

File created: 21-Aug-85 16:44:54 {DSK}<LISPFILERS>TESTER>SOURCES>TESTERVAR.S;10

changes to: (VARS TEST.CONCEPT-WINDOW-MENU-ITEMS TESTERVARSCOMS TEST.DEFAULT-TRACE-MODE
TEST.DEFAULT-PRETEST-MODE TEST.DEFAULT-HARDCOPY-MODE TEST.DEFAULT-LOCATION
TEST.MAX-TESTS-BUFFER-SIZE)

previous date: 20-Aug-85 12:37:12 {DSK}<LISPFILERS>TESTER>SOURCES>TESTERVAR.S;6

Read Table: OLD-INTERLISP-FILE

Package: INTERLISP

Format: XCCS

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(RPAQQ TESTERVARSCOMS

```
((RECORDS CONCEPT CONCEPTSPACE TEST)
 (VARS TEST.AVERAGE-TEST-SIZE TEST.BACKGROUND-MENU-SUBITEMS TEST.CONCEPT-SPACES
  TEST.CONCEPT-WINDOW-MENU-ITEMS TEST.DEFAULT-DEPTH TEST.DEFAULT-HARDCOPY-DEVICE
  TEST.DEFAULT-HARDCOPY-MODE TEST.DEFAULT-LOCATION TEST.DEFAULT-PRETEST-MODE TEST.DEFAULT-TRACE-MODE
  TEST.DEFAULT-EVALAFTER TEST.DEFAULT-EVALBEFORE TEST.DEFAULT-EVALEXPR TEST.DEFAULT-INPUT
  TEST.DEFAULT-PRETESTS TEST.DEFAULT-SUCCESSPREDICATE TEST.DEFAULT-TESTCOMMENT TEST.DEFAULT-TESTID
  TEST.DEFAULT-TIMEOUT TEST.DEFAULT-TIMES TEST.EVAL-SERVER-HOST (
    TEST.GLOBAL-RESULT-OF-TIMED-EVALUATION
    NIL)
  (TEST.LIST-OF-MODIFIED-TESTS NIL)
  (TEST.LIST-OF-TESTS NIL)
  TEST.MAX-TESTS-BUFFER-SIZE TEST.MIN-TESTS-BUFFER-SIZE (TEST.NEWPAGE-BEFORE-HARDCOPY-TEST NIL)
  (TEST.TESTS-BUFFER-SIZE (TEST.SET-TESTS-BUFFER-SIZE)))
 (INITVARS (TEST.DEFAULT-CONCEPT-SPACE-NAME (QUOTE INTERLISP-D-SYSTEM))
  (TEST.DEFAULT-LOCATION (QUOTE On))
  (TEST.DISPLAY-THERMOMETERS T)
  (TEST.OBTAIN-LOCK-WHEN-EDIT T)
  (TEST.TEST-DATA-BASE-DIRECTORY (QUOTE {ERIS}<TEST>TESTS))
  (TEST.TRACE-FILE-NAME (QUOTE {DSK}<LISPFILERS>TESTER>TRACES>TRACE-FILE)))
 (CONSTANTS (TEST.NAME-OF-FILE-HOLDING-NEXT-TESTID (QUOTE {ERIS}<TEST>TOOLS>NEXTID))
  (TEST.NAME-OF-LOCK-FILE (QUOTE {ERIS}<TEST>TOOLS>LOCK-FILE)))
 (GLOBALVARS TEST.AVERAGE-TEST-SIZE TEST.BACKGROUND-MENU-SUBITEMS TEST.CONCEPT-SPACES
  TEST.CONCEPT-WINDOW-MENU-ITEMS TEST.DEFAULT-CONCEPT-SPACE-NAME TEST.DEFAULT-DEPTH
  TEST.DEFAULT-HARDCOPY-DEVICE TEST.DEFAULT-HARDCOPY-MODE TEST.DEFAULT-LOCATION
  TEST.DEFAULT-PRETEST-MODE TEST.DEFAULT-TRACE-MODE TEST.DEFAULT-EVALAFTER TEST.DEFAULT-EVALBEFORE
  TEST.DEFAULT-EVALEXPR TEST.DEFAULT-INPUT TEST.DEFAULT-PRETESTS TEST.DEFAULT-SUCCESSPREDICATE
  TEST.DEFAULT-TESTCOMMENT TEST.DEFAULT-TESTID TEST.DEFAULT-TIMEOUT TEST.DEFAULT-TIMES
  TEST.DISPLAY-THERMOMETERS TEST.EVAL-SERVER-HOST TEST.GLOBAL-RESULT-OF-TIMED-EVALUATION
  TEST.LIST-OF-MODIFIED-TESTS TEST.LIST-OF-TESTS TEST.MAX-TESTS-BUFFER-SIZE
  TEST.MIN-TESTS-BUFFER-SIZE TEST.NAME-OF-FILE-HOLDING-NEXT-TESTID TEST.NAME-OF-LOCK-FILE
  TEST.NEWPAGE-BEFORE-HARDCOPY-TEST TEST.OBTAIN-LOCK-WHEN-EDIT TEST.TEST-DATA-BASE-DIRECTORY
  TEST.TESTS-BUFFER-SIZE TEST.TRACE-FILE-NAME)
 (P (VARBROWSER [QUOTE ((TEST.EVAL-SERVER-HOST)
  (TEST.TEST-DATA-BASE-DIRECTORY)
  (TEST.DEFAULT-HARDCOPY-DEVICE)
  (TEST.TRACE-FILE-NAME)
  (TEST.DEFAULT-HARDCOPY-MODE (No-Hardcopy Failures-Only Hardcopy-All))
  (TEST.DEFAULT-PRETEST-MODE (No-Pretests Weak-Links Strong-Links))
  (TEST.DEFAULT-TRACE-MODE (On Off))
  (TEST.DEFAULT-LOCATION (Local Remote))
  (TEST.TRACE-FILE-NAME)
  (TEST.DEFAULT-CONCEPT-SPACE-NAME)
  (TEST.DEFAULT-DEPTH (NIL 2 3 4 5 6 7 8 9 10))
  (TEST.MAX-TESTS-BUFFER-SIZE (2000 1000 750 500 250 200 100 75 50 30 10))
  (TEST.MIN-TESTS-BUFFER-SIZE (1 5 10 20 50 100 200 500))
  (TEST.OBTAIN-LOCK-WHEN-EDIT (T NIL))
  (TEST.DISPLAY-THERMOMETERS (T NIL))
  (TEST.NEWPAGE-BEFORE-HARDCOPY-TEST (T NIL)
  NIL "Test Variables"))))
```

