

(PRECOMP SECTION SYS OCTAL)	0000100
(LAP (PATCH (ORG))	0000200
(ENTRY PDOK (LABEL PDOK))	0000300
(ENTRY PDOK1 (LABEL PDOK1))	0000400
GO (BUS (D. 1))	0000500
(BUS (LABEL A))	0000600
RECOV (BUS (D. 1))	0000700
(BUS RECOV 1)	0000800
A (LDI 4 (R 7Q6))	0000900
(LDX (INTCNT . SYS) 0 6)	0001000
(LDX (CDSW . IC) 0 8)	0001100
(LDX (INTTY . IO) 0 4)	0001200
(BXH 2 (8 D) 0)	0001300
(LDX BPO 0 8)	0001400
(ARG\$)	0001500
(CALL START)	0001600
(BUC (LABEL GO))	0001700
(1Q6)	0001800
(DITTC 4)	0001900
PDOK1 (BXL (LABEL PDGONE) 8)	0002000
PDOK (LDX (Z. 2Q1) 0 4)	0002100
(BXL (LABEL P) 8)	0002200
(XEC (LABEL P))	0002300
(BUC 0 4)	0002400
P (ATX -1 (4 L) 8)	0002500
(LDX -1 (4 L) 4)	0002600
(STX (PDADD . GC) 0 4) PDGONE (LDX PDGONE 0 4) (BUC 3 4) (END))	0002700
((DDSW . IC) OWN INTEGER VALUE)	0002800
((FREEZE . SYS) FLUID BOOLEAN VALUE)	0002900
((INTCNT . SYS) OWN INTEGER VALUE)	0003000
((FMCALL . SYS) OWN (FUNCTIONAL NOVALUE) VALUE)	0003100
((INTERRUPT . SYS) FUNCTION (FUNCTIONAL OCTAL) VALUE)	0003200
((INTTY . IC) FUNCTION (FUNCTIONAL NOVALUE) VALUE)	0003300
(FPO OWN OCTAL VALUE)	0003400
(FPP CWN OCTAL VALUE)	0003500
(CHO CWN OCTAL VALUE)	0003600
(TRO CWN OCTAL VALUE)	0003700
(TRP OWN OCTAL VALUE)	0003800
(BPO CWN OCTAL VALUE)	0003900
(BPP CWN OCTAL VALUE)	0004000
(ARO OWN OCTAL VALUE)	0004100
(ARP CWN OCTAL VALUE)	0004200
(LSP CWN OCTAL VALUE)	0004300
(LSO OWN OCTAL VALUE)	0004400
(TRL OWN OCTAL VALUE)	0004500
(OBLIST OWN (ARRAY SYMBOL) VALUE)	0004600
(OBLSIZ OWN INTEGER VALUE)	0004700
(PDOUT OWN SYMCL VALUE)	0004800
((PDADD . GC) CWN OCTAL VALUE)	0004900
((PDBUF . GC) CWN OCTAL VALUE)	0005000
(START FUNCTION (FUNCTIONAL NOVALUE) VALUE)	0005100
(RECOV FUNCTION (FUNCTIONAL NOVALUE) VALUE)	0005200
(PDGONE FUNCTION (FUNCTIONAL NOVALUE) VALUE)	0005300
(FNTRAP FUNCTION (FUNCTIONAL NOVALUE) VALUE)	0005400
(FMTRAP FUNCTION (FUNCTIONAL NOVALUE) VALUE)) SYS)	0005500
(LAP (PATCH (ORG))	0005600
(ENTRY RETURN (LABEL RETURN))	0005700
(ENTRY ROUT (LABEL ROUT))	0005800
(ENTRY FLBIND (LABEL FLBIND))	0005900
(ENTRY FLREST (LABEL FLREST))	0006000
(ENTRY STZENT (LABEL STZENT))	0