

IF SELECTION

Structured Mode Syntax

```

IF SELECTION [NOT UNIQUE [IN [FIELDS]]] operand1 ...
  [THEN] statement...
  [ELSE statement... ]
END-IF

```

Reporting Mode Syntax

```

IF SELECTION [NOT UNIQUE [IN [FIELDS]]] operand1...
  [THEN]      { statement }
               DO statement... DOEND
  [ ELSE      { statement } ]
               DO statement... DOEND

```

This chapter covers the following topics:

- Function
- Syntax Description
- Example

For an explanation of the symbols used in the syntax diagram, see *Syntax Symbols*.

Related Statements: DECIDE FOR | DECIDE ON | IF

Belongs to Function Group: *Processing of Logical Conditions*

Function

The **IF SELECTION** statement is used to verify that in a sequence of alphanumeric fields one and only one contains a value.

Syntax Description

Operand Definition Table:

Operand	Possible Structure			Possible Formats										Referencing Permitted	Dynamic Definition				
<i>operand1</i>	S	A		A	U													yes	no

Syntax Element Description:

<i>operand1</i>	<p>Selection Field:</p> <p>As <i>operand1</i> you specify the fields which are to be checked.</p> <p>If you specify an attribute control variable (Format C), it is considered to contain a value if its status has been changed to MODIFIED.</p> <p>Note:</p> <p>To check if a specific attribute control variable has been assigned the status MODIFIED, use the MODIFIED option of, for example, an IF statement. This enables you to check that exactly one field was <i>modified</i>.</p>
THEN statement	<p>Statement(s) to be Executed:</p> <p>The statement(s) specified in the THEN clause will be executed if one of the following conditions is true:</p> <ul style="list-style-type: none"> • None of the fields specified in <i>operand1</i> contains a value. • More than one of the fields specified in <i>operand1</i> contains a value. <p>This statement is generally used to verify that a terminal user has entered only one function in response to a map displayed via an INPUT statement.</p> <p>Note:</p> <p>If <i>no</i> action is to be performed if one of the conditions is met, you specify the statement IGNORE in the THEN clause.</p>
ELSE statement	<p>In the ELSE clause, you specify the statement(s) to be executed if exactly one field contains a value.</p>
END-IF	<p>The Natural reserved word END-IF must be used to end the IF SELECTION statement.</p>

Example

```

** Example 'IFSEL': IF SELECTION
*****
DEFINE DATA LOCAL
1 #A (A1)
1 #B (A1)
END-DEFINE
*
INPUT 'Select one function:' //
    9X 'Function A:' #A
    9X 'Function B:' #B
*
IF SELECTION NOT UNIQUE #A #B
    
```

```
      REINPUT 'Please enter one function only.'
END-IF
*
IF #A NE ' '
    WRITE 'Function A selected.'
END-IF
IF #B NE ' '
    WRITE 'Function B selected.'
END-IF
*
END
```

Output of Program IFSEL:

Select one function:

Function A: Function B:

After selecting and confirming function A:

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Function A selected.