

context Ctx_PartProc_Trans

sets PARTITIONS PROCESSES PARTITION_MODES PROCESS_STATES

constants PM_IDLE PM_NORMAL PM_WARM_START

PM_COLD_START

PS_Dormant PS_Ready PS_Waiting PS_Suspend PS_WaitandSuspend

PS_Running

axioms

@axm_part_finite finite(PARTITIONS)

@axm_processes_finite finite(PROCESSES)

@axm_partition_partitionmodes partition(PARTITION_MODES,{PM_IDLE},
{PM_NORMAL},{PM_COLD_START},{PM_WARM_START})

@axm_partition_procstates partition(PROCESS_STATES,{PS_Dormant}, {PS_Ready}, {PS_Waiting},
{PS_Suspend}, {PS_WaitandSuspend}, {PS_Running})

@axm_partition_nums card(PARTITIONS) >0 \wedge card(PARTITIONS) < 256

end