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(SETQ BROWSERW (IL:CREATEW '(100 100 325 90) NIL NIL T))

(IL:PAGEHEIGHT 0)
; This part of test determines if the variables BROWSERFORMAT and BROWSERBOXING
; are bound.
(PASS-FAIL "Browser variables bound" (AND (BOUNDP 'IL:BROWSERFORMAT) (BOUNDP 'IL:BROWSERBOXING)))

; Reinitialize and Define functions to be analyzed....
(IL:MASTERSCOPE '(ERASE))
(DEFUN TOP-GFUNTION NIL (AND (GFUN-A) (GFUN-B)))
(DEFUN GFUN-A NIL (OR (GFUN-A1) (GFUN-A2) (GFUN-A3)))
(DEFUN GFUN-B NIL (OR (GFUN-B1) (GFUN-B2) (GFUN-B3)))
(DEFUN GFUN-A1 NIL T)
(DEFUN GFUN-A2 NIL NIL)
(DEFUN GFUN-A3 NIL T)
(DEFUN GFUN-B1 NIL (AND (GFUN-C1) (GFUN-A1)))
(DEFUN GFUN-B2 NIL NIL)
(DEFUN GFUN-B3 NIL T)
(DEFUN GFUN-C1 NIL NIL)

; Start analyzing functions in gtop-function and others...
(IL:MASTERSCOPE '(ANALYZE TOP-GFUNTION))
(IL:MASTERSCOPE '(ANALYZE GFUN-A))
(IL:MASTERSCOPE '(ANALYZE GFUN-B))
(IL:MASTERSCOPE '(ANALYZE GFUN-A1))
(IL:MASTERSCOPE '(ANALYZE GFUN-A2))
(IL:MASTERSCOPE '(ANALYZE GFUN-A3))
(IL:MASTERSCOPE '(ANALYZE GFUN-B1))
(IL:MASTERSCOPE '(ANALYZE GFUN-B2))
(IL:MASTERSCOPE '(ANALYZE GFUN-B3))
(IL:MASTERSCOPE '(ANALYZE GFUN-C1))

; Browser is now loaded and activated
; Part 1 of this test is to determine if masterscope is unaffected when
; the BROWSER is not enabled or (IL:BROWSER NIL)
(IL:BROWSER NIL)

; Browser is now deactivated ...
; This will cause masterscope to display graphs in a teletype mode
; or in the exec.
; show paths should display the following path, which should look like;
; 1.gfun-a1 gfun-a top-gfuntion
; 2.      gfun-b1 gfun-b top-gfuntion
(DRIBBLE '{CORE}PATHS)
(IL:MASTERSCOPE '(SHOW PATHS TO GFUN-A1 FROM TOP-GFUNTION))
(DRIBBLE)
; analyzing the file that contains the masterscope interaction (show paths)
(SETQ PATHS (OPEN "{CORE}PATHS"))

(LET (NEXT-LINE)
  (IL:WHILE (AND (NOT (EQ 'EOF
                        (SETQ NEXT-LINE (READ-LINE PATHS NIL 'EOF))))
                (NOT (SEARCH "top-gfuntion" NEXT-LINE :TEST #'STRING-EQUAL))))
    (PASS-FAIL "Show paths (would-be graph)"
              (AND
                (STRING-EQUAL "1.GFUN-A1GFUN-ATOP-GFUNTION" (DELETE #\Space NEXT-LINE))
                (STRING-EQUAL "2.GFUN-B1GFUN-BTOP-GFUNTION" (DELETE #\Space (READ-LINE
                                                                              PATHS NIL NIL))))
              ))
  ) ; close let

(CLOSE PATHS)
(DELETE-FILE '{CORE}PATHS)

TEST-SUCCEEDED

)

STOP

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