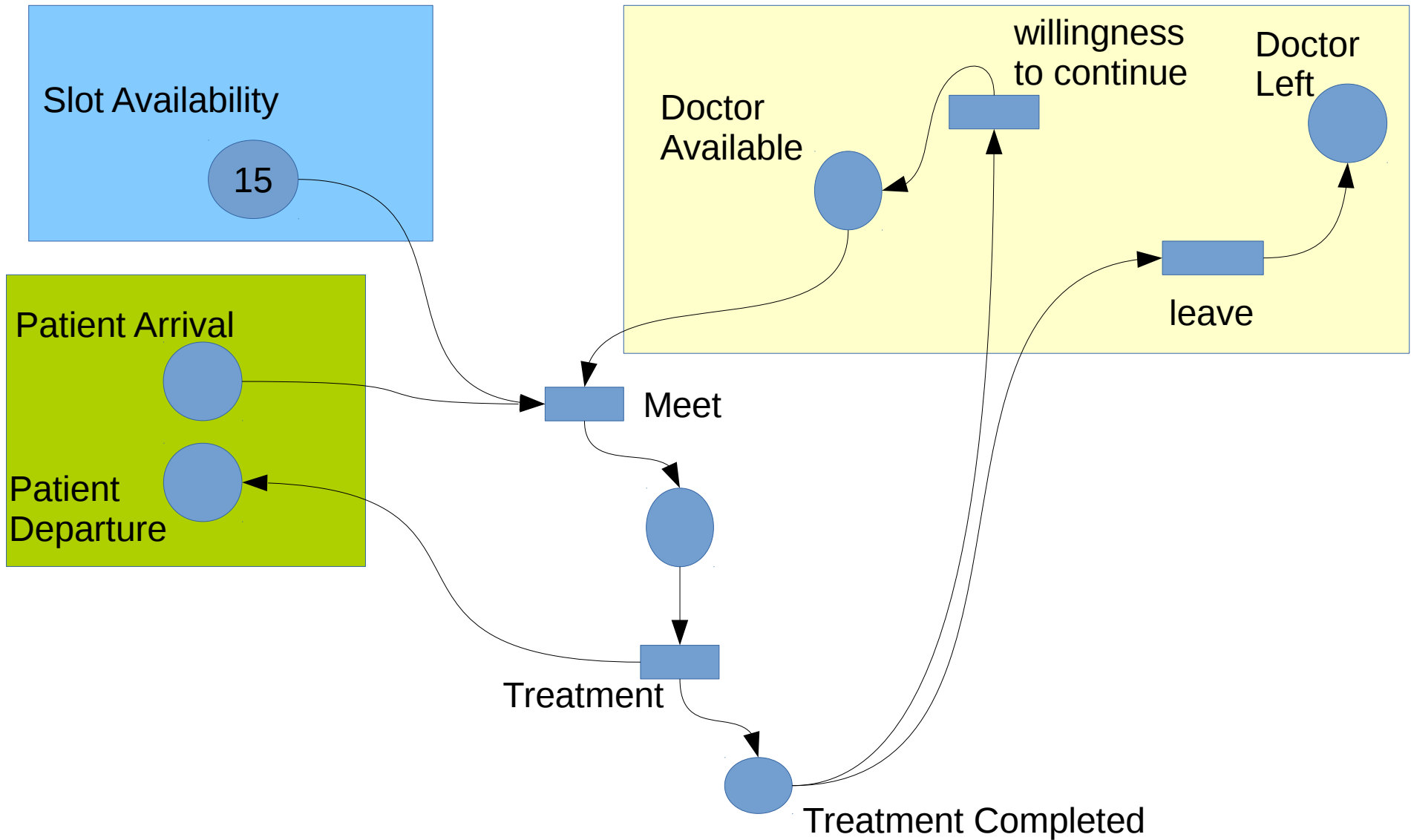


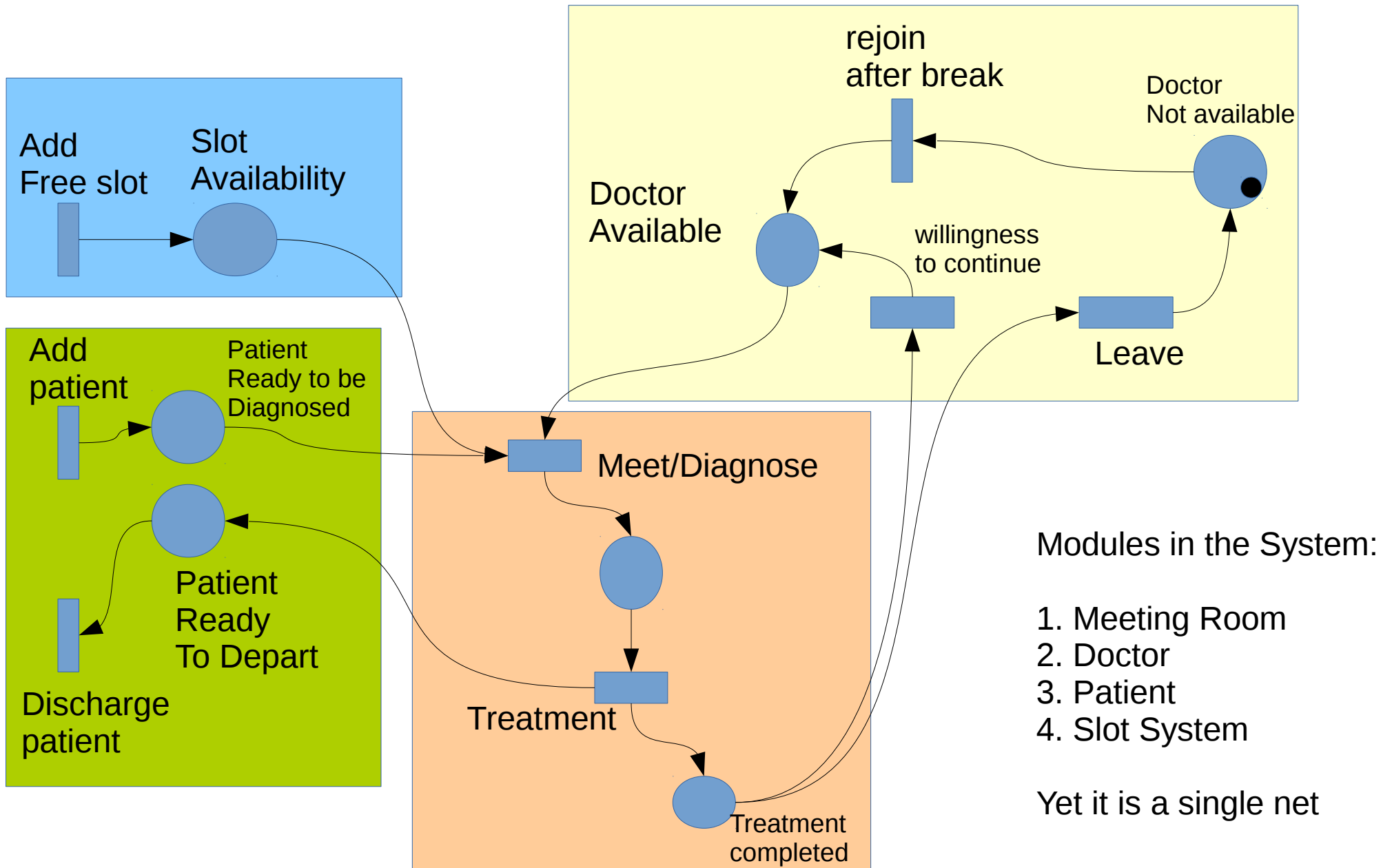