(DECLARE: EVAL@COMPILE

(RECORD CONCEPT (CONCEPTNAME TESTS SUBCONCEPTS SUPERCONCEPTS))

(RECORD CONCEPTSPACE (CONCEPTSPACENAME ROOTCONCEPT CONCEPTLIST))

(RECORD TEST (TESTID EVALEXPR INPUT SUCCESSPREDICATE TIMES TIMEOUT EVALBEFORE EVALAFTER TESTCOMMENT PRETESTS))
)

(RPAQQ TEST.AVERAGE-TEST-SIZE 1.222222)

```
(RPAQQ TEST.BACKGROUND-MENU-SUBITEMS (SUBITEMS ("Load Concept Space" (TEST.LOAD-CONCEPT-SPACE-COMMAND)
  "Prompts for a file name and loads the concept space
  stored on this file.")
  ("Store Concept Space" (TEST.STORE-CONCEPT-SPACE-COMMAND)
  "Pops up a menu of the concept spaces, prompts for a file
  name and stores the concept space on the file.")
  ("Browse concept space" (TEST.BROWSE-CONCEPT-SPACE-COMMAND)
  "Pops up a menu of the concept spaces, and displays a
  graph window of the selected concept space.)))
```

(RPAQQ **TEST.CONCEPT-SPACES**

```

[ (INTERLISP-D SYSTEM INTERLISP-D ( (INTERLISP-D NIL (TESTER INPUT/OUTPUT DISPLAY COMPILER LIST-PROCESSING
                                     ARITHMETIC)
                                     NIL)
                                     (ARITHMETIC NIL (ARITHMETIC-FUNCTIONS FLOAT-ARITHMETIC
                                                         INTEGER-ARITHMETIC)
                                     (INTERLISP-D))
                                     (LIST-PROCESSING NIL NIL (INTERLISP-D))
                                     (COMPILER NIL NIL (INTERLISP-D))
                                     (INTEGER-ARITHMETIC NIL (IQUOTIENT IMINUS IPLUS ITIMES BIGNUM FIXP-ARITH
                                                         )
                                     (ARITHMETIC))
                                     (FLOAT-ARITHMETIC NIL (FTIMES FPLUS)
                                     (ARITHMETIC))
                                     (FIXP-ARITH (10 8 7 6 5)
                                     NIL
                                     (INTEGER-ARITHMETIC))
                                     (BIGNUM (27 26 25 24 23 20 18 13 12 11 9 4)
                                     NIL
                                     (INTEGER-ARITHMETIC))
                                     (ARITHMETIC-FUNCTIONS NIL (IQUOTIENT SUB1 ADD1 IMINUS EQP FTIMES FPLUS
                                                         IPLUS ITIMES)
                                     (ARITHMETIC))
                                     (ITIMES (13 10 4)
                                     NIL
                                     (INTEGER-ARITHMETIC ARITHMETIC-FUNCTIONS))
                                     (IPLUS (12 11 9 8 7 6 5)
                                     NIL
                                     (INTEGER-ARITHMETIC ARITHMETIC-FUNCTIONS))
                                     (FPLUS NIL NIL (FLOAT-ARITHMETIC ARITHMETIC-FUNCTIONS))
                                     (FTIMES NIL NIL (FLOAT-ARITHMETIC ARITHMETIC-FUNCTIONS))
                                     (DISPLAY NIL (FONTS WINDOW-SYSTEM)
                                     (INTERLISP-D))
                                     (WINDOW-SYSTEM NIL (WINDOW-FUNCTIONS)
                                     (DISPLAY))
                                     (WINDOW-FUNCTIONS NIL (SHAPEW)
                                     (WINDOW-SYSTEM))
                                     (SHAPEW (14)
                                     NIL
                                     (WINDOW-FUNCTIONS))
                                     (FONTS NIL (FONTS-FUNCTIONS)
                                     (DISPLAY))
                                     (FONTS-FUNCTIONS NIL (FONTCREATE)
                                     (FONTS))
                                     (FONTCREATE (16)
                                     NIL
                                     (I/O-FUNCTIONS FONTS-FUNCTIONS))
                                     (INPUT/OUTPUT NIL (I/O-FUNCTIONS DSK-FILING NS-FILING)
                                     (INTERLISP-D))
                                     (NS-FILING (3 2 1)
                                     NIL
                                     (INPUT/OUTPUT))
                                     (DSK-FILING NIL NIL (INPUT/OUTPUT))
                                     (I/O-FUNCTIONS NIL (FONTCREATE PRIN2 READ)
                                     (INPUT/OUTPUT))
                                     (READ (3 2 1)
                                     NIL
                                     (I/O-FUNCTIONS))
                                     (PRIN2 (3 2 1)
                                     NIL
                                     (I/O-FUNCTIONS))
                                     (TESTER NIL (RANDOM-GENERATOR TESTS REMOTE-EVAL CONCEPT-SPACE)
                                     (INTERLISP-D))
                                     (CONCEPT-SPACE NIL NIL (TESTER))
                                     (REMOTE-EVAL NIL NIL (TESTER))
                                     (TESTS NIL (1-100)
                                     (TESTER))
                                     (RANDOM-GENERATOR NIL NIL (TESTER))
                                     (1-100 (21 19)
                                     NIL
                                     (TESTS))
                                     (EQP (20)
                                     NIL
                                     (ARITHMETIC-FUNCTIONS))
                                     (IMINUS (24 23)
                                     NIL
                                     (INTEGER-ARITHMETIC ARITHMETIC-FUNCTIONS))
                                     (ADD1 (26 25)
                                     NIL
                                     (ARITHMETIC-FUNCTIONS))
                                     (SUB1 (26 25)
                                     NIL
                                     (ARITHMETIC-FUNCTIONS))
                                     (IQUOTIENT (27)
                                     NIL
                                     (INTEGER-ARITHMETIC ARITHMETIC-FUNCTIONS]))

