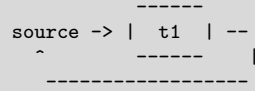


A marked graph.



$Places \triangleq \{\text{"source"}\}$  Define the net.

$Transitions \triangleq \{\text{"t1"}\}$

$Arcs \triangleq [$   
      $source \mapsto \{\text{"t1"}\},$

$t1 \mapsto \{\text{"source"}\}$

$]$

$ArcWeights \triangleq \langle \rangle$  Unspecified arc weights default to 1.

$InitialMarking \triangleq [source \mapsto 1]$

VARIABLE *Marking*

$PN \triangleq \text{INSTANCE } PetriNet$  Instantiate it within a namespace.

$Spec \triangleq PN!Spec$  Make *Spec* and *Invariants* available for the config file.

$Invariants \triangleq PN!Invariants$

Properties

$IsMarkedGraph \triangleq PN!IsMarkedGraph$

$FinalMarking \triangleq PN!FinalMarking([source \mapsto 1])$