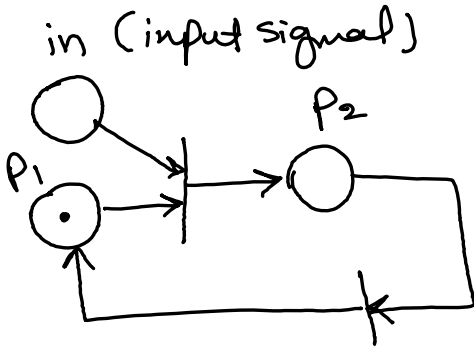


Exp: Test Delay

Re-clone or
R-download
the Framework
Repository
from bitbucket



Place types:

P_1, P_2, in : String

Constant Places:

One : Integer (1)

Five : Integer (5)

Grd & Map

$T_1: \text{grd}_1' (P_1 \neq \text{null}) \text{ AND } (in \neq \text{null})$

$P_2 = P_1$;

$T_1 \cdot \text{Delay} = \text{Five}$;

The effect
will be in
the next
loop

$\text{grd}_2^1 : (P_1 \neq \text{null}) \text{AND} (in == \text{null})$

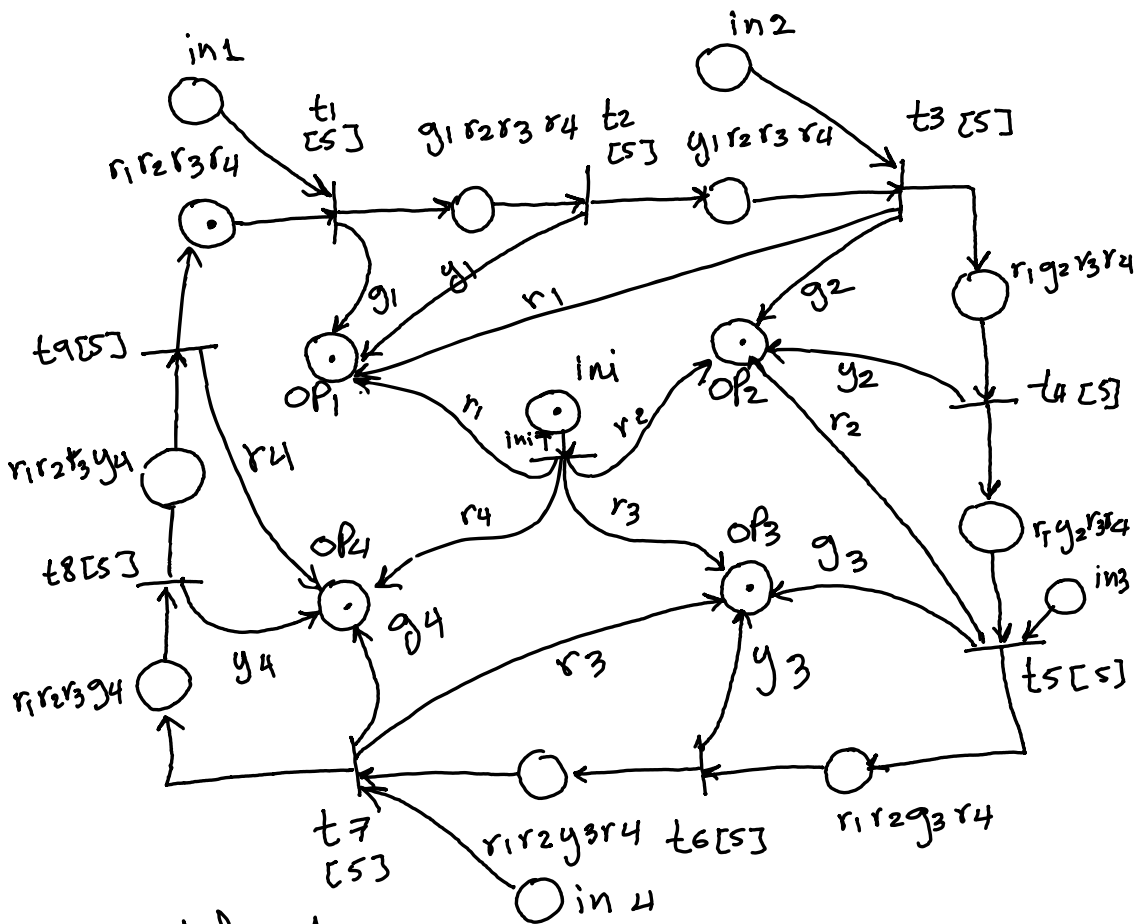
$P_2 = P_1 ;$

$T_1. \text{Delay} = \text{One} ;$

$T_2 : (P_2 \neq \text{null})$

$P_1 = P_2 .$

Exercise : Modify 4 phase controller from Project 5 and test it with lanes and Intersection from Project 4 "Test the case of traffic jam by sending 4 cars to one of the lanes before receiving a green light"



Modifications:

add $in_1 \dots in_4$: Data String

add constant Places:

Five : (5) Integer

Ten : (10) Integer

Modify: T_1 , T_3 , T_5 , and T_7

$T_1: \text{grad}_1' : (r_1 r_2 r_3 r_4 \neq \text{null})$
AND $(in == \text{null})$

$$g_1 r_2 r_3 r_4 = r_1 r_2 r_3 r_4$$

OP_1 . Send Over Network ("green")

T_1 . Dynamic Delay = Five

$\text{grad}_2' : (r_1 r_2 r_3 r_4 \neq \text{null})$
AND $(in \neq \text{null})$

$$g_1 r_2 r_3 r_4 = r_1 r_2 r_3 r_4$$

OP_1 . Send Over Network ("green")

T_1 . Dynamic Delay = Ten

Same for T_3 , T_5 , and T_7