Petri nets: Extensions and Problems

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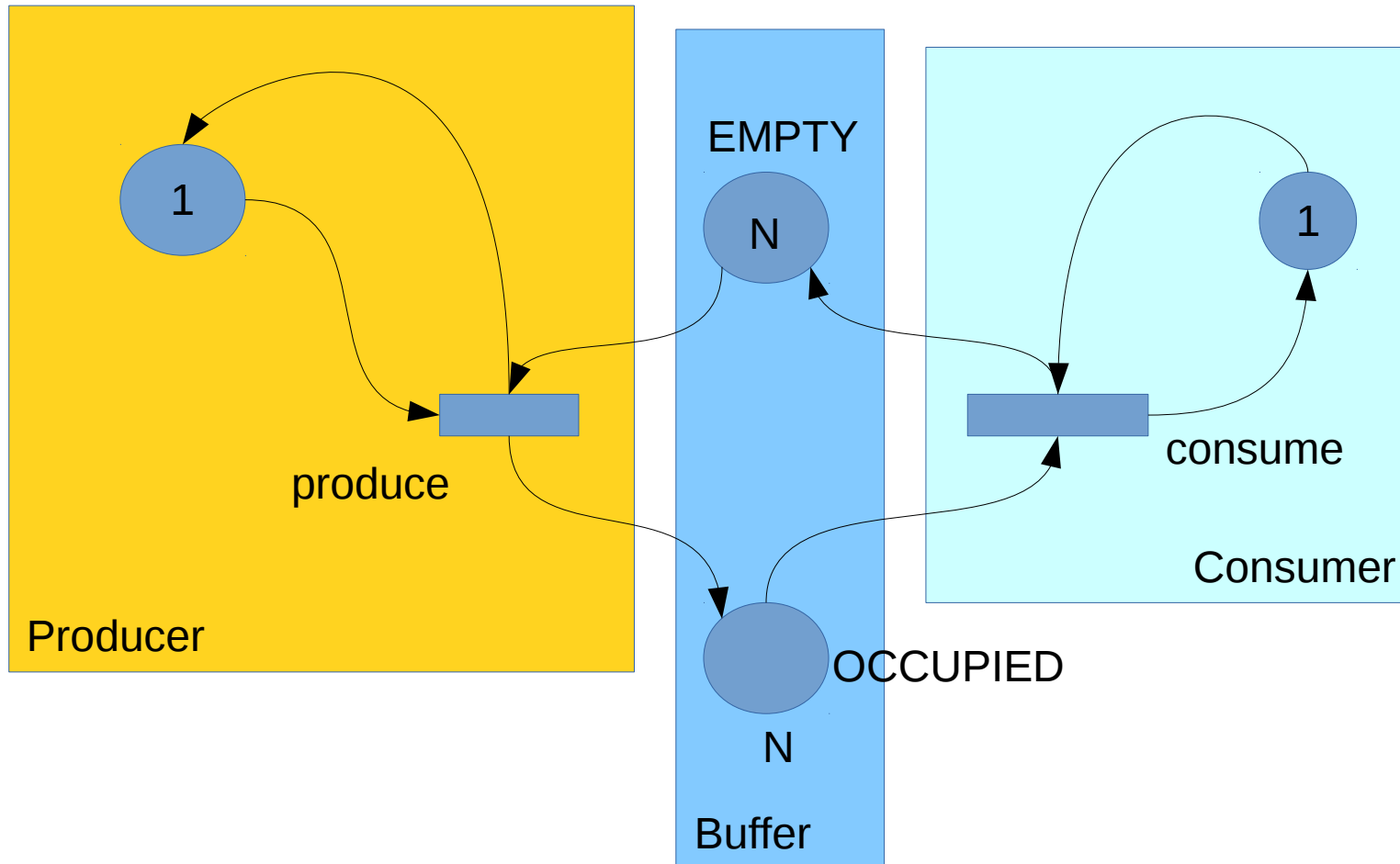
Doctors and Patients use Classical PN





