

# IMP

MODULE IMP-SYNTAX

SYNTAX

$AExp ::= Int$ 

|

$Id$

|

$AExp / AExp$  [strict]

|

$AExp + AExp$  [strict]

|

$(AExp)$  [bracket]

SYNTAX

$BExp ::= Bool$ 

|

$AExp \leq AExp$  [seqstrict]

|

$! BExp$  [strict]

|

$BExp \&\& BExp$  [strict(1)]

|

$(BExp)$  [bracket]

SYNTAX

$Block ::= \{\}$ 

|

$\{Stmt\}$

SYNTAX

$Stmt ::= Block$ 

|

$Id = AExp ;$  [strict(2)]

|

$\text{if } (BExp)Block \text{ else } Block$  [strict(1)]

|

$\text{while } (BExp)Block$

|

$Stmt \ Stmt$

SYNTAX

$Pgm ::= \text{int } Ids ; Stmt$

SYNTAX

$Ids ::= List\{Id, \text{“}, \text{”}\}$

END MODULE

MODULE IMP

SYNTAX

$KResult ::= Int$ 

|

$Bool$

CONFIGURATION:

