

Branching & Looping

@LOOP_CONTROL

Specify a repetitive looping operation.

Keyword:

@LOOP_CONTROL

Usage:

This specification is used to create loops of execution. It is placed in the last test mode of the loop. There may be multiple loops in a procedure file and they may be nested. The loop counter variable is optional. The loop count is zeroed when a test procedure is started. The num_repeats field may be a constant, variable, or expression.

Data Fields:

num_repeats	the number of times the loop is to be repeated before proceeding to the next_mode specified in @MODE_CONTROL
next_loop_mode	the first test mode of the loop
loop_counter	a variable which can be used to display or log the current loop count

Example Specification:

```
@LOOP_CONTROL
    #num_repeats    next_loop_mode    loop_counter
    10              97                loop1
```

This is the last mode of a loop beginning at mode 97. The loop will be executed 10 times. The current loop count will be placed in the variable loop1.

Notes:

If a loop_counter variable is specified, it must already exist. It is usually created in the gen_labels.NNN specification file.

Other Examples:

```
@LOOP_CONTROL
    #num_repeats    next_loop_mode    loop_counter
    5                2                
```

Loop back to mode 2, 5 times before proceeding to the next mode.

```
@LOOP_CONTROL
    #num_repeats    next_loop_mode    loop_counter
    cyc_cnt         97                lp3
```

Loop back to mode 97, a number of times determined by the value of the variable cyc_cnt before proceeding to the next mode.