

Branching

@SWITCH

Specify an alternate execution path which depends on the value of an integer.

Keyword:

@SWITCH

Usage:

The value of an integer variable or expression is compared to a list of case/path pairs. If the switch value matches one of the cases, then the corresponding path is executed. Otherwise, the current mode is executed. Use the "RETURN" macro to return to a calling procedure.

Data Fields:

switch_value	the label of an integer variable or a computed expression
case	an integer value - if a match of the "switch value" is found in this list, then the corresponding execution path is used
path	a mode number, procedure filename, or RETURN

Example Specification:

```
@SWITCH
    #switch value
    count
    #case          path
    1              91
    2              92
    3              /specs/gp/gp_test3
    4              RETURN
```

If the value of count is 1, then go to mode 91. If the value of count is 2, then go to mode 92. If the value of count is 3, then jump to procedure gp_test3. If the value of count is 4, then return to the calling procedure. If the value of count is any value other than 1, 2, 3, or 4, then execute the current mode.

Notes:

The @SWITCH keyword is used to control the execution path of a test procedure when there are several paths that can be taken, depending on the value of some variable. The variable might be something like an error code read back from a Pierburg meter, or the value of a counter which is keeping track of something.

Other Examples:

```
@SWITCH
    #switch value
    "error_code / 10[none]"
    #case          path
    1              /specs/gp/gp_errA
    2              /specs/gp/gp_errB
    3              /specs/gp/gp_errC
```

