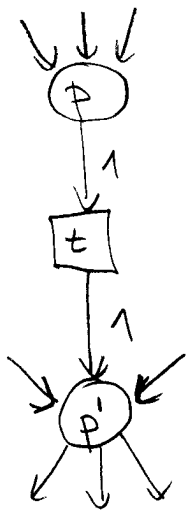
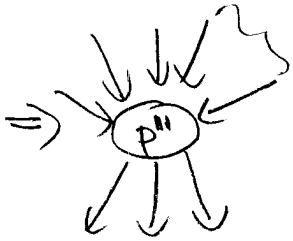
Query ... places used in query
Inhib ... places or transitions connected to an inhibitor arc.
M_0 ... initial marking

A)





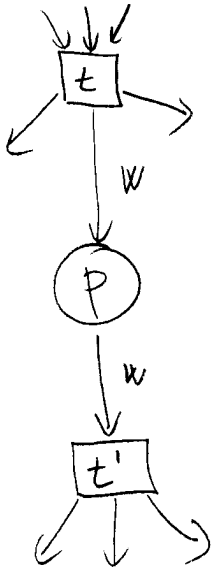
Conditions

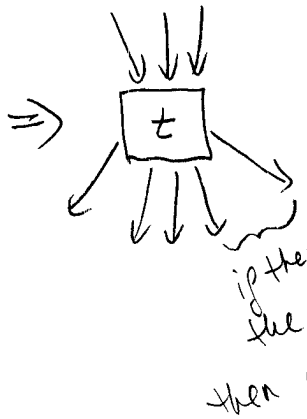
- $p, p' \notin$ Query
- $t, p, p' \notin$ Inhib
- $M_0(p) = 0$ or $M_0(p') = 0$

$p'' = p$ if $M_0(p') = 0$
$= p'$ if $M_0(p) = 0$

p != p'

B)



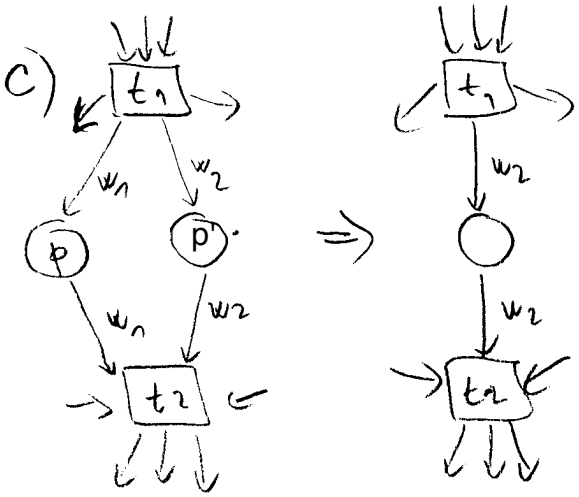


Conditions

- $p \notin$ Query
- $M_0(p) = 0$
- $p \notin$ Inhib
- $t, t' \notin$ Inhib
- $(t')^\bullet \cap$ Inhib $= \emptyset$
- $t \neq t'$

(t')* has no places from Query

C)



Conditions: $p \notin$ Query, $p \notin$ Inhib
$M_0(p) = 0$, $t_1 \neq t_2$

M_0(p') = 0

D) if $t_1 \neq t_2$ have the same pre and post (including weights), remove t_2