```

(RPAQQ **TEST.CONCEPT-WINDOW-MENU-ITEMS**

```

[("Copy subtree" TEST.COPY-SUBTREE-COMMAND)
 ("Add concept" TEST.ADD-CONCEPT-COMMAND)
 ("Delete concept" TEST.DELETE-CONCEPT-COMMAND)
 ("Add link" TEST.ADD-LINK-COMMAND)
 ("Delete link" TEST.DELETE-LINK-COMMAND)
 ("Add test" TEST.ADD-TEST-COMMAND)
 ("Delete test" TEST.DELETE-TEST-COMMAND)
 ("Edit test" TEST.EDIT-TEST-COMMAND)
 ("Display" NIL "select subitem to perform display operations." (SUBITEMS ("Display tests on/off"
    TEST.SWITCH-DISPLAY-MODE-COMMAND
    )
    ("Browse subtree"
    TEST.BROWSE-SUBTREE-COMMAND
    "Asks for a node selection
    and creates a browser for
    the concept space for which
    the selected node is the
    root")
    ("Change depth"
    TEST.CHANGE-DEPTH-COMMAND
    "Will prompt for an integer
    which will be the new depth
    of the displayed concept
    space lattice")
    ("Update" TEST.UPDATE-COMMAND
    "Recomputes the graph and
    display it.")))
("Execute tests" TEST.EXECUTE-TESTS "Executes all the tests of the selected concept. "
 (SUBITEMS ("All tests" TEST.EXECUTE-TESTS "Executes all the tests of the selected concept. ")
 ("Selected tests" TEST.EXECUTE-SELECTED-TESTS-COMMAND "Lets the user to select tests of
 the selected concept, and executes these tests.")))
("Hardcopy tests" TEST.HARDCOPY-ALL-TESTS-COMMAND NIL (SUBITEMS ("All tests"
    TEST.HARDCOPY-ALL-TESTS-COMMAND)
 ("Selected tests"
    TEST.HARDCOPY-SELECTED-TESTS-COMMAND
    )))
("data base" NIL "Select on of the submenus" (SUBITEMS ("Obtain Lock" TEST.OBTAIN-LOCK-COMMAND "Will try
 to obtain locks on all the tests of the
 selected concept" (SUBITEMS ("All tests"
    TEST.OBTAIN-LOCK-COMMAND
    "Will try to
    obtain locks
    on all the
    tests of the
    selected
    concept")
    ("Selected
    tests"
    TEST.OBTAIN-LOCK-ON-SELECTED-TESTS-COMMAND
    "Will try
    to obtain
    locks on
    the
    selected
    tests of
    the
    selected
    concept"))
    )
    ("Release lock" TEST.RELEASE-LOCK-COMMAND "Will
    release all the locks that the user has on
    the tests of the selected test."
    (SUBITEMS ("All tests"
    TEST.RELEASE-LOCK-COMMAND
    "Will release all the locks
    that the user has on the
    tests of the selected
    test.")
    ("Selected tests"
    TEST.RELEASE-LOCK-ON-SELECTED-TESTS-COMMAND
    "Will the locks that the user
    has on the selected tests of
    the selected concept"])]])

