

# FIND\_TRUE

## FIND\_TRUE action

### Function

The action is searching for a value of a local variable, for which the given expression gets the value @TRUE.

### Declaration

```
FIND_TRUE _index, maxIndex, _retCode, find expression
```

### Parameters

|                 |        |                                                                                 |
|-----------------|--------|---------------------------------------------------------------------------------|
| _index          | in/out | Identifier (local variable) of Int type. Control variable for expression.       |
| maxIndex        | in     | Identifier (local variable) of Int type. Maximal value of the control variable. |
| _retCode        | out    | Identifier of Int type - return code.                                           |
| find expression | in     | Expression of BOOL type.                                                        |

### Description

The action progressively increases a value of the local control value *\_index* by +1. It evaluates the expression *find expression* before each increasing of the value. If the expression gets the value @TRUE, the action is to be terminated and the control value *\_index* contains the given value. If the expression is not to be evaluated successfully (invalid values, ...), the variable *\_retCode* will contain the error type, otherwise \_ERR\_NO\_ERROR. If the expression *find expression* does not get the value @TRUE within all permitted range, the value of the variable *\_index* will be *maxIndex+1* after the action termination.

It is necessary, to make the expression *find expression* dependent on a value of the control value. If not, the action generates the error \_ERR\_LOCAL\_VAR\_NFOUND.

As can be seen in the example, the action can be advantageously used when searching structures.

### Example

```
RECORD (SD.RecordDef) _struct
  INT _index
  INT _maxIndex
  INT _retCode

....

; search for a row containing the text "hello" in the column Text
_index := 1 ; search from the first row
_maxIndex := _struct\DIM

FIND_TRUE _index, _maxIndex, _retCode, _struct[_index]^Text="hello"
IF _retCode # _ERR_NO_ERROR THEN

  ; the error retCode occurred in row index

ELSIF _index = _maxIndex+1 THEN

  ; required row not found

ELSE

  ; the row_index contains the text "hello" in the column Text

ENDIF
```



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