



Minimal BTSN - Single Place Model

Architectural Constraint:  $|\bullet P| = 1 \wedge |P \bullet| = 1$

Building Block:  $T_{in} \wedge P \wedge T_{out}$

Components:

- $T_{in}$ : Input transition (synchronization coordinator)
  - $P$ : Service execution place
- $T_{out}$ : Output transition (distribution coordinator)

This is the atomic unit of BTSN architecture  
that maintains all formal constraints.