File created: *23-Jul-85 12:55:55* **{DSK}<LISPFILES>TESTER>SOURCES>TEST-ARITHMETIC-UTILS.;3**

changes to: *(VARS TEST-ARITHMETIC-UTILSCOMS TEST.BIGNUM-SPECIAL-NUMBERS)*
(FNS TEST.GENERAL-IPLUS-SUCCESS-PREDICATE)

previous date: *11-Jul-85 11:05:16 {DSK}<LISPFILES>TESTER>TEST-ARITHMETIC-UTILS.;1*

Read Table: *OLD-INTERLISP-FILE*

Package: *INTERLISP*

Format: *MCCS*

(* * Copyright (c) 1985 by Xerox Corporation. All rights reserved.)

```
(RPAQQ TEST-ARITHMETIC-UTILSCOMS ((FNS TEST.GENERAL-IPLUS-SUCCESS-PREDICATE TEST.NON-NUMERIC-ERROR)
                                  (VARS TEST.BIGNUM-SPECIAL-NUMBERS)))

(DEFINEQ

(TEST.GENERAL-IPLUS-SUCCESS-PREDICATE
  [LAMBDA (RESULT ARGUMENTS)                                  (* sm "18-Jul-85 18:29")
    (if (TEST.ERRORP RESULT)
        then (QUOTE FAILURE)
      else (for ARGUMENT in ARGUMENTS do (SETQ RESULT (IDIFFERENCE RESULT ARGUMENT)))
           (if (ZEROP RESULT)
               then (QUOTE SUCCESS)
             else (QUOTE FAILURE])


(TEST.NON-NUMERIC-ERROR
  [LAMBDA (RES ARGS)                                          (* sm " 3-Jul-85 10:49")
    (if (AND (TEST.ERRORP RES)
             (EQP (CADR RES)
                  10))
        then (QUOTE SUCCESS)
      else (QUOTE FAILURE])

)

(RPAQQ TEST.BIGNUM-SPECIAL-NUMBERS
       (0 1 -1 16382 -16382 16383 -16383 16384 -16384 32766 -32766 32767 -32767 32768 -32768 65534 -65534 65536 -65536 16777214
          -16777214 16777215 -16777215 16777216 -16777216 134217726 -134217726 134217727 -134217727 134217728 -134217728))

(PUTPROPS TEST-ARITHMETIC-UTILS COPYRIGHT ("Xerox Corporation" 1985))
```

FUNCTION INDEX

TEST.GENERAL-IPLUS-SUCCESS-PREDICATE 1
TEST.NON-NUMERIC-ERROR 1

VARIABLE INDEX

TEST.BIGNUM-SPECIAL-NUMBERS 1