

# IMP

MODULE IMP-SYNTAX

```
SYNTAX  AExp ::= Int
          | String
          | Id
          | ++ Id
          | read ()
          | AExp / AExp [strict( strict())]
          | AExp + AExp [strict( strict())]
          | (AExp) [bracket( bracket())]

SYNTAX  BExp ::= Bool
          | AExp ≤ AExp [seqstrict( seqstrict())]
          | ! BExp [strict( strict())]
          | BExp && BExp [strict( strict(1))]
          | (BExp) [bracket( bracket())]

SYNTAX  Block ::= {}
          | { Stmt }

SYNTAX  Stmt ::= Block
          | Id = AExp ; [strict( strict(2))]
          | if (BExp)Block else Block [strict( strict(1))]
          | while (BExp)Block
          | int Ids ;
          | print (AExps) ; [strict( strict())]
          | halt ;
          | spawn Stmt
          | Stmt Stmt

SYNTAX  Ids ::= List{Id,“, ”}

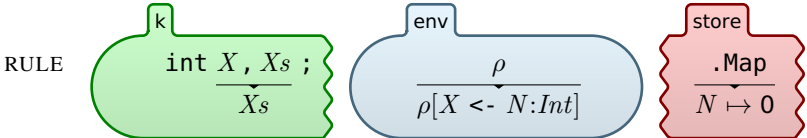
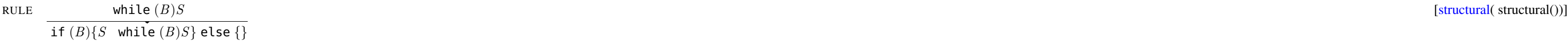
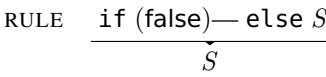
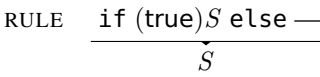
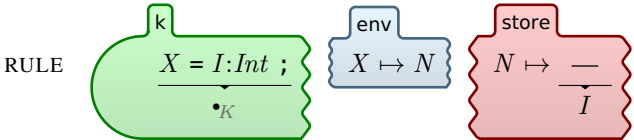
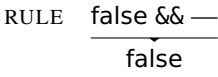
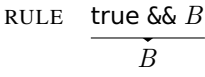
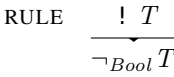
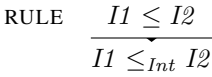
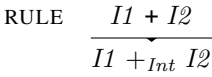
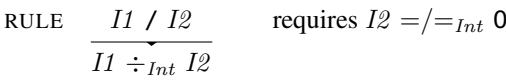
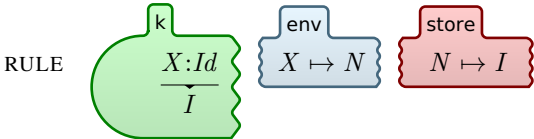
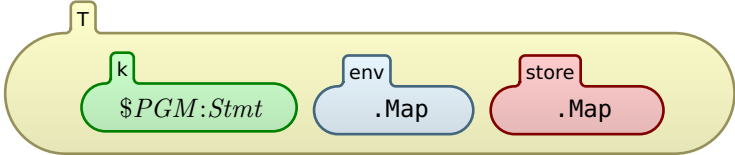
SYNTAX  AExps ::= List{AExp,“, ”} [seqstrict( seqstrict())]
```

END MODULE

MODULE IMP

```
SYNTAX  KResult ::= Int
          | Bool
```

CONFIGURATION:



END MODULE