analyzer

builder

ETF_MODEL_ACCESS+

create
    default_create

feature
    m: **ETF_MODEL**
        once
            create Result.make
        end
invariant
    m= m

ETF_MODEL+

create {ETF_MODEL_ACCESS}
    make

feature -- model operations
    default_update
    -- Perform update to the model state.

    reset
    -- Reset model state.

    update (cmd: **ETF_COMMAND**)
    -- Runs command and updates model

    update_exp (cmd: **D_EXPRESSION**)
    -- update model by adding expression

feature -- queries
    out: **STRING_8**
    -- outputs the model state and error message if any

C_BUILDER+

create
    make
feature -- Implementation
    insert (e: D_EXPRESSION)
    -- attempt to insert an expression
feature -- Queries
    get_error_msg: STRING_8
    -- get error message if has one
    has_error: BOOLEAN
    -- did the builder get an error on last insert
    out: STRING_8
    -- gives state of last insert

m

builder

visitor

D_VISITOR*

feature {D_EXPRESSION} -- Implementation
    c_and (h: C_AND) **deferred end**
     -- Visit an and operator
    c_boolean_constant (h: C_BOOLEAN_CONSTANT) **deferred end**
    -- Visit a boolean constant expression
    c_difference (h: C_DIFFERENCE) **deferred end**
    -- Visit a diffrence operator
    c_divides (h: C_DIVIDES) **deferred end**
    -- Visit a divides operator
    c_dummy (h: C_DUMMY) **deferred end**
    -- Visit a dummy operator
    c_equal (h: C_EQUAL) **deferred end**
    -- Visit an equal operator
    c_exists (h: C_EXISTS) **deferred end**
    -- Visit an exists operator
    c_for_all (h: C_FOR_ALL) **deferred end**
    -- Visit a for all operator
    c_gt (h: C_GT) **deferred end**
    -- Visit a greater than operator
    c_implies (h: C_IMPLIES) **deferred end**
    -- Visit an implies operator
    c_integer_constant (h: C_INTEGER_CONSTANT) **deferred end**
    -- Visit an integer constant operator
    c_intersect (h: C_INTERSECT) **deferred end**
    -- Visit an intersect operator
    c_lt (h: C_LT) **deferred end**
    -- Visit a less than operator
    c_minus (h: C_MINUS) **deferred end**
    -- Visit a minus operator
    c_negation (h: C_NEGATION) **deferred end**
    -- Visit a negation operator
    c_negative (h: C_NEGATIVE) **deferred end**
    -- Visit a negative operator
    c_or (h: C_OR) **deferred end**
    -- Visit an or operator
    c_plus (h: C_PLUS) **deferred end**
    -- Visit a plus operator
    c_set (h: C_SET) **deferred end**
    -- Visit a set expression
    c_start (h: C_START) **deferred end**
    -- Visit a start expression
    c_sum (h: C_SUM) **deferred end**
    -- Visit a sum operator
    c_times (h: C_TIMES) **deferred end**
    -- Visit a times operator
    c_union (h: C_UNION) **deferred end**
    -- Visit an union operator

pp

C_PRETTY_PRINTING+

create
    make
feature --Queries
    get_str: STRING_8
    -- gets last pretty printed instance
    pretty_print: STRING_8
    -- get pretty printing of expression

ev

tp

C_EVALUATE+

create
    make
feature --Constructor
    make (s: C_START)
feature --Queries
    get_error: STRING_8
    --Returns the error string.
    has_error: BOOLEAN
    --Return false if type-correct, true
otherwise.
    out: STRING_8
    --Return message generated after type-
check.
    evaluate
    --Runs evaluate from start given by make

C_TYPE_CHECK+

create
    make
feature --Constructor
    make (s: C_START)
feature --Queries
    error_string: STRING_8
    --Returns the error string.
    has_error: BOOLEAN
    --Return false if type-correct, true
otherwise.
    out: STRING_8
    --Return message generated after type-
check.
    typec
    --Runs typecheck from start given by make