

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* will 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 you can see in the example, the action may be taken advantage for 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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