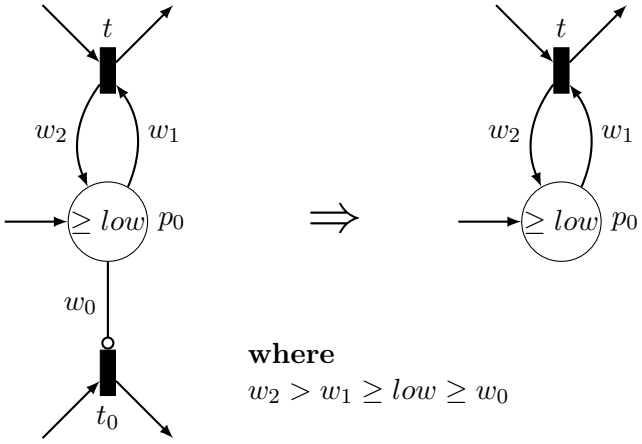
Rule O: Inhibited transition

We can find the lower bound of tokens at a place p_0. Any inhibitor arc from p_0 with a weight smaller than the lower bound always inhibits the given transition, which means that the transition can be removed. See Figure 1 for a formal description of Rule O.



Precondition	Update
Fix place p_0 and transition t_0 s.t.: O1) $t_0 \in p_0^\circ$ O2) $I(p_0, t_0) \leq low$ where $low = \min\{M_0(p_0)\} \cup \{\boxplus(p_0, t) \mid t \in p_0^{\boxminus}\}$	UO1) Remove t_0.

Figure 1: Rule O: Inhibited transition

Theorem 1 *Rule O in Figure 1 is correct for CTL**