

## Graficzny edytor sieci Petriego

### Tablica Tokenów:

Symbol leksykalny	Wartość	Uwagi
identifier	"[a-zA-Z][a-zA-Z0-9_]*"	identyfikator
float	"(0) ([1-9][0-9]*).([0-9]+)"	liczba zmiennoprzecinkowa
integer	"(0) ([1-9][0-9]*)"	liczba całkowita
end_tok	"end"	słowo kluczowe
places_tok	"places"	słowo kluczowe
transitions_tok	"transitions"	słowo kluczowe
arcs_tok	"arcs"	słowo kluczowe
settings_tok	"settings"	słowo kluczowe

### Opis Gramatyki:

Nonterminals blocks block petri\_net places\_block places place transitions\_block transitions transition arcs\_block arcs arc settings\_block.

Terminals end\_tok places\_tok transitions\_tok arcs\_tok settings\_tok float integer identifier.

Rootsymbol petri\_net.

Endsymbol '\$end'.

petri\_net -> blocks: '\$1'.

blocks -> block: ['\$1'].

blocks -> block blocks: ['\$1' | '\$2'].

block -> places\_block: '\$1'.

block -> transitions\_block: '\$1'.

block -> arcs\_block: '\$1'.

block -> settings\_block: '\$1'.

places\_block -> places\_tok places end\_tok places\_tok: {places, '\$2'}.

places\_block -> places\_tok end\_tok places\_tok.

places -> place: ['\$1'].

places -> place places: ['\$1' | '\$2'].

place -> identifier integer integer: {value\_of('\$1'),  
value\_of('\$2'), value\_of('\$3')}.

transitions\_block -> transitions\_tok transitions end\_tok

transitions\_tok: {transitions, '\$2'}.

transitions\_block -> transitions\_tok end\_tok transitions\_tok.

transitions -> transition: ['\$1'].

transitions -> transition transitions: ['\$1' | '\$2'].

transition -> identifier integer integer integer float:  
{value\_of('\$1'), value\_of('\$2'), value\_of('\$3'), value\_of('\$4'),  
value\_of('\$5')}.

arcs\_block -> arcs\_tok arcs end\_tok arcs\_tok: {arcs, '\$2'}.

arcs\_block -> arcs\_tok end\_tok arcs\_tok.

arcs -> arc: ['\$1'].

arcs -> arc arcs: ['\$1' | '\$2'].

arc -> identifier identifier identifier: {value\_of('\$1'),  
value\_of('\$2'), value\_of('\$3')}.

settings\_block -> settings\_tok end\_tok settings\_tok.

Erlang code.

value\_of(Token) ->

    element(3, Token).