Improved Model



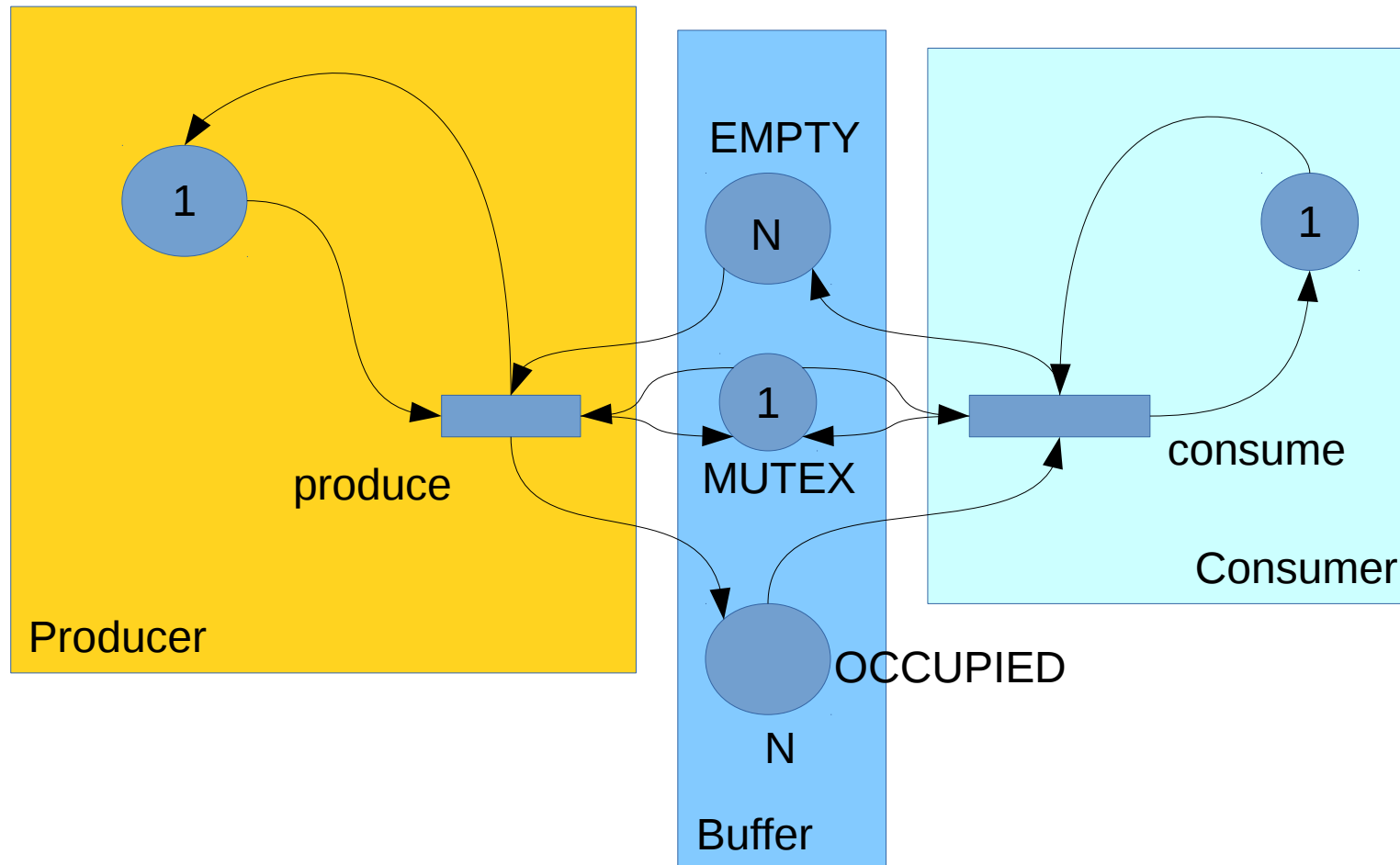
Producers and Consumers





 N Tokens available inside the place

 Place can accept at most N tokens

Producers and Consumers with MUTEX For the buffer

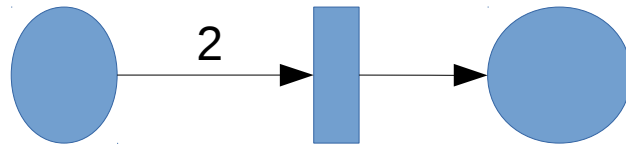


 N Tokens available inside the place

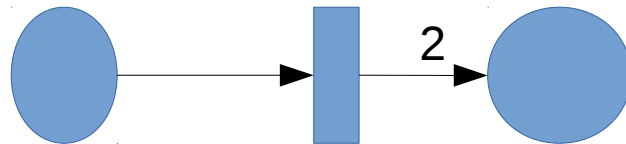
 Place can accept at most N tokens
N

Arcs with weights

Default arc weight is 1
Similarly default capacity is inf
But if the net is elementary, capacity
is 1, and arc weight is 1



2 tokens required to enable the transition



2 tokens are produced after firing the transition