

IMP

MODULE IMP-SYNTAX

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

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

SYNTAX  Block ::= {}
          | { Stmt }

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

SYNTAX  Ids ::= List{Id, “,”} [strict]

SYNTAX  AExps ::= List{AExp, “,”} [strict]
```

END MODULE

MODULE IMP

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

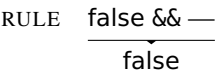
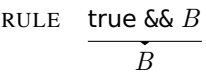
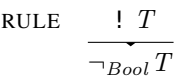
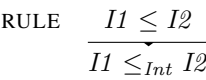
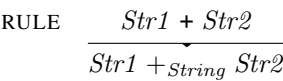
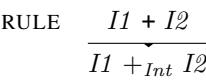
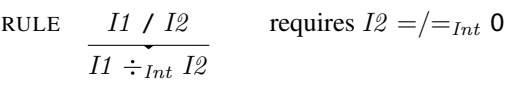
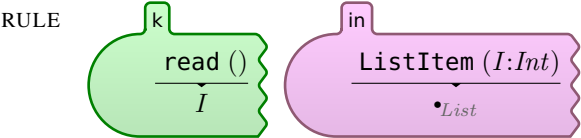
CONFIGURATION:



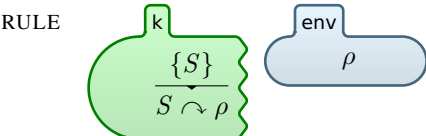
[lookup]



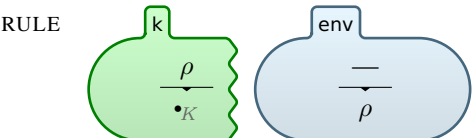
[increment]



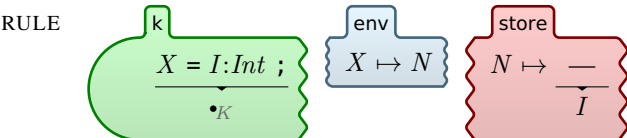
[structural]



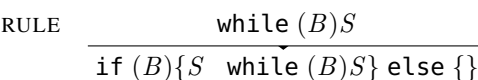
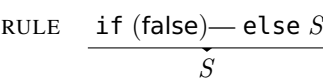
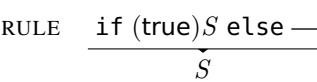
[structural]



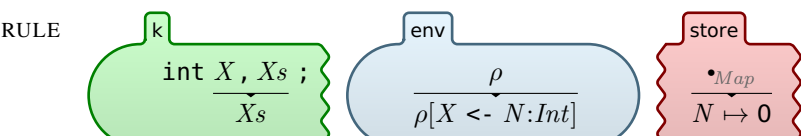
[structural]



[structural]



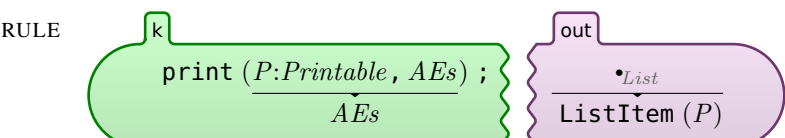
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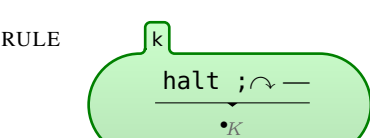
[structural]

```
SYNTAX  Printable ::= Int
          | String
```

```
SYNTAX  AExp ::= Printable
```



[structural]



END MODULE