## VISITOR\*

deferred class VISITOR

feature -- operations

-- visit features of all descendants of expression visit\_constant (c: INTEGER\_CONSTANT) deferred end

visit addition (a: ADDITION) deferred end

visit subtraction (a: SUBTRACTION) deferred end

visit multiplication (m: MULTIPLICATION) deferred end

visit quotient (q: QUOTIENT) deferred end

visit modulo (mod: MODULO) deferred end

visit boolean (b : BOOLEAN CONSTANT) deferred end

visit negation(n:NEGATION) deferred end visit negative(n:NEGATIVE) deferred end visit\_greater\_than(n:GREATER\_THAN)deferred end visit less than(n:LESS THAN)deferred end visit\_equivalent(e:EQUIVALENT)deferred end visit\_conjunction(c:CONJUNCTION)deferred end visit\_disjunction(c:DISJUNCTION)deferred end

## GENERATE JAVA CODE+

class

EXPRESSION

GENERATE JAVA

accept

inherit

VISITOR

create make

feature

visit\_constant (c : INTEGER\_CONSTANT) visit boolean(b:BOOLEAN CONSTANT)

visit\_addition ( a : ADDITION)

visit subtraction (s : SUBTRACTION)

visit\_multiplication ( m : MULTIPLICATION)

visit\_quotient (q: QUOTIENT) visit\_modulo ( mod : MODULO)

visit negation (n:NEGATION)

visit negative (n:NEGATIVE)

visit greater than (g:GREATER THAN)

visit\_less\_than (g:LESS\_THAN)

visit equivalent (g:EQUIVALENT)

visit\_conjunction (g:CONJUNCTION)

visit disjunction (g:DISJUNCTION)

## TYPE CHECK+

class

TYPE\_CHECKER

inherit

VISITOR

create

make

feature

visit\_constant (c : INTEGER\_CONSTANT)

visit boolean(b:BOOLEAN CONSTANT)

visit\_addition ( a : ADDITION)

visit subtraction (s : SUBTRACTION)

visit\_multiplication ( m : MULTIPLICATION)

visit quotient (q: QUOTIENT)

visit\_modulo ( mod : MODULO)

visit negation (n:NEGATION)

visit\_negative (n:NEGATIVE)

visit greater than (g:GREATER THAN)

visit\_less\_than (g:LESS\_THAN)

visit equivalent (g:EQUIVALENT)

visit\_conjunction (g:CONJUNCTION)

visit disjunction (g:DISJUNCTION)