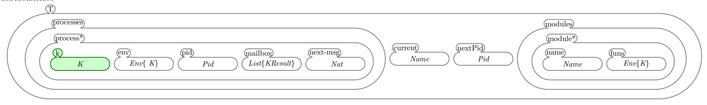
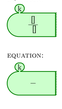
Module EUTEST
imports GENERIC-EXP-SEMANTICS
syntactic constructs:
Attr ::=
| *Attr Attr* [renameTo ↶]
| -export([*Fun*]).
| -import(*#Name* ,[*Fun*]).
Cases ::=
| *Cases* ; *Cases*
| *Pattern* -> *Exps*
Decl ::=
| *FunCases* .
| *Decl Decl* [renameTo ↶]
ETerm ::= *#Bool*|*#Int*| *#Name*|*#String*
| []
| [*ETerm* — *ETerm*] | [strict]
Exp ::= *Pattern*|*#Bool*| *#Int*|*#Name*
|
| self()
| *#Name* ()
| [*Exps*] [aux]
| *Exps* [strict]
| receive *Cases* end
| length(*Exp*) [strict]
| tuple-size(*Exp*) [strict]
| *Exp* ! *Exp* [strict]
| *Pattern* = *Exp* [strict(2)]
| *#Name* (*Exp*)
| [*Exp* — *Exp*] [strict]
| case *Exp* of *Cases* end [strict(1)]
| element(*Exp* , *Exp*) [strict]
| *#Name* : *#Name* (*Exp*) [strict(3)]
| setelement(*Exp* , *Exp* , *Exp*) [strict]
| spawn(*Exp* , *Exp* , *Exp*) [strict]
Exps ::= *Exp*|*Patterns*
| *Exps* ; *Exps* [strict(1)]
| *Exps* , *Exps* [aux]
| *Exps* , , *Exps* [strict]
Fun ::=
| *Fun* , *Fun*
| *#Name* // *#Int*
FunCases ::=
| *FunCases* ; *FunCases* [renameTo ↶]
| *#Name* ( )-> *Exps*
| *#Name* (*Pattern*)-> *Exps*
Mod ::=
| *Mod Mod* [renameTo ↶]
| -module(*#Name*). *Attr*
| -module(*#Name*). *Decl*
| -module(*#Name*). *Attr Decl*
Pattern ::= *ETerm*
| *Patterns*
| pid(*#Name*)
| [*Pattern* — *Pattern*] [strict]
Patterns ::= *Pattern*
| *Patterns* ; *Patterns*
| *Patterns* , *Patterns* [aux]
Prgm ::= *Mod*|*Stmt*
Stmt ::=
| *Exp* . [strict]
| *Stmt Stmt* [renameTo ↶]
| match(*Pattern* , *Exp*) [strict(2)]
semantic constructs:
Config ::=
| run(*Prgm*)
K ::=
| match-failure
| check-msg(*K*)
KResult ::=
| *List*[*KResult*] at *Nat*
List[*KResult*] ::=
| del *List*[*KResult*] at *Nat*
configuration:



K equations and rules:
equation:



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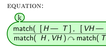

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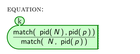
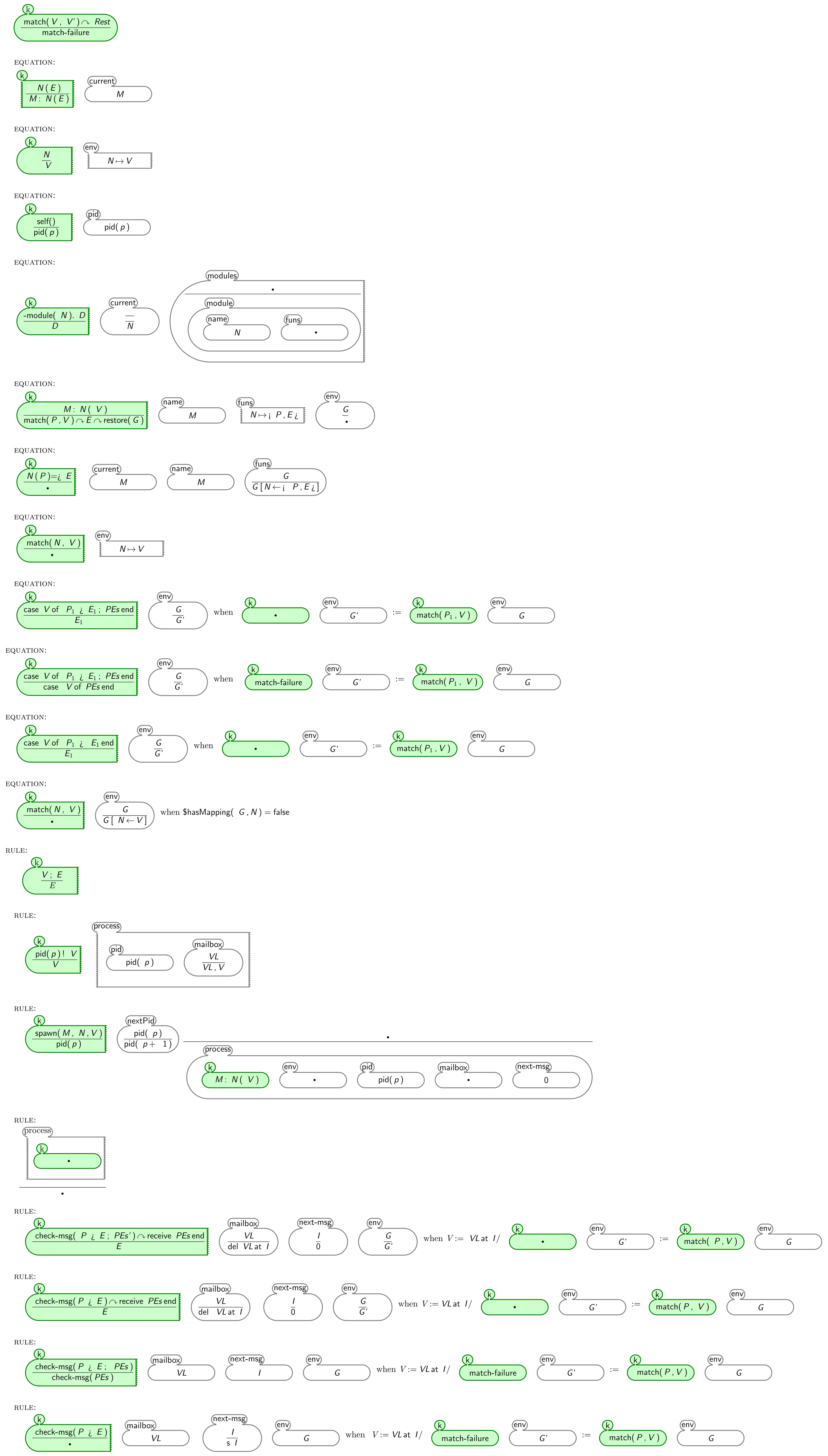
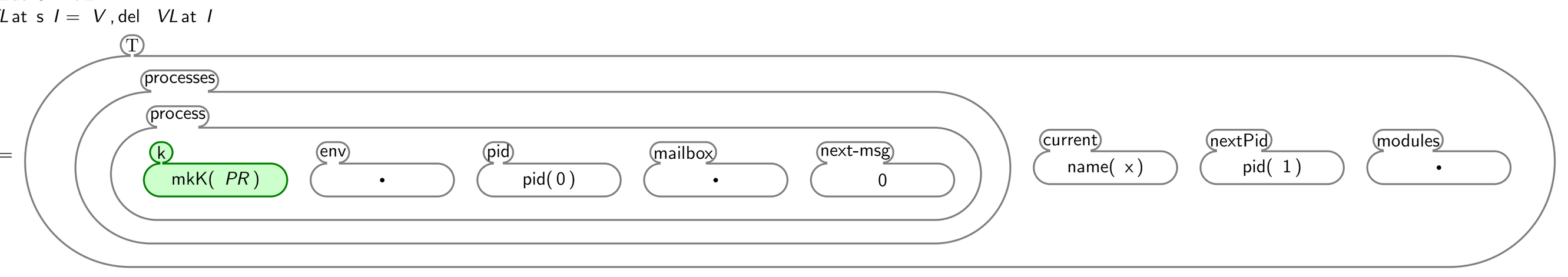


EQUATION:



EQUATION: $N() = N([\,])$
EQUATION: $N()=¿\ T = N([\,])=¿\ T$
EQUATION: $ES,\ ES' = ES;\ ES'$
EQUATION: $PS,\ PS' = PS;\ PS'$
EQUATION: $V, VL \text{ at } 0 = V$
EQUATION: $V, VL \text{ at } s\ I = VL \text{ at } I$
EQUATION: $[T] = [T — [\,]]$
EQUATION: $[T;\ T'] = [T — [T']]$
EQUATION: $ES;\ ES' = ES,,\ ES'$
EQUATION: $\text{del } \bullet \text{ at } I = \bullet$
EQUATION: $\text{del } V, VL \text{ at } 0 = VL$
EQUATION: $\text{del } V, VL \text{ at } s\ I = V, \text{del } VL \text{ at } I$
EQUATION: run(PR) =



END MODULE