```

(RPAQQ **TEST.DEFAULT-DEPTH** NIL)(RPAQQ **TEST.DEFAULT-HARDCOPY-DEVICE** {LPT})(RPAQQ **TEST.DEFAULT-HARDCOPY-MODE** Hardcopy-All)(RPAQQ **TEST.DEFAULT-LOCATION** Local)(RPAQQ **TEST.DEFAULT-PRETEST-MODE** Weak-Links)

```

{MEDLEY}<test>tools>TESTERS.;1

(RPAQQ TEST.DEFAULT-TRACE-MODE On)

(RPAQQ TEST.DEFAULT.EVALAFTER [LAMBDA (RES ARGS)])

(RPAQQ TEST.DEFAULT.EVALBEFORE NIL)

(RPAQQ TEST.DEFAULT.EVALEXPR NIL)

(RPAQQ TEST.DEFAULT.INPUT (QUOTE DUMMYARG1 DUMMYARG2))

(RPAQQ TEST.DEFAULT.PRETESTS ((WEAK)
                              (STRONG)))

(RPAQQ TEST.DEFAULT.SUCCESSPREDICATE [LAMBDA (RES ARGS)
                                         (IF THEN (QUOTE SUCCESS)
                                              ELSE
                                              (QUOTE FAILURE)])

(RPAQQ TEST.DEFAULT.TESTCOMMENT (* * Describe in short what the test does))

(RPAQQ TEST.DEFAULT.TESTID 0)

(RPAQQ TEST.DEFAULT.TIMEOUT [LAMBDA (ARGS)
                                1000])

(RPAQQ TEST.DEFAULT.TIMES 1)

(RPAQQ TEST.EVAL-SERVER-HOST NIL)

(RPAQQ TEST.GLOBAL-RESULT-OF-TIMED-EVALUATION NIL)

(RPAQQ TEST.LIST-OF-MODIFIED-TESTS NIL)

(RPAQQ TEST.LIST-OF-TESTS NIL)

(RPAQQ TEST.MAX-TESTS-BUFFER-SIZE 500)

(RPAQQ TEST.MIN-TESTS-BUFFER-SIZE 20)

(RPAQQ TEST.NEWPAGE-BEFORE-HARDCOPY-TEST NIL)

(RPAQ TEST.TESTS-BUFFER-SIZE (TEST.SET-TESTS-BUFFER-SIZE))

(RPAQ? TEST.DEFAULT-CONCEPT-SPACE-NAME (QUOTE INTERLISPD-SYSTEM))

(RPAQ? TEST.DEFAULT-LOCATION (QUOTE On))

(RPAQ? TEST.DISPLAY-THERMOMETERS T)

(RPAQ? TEST.OBTAIN-LOCK-WHEN-EDIT T)

(RPAQ? TEST.TEST-DATA-BASE-DIRECTORY (QUOTE {ERIS}<TEST>TESTS))

(RPAQ? TEST.TRACE-FILE-NAME (QUOTE {DSK}<LISPFILES>TESTER-TRACES>TRACE-FILE))

(DECLARE: EVAL@COMPILE

(RPAQQ TEST.NAME-OF-FILE-HOLDING-NEXT-TESTID {ERIS}<TEST>TOOLS>NEXTID)

(RPAQQ TEST.NAME-OF-LOCK-FILE {ERIS}<TEST>TOOLS>LOCK-FILE)

(CONSTANTS (TEST.NAME-OF-FILE-HOLDING-NEXT-TESTID (QUOTE {ERIS}<TEST>TOOLS>NEXTID))
            (TEST.NAME-OF-LOCK-FILE (QUOTE {ERIS}<TEST>TOOLS>LOCK-FILE)))
)

(DECLARE: DOEVAL@COMPILE DONTCOPY

(GLOBALVARS TEST.AVERAGE-TEST-SIZE TEST.BACKGROUND-MENU-SUBITEMS TEST.CONCEPT-SPACES
