

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]
```

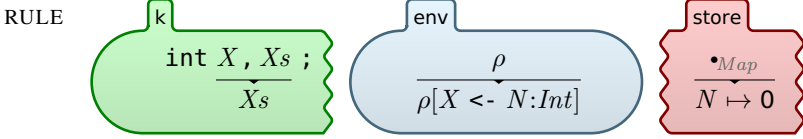
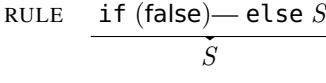
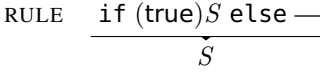
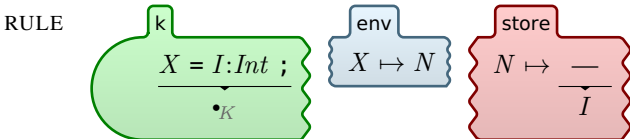
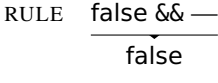
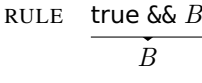
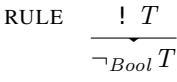
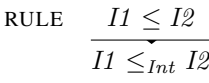
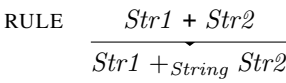
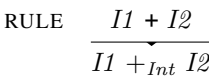
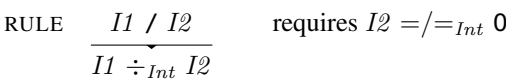
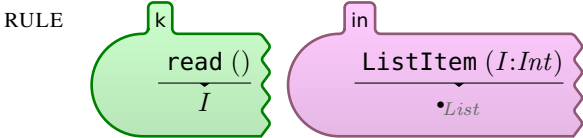
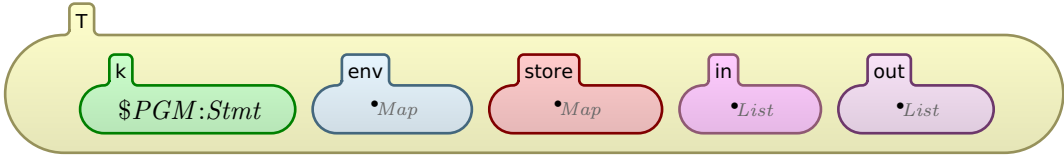
```
SYNTAX  AExps ::= List{ AExp, “, ” } [strict]
```

END MODULE

MODULE IMP

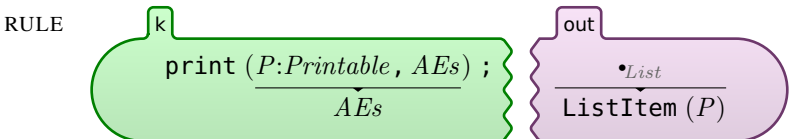
```
SYNTAX  KResult ::= Int
          | Bool
          | String
```

CONFIGURATION:



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

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



END MODULE