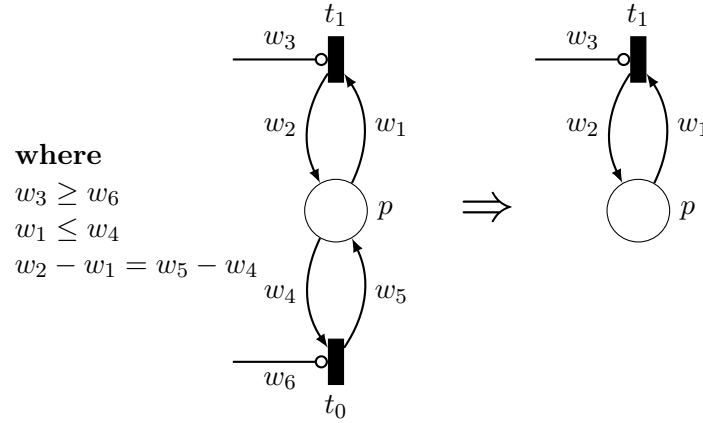


Rule L: Dominated Transition

Rule L removes transitions that have the same effect as another transition, but with more preconditions. Since both transitions lead to the same state, we can therefore remove the one with the higher preconditions and use the other instead. See the formal description in Figure 1.



Precondition	Update
Fix transition t_1 and t_0 s.t.:	
L1) $I(t_1) \geq I(t_0)$	UL1) Remove t_0
L2) $\Xi(t_1) \leq \Xi(t_0)$	
L3) $E(t_1) = E(t_0)$	

Figure 1: Rule L: Dominated Transition

Theorem 1 *Rule L in Figure 1 is correct for CTL*.*