

# DECIDE FOR

```
DECIDE FOR { FIRST } CONDITION
           { EVERY }
           { WHEN logical-condition statement ... } ...
           [ WHEN ANY statement ... ]
           [ WHEN ALL statement ... ]
           WHEN NONE statement ...
END-DECIDE
```

This chapter covers the following topics:

- Function
- Syntax Description
- Examples

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

Related Statements: DECIDE ON | IF | IF SELECTION | ON ERROR

Belongs to Function Group: *Processing of Logical Conditions*

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## Function

The DECIDE FOR statement is used to decide for one or more actions depending on multiple conditions (cases).

### Note:

If *no* action is to be performed under a certain condition, you must specify the statement IGNORE in the corresponding clause of the DECIDE FOR statement.

## Syntax Description

Syntax Element	Description
FIRST CONDITION	<p><b>Processing of First Condition Only:</b></p> <p>Only the first true condition is to be processed.</p> <p>See also <i>Example 1</i>.</p>
EVERY CONDITION	<p><b>Processing of Every Condition:</b></p> <p>Every true condition is to be processed.</p> <p>See also <i>Example 2</i>.</p>
WHEN <i>logical-condition statement</i>	<p><b>Logical Condition(s) to be Processed:</b></p> <p>With this clause, you specify the logical condition(s) to be processed.</p> <p>See the section <i>Logical Condition Criteria</i> in the <i>Programming Guide</i>.</p>
WHEN ANY <i>statement</i>	<p><b>WHEN ANY Clause:</b></p> <p>With WHEN ANY, you can specify the statement(s) to be executed when any of the logical conditions are true.</p>
WHEN ALL <i>statement</i>	<p><b>WHEN ALL Clause:</b></p> <p>With WHEN ALL, you can specify the statement (s) to be executed when all logical conditions are true.</p> <p>This clause is applicable only if EVERY has been specified.</p>
WHEN NONE <i>statement</i>	<p><b>WHEN NONE Clause:</b></p> <p>With WHEN NONE, you specify the statement(s) to be executed when none of the logical conditions are true.</p>
END-DECIDE	<p><b>End of DECIDE FOR Statement:</b></p> <p>The Natural reserved word END-DECIDE must be used to end the DECIDE FOR statement.</p>

## Examples

- Example 1 - DECIDE FOR with FIRST Option
- Example 2 - DECIDE FOR with EVERY Option

### Example 1 - DECIDE FOR with FIRST Option

```

** Example 'DECEX1': DECIDE FOR (with FIRST option)
*****
DEFINE DATA LOCAL
1 #FUNCTION (A1)
1 #PARM      (A1)
    
```

```

END-DEFINE
*
INPUT #FUNCTION #PARM
*
DECIDE FOR FIRST CONDITION
  WHEN #FUNCTION = 'A' AND #PARM = 'X'
    WRITE 'Function A with parameter X selected.'
  WHEN #FUNCTION = 'B' AND #PARM = 'X'
    WRITE 'Function B with parameter X selected.'
  WHEN #FUNCTION = 'C' THRU 'D'
    WRITE 'Function C or D selected.'
  WHEN NONE
    REINPUT 'Please enter a valid function.'
    MARK *#FUNCTION
END-DECIDE
*
END

```

### Output of Program DECEX1:

```
#FUNCTION A #PARM Y
```

### After pressing ENTER:

```
PLEASE ENTER A VALID FUNCTION
#FUNCTION A #PARM Y
```

## Example 2 - DECIDE FOR with EVERY Option

```

** Example 'DECEX2': DECIDE FOR (with EVERY option)
*****
DEFINE DATA LOCAL
1 #FIELD1 (N5.4)
END-DEFINE
*
INPUT #FIELD1
*
DECIDE FOR EVERY CONDITION
  WHEN #FIELD1 >= 0
    WRITE '#FIELD1 is positive or zero.'
  WHEN #FIELD1 <= 0
    WRITE '#FIELD1 is negative or zero.'
  WHEN FRAC(#FIELD1) = 0
    WRITE '#FIELD1 has no decimal digits.'
  WHEN ANY
    WRITE 'Any of the above conditions is true.'
  WHEN ALL
    WRITE '#FIELD1 is zero.'
  WHEN NONE
    IGNORE
END-DECIDE
*
END

```

### Output of Program DECEX2:

```
#FIELD1 42
```

**After pressing ENTER:**

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#FIELD1 is positive or zero.  
#FIELD1 has no decimal digits.  
Any of the above conditions is true.