_3 > c_3
m_4_job_1_beginning
wcet_m_1_job_3 > c_3
m_0_job_2_beginning
wcet_m_1_job_3 > c_3
m_2_job_2_beginning
wcet_m_1_job_3 > c_3
m_3_job_2_beginning
wcet_m_1_job_3 > c_3
m_4_job_2_beginning
wcet_m_1_job_3 > c_3
m_1_job_1_beginning
wcet_m_1_job_3 > 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
job_2_beginning
m_4_job_2_beginning