             TEST.CONCEPT-WINDOW-MENU-ITEMS TEST.DEFAULT-CONCEPT-SPACE-NAME TEST.DEFAULT-DEPTH
             TEST.DEFAULT-HARDCOPY-DEVICE TEST.DEFAULT-HARDCOPY-MODE TEST.DEFAULT-LOCATION TEST.DEFAULT-PRETEST-MODE
             TEST.DEFAULT-TRACE-MODE TEST.DEFAULT.EVALAFTER TEST.DEFAULT.EVALBEFORE TEST.DEFAULT.EVALEXPR
             TEST.DEFAULT.INPUT TEST.DEFAULT.PRETESTS TEST.DEFAULT.SUCCESSPREDICATE TEST.DEFAULT.TESTCOMMENT
             TEST.DEFAULT.TESTID TEST.DEFAULT.TIMEOUT TEST.DEFAULT.TIMES TEST.DISPLAY-THERMOMETERS
             TEST.EVAL-SERVER-HOST TEST.GLOBAL-RESULT-OF-TIMED-EVALUATION TEST.LIST-OF-MODIFIED-TESTS
             TEST.LIST-OF-TESTS TEST.MAX-TESTS-BUFFER-SIZE TEST.MIN-TESTS-BUFFER-SIZE
             TEST.NAME-OF-FILE-HOLDING-NEXT-TESTID TEST.NAME-OF-LOCK-FILE TEST.NEWPAGE-BEFORE-HARDCOPY-TEST
             TEST.OBTAIN-LOCK-WHEN-EDIT TEST.TEST-DATA-BASE-DIRECTORY TEST.TESTS-BUFFER-SIZE TEST.TRACE-FILE-NAME)

)

(VARBROWSER [QUOTE ((TEST.EVAL-SERVER-HOST)
                    (TEST.TEST-DATA-BASE-DIRECTORY)
                    (TEST.DEFAULT-HARDCOPY-DEVICE)
                    (TEST.TRACE-FILE-NAME)
                    (TEST.DEFAULT-HARDCOPY-MODE (No-Hardcopy Failures-Only Hardcopy-All))
                    (TEST.DEFAULT-PRETEST-MODE (No-Pretests Weak-Links Strong-Links))
                    (TEST.DEFAULT-TRACE-MODE (On Off))
                    (TEST.DEFAULT-LOCATION (Local Remote))

```

```
(TEST.TRACE-FILE-NAME)
(TEST.DEFAULT-CONCEPT-SPACE-NAME)
(TEST.DEFAULT-DEPTH (NIL 2 3 4 5 6 7 8 9 10))
(TEST.MAX-TESTS-BUFFER-SIZE (2000 1000 750 500 250 200 100 75 50 30 10))
(TEST.MIN-TESTS-BUFFER-SIZE (1 5 10 20 50 100 200 500))
(TEST.OBTAIN-LOCK-WHEN-EDIT (T NIL))
(TEST.DISPLAY-THERMOMETERS (T NIL))
(TEST.NEWPAGE-BEFORE-HARDCOPY-TEST (T NIL]
NIL "Test Variables")

(PUTPROPS TESTERVARs COPYRIGHT ("Xerox Corporation" 1985))
```

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CONSTANT INDEX

TEST.NAME-OF-FILE-HOLDING-NEXT-TESTID	4	TEST.NAME-OF-LOCK-FILE	4
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