





Petri Net — mathematical model A Petri Net is a bipartite, directed graph. This may be represented by a tuple ⟨P, T, F⟩, where P is a set of nodes called places T is a set of nodes (P ∩ T = Ø) called transitions F ⊆ (P × T) ∪ (T × P) is the flow relation consisting of a set of arcs. A marking M is mapping P → N (N = {0,1,2,...}) A transition t is enabled in M iff there is a token for each input arc of t An enabled transition t may fire consuming/producing tokens: M ^t→ M' A (multi)set of transitions may be concurrently enabled if enough tokens A set U of concurrently enabled transitions may fire simultaneously: M ^U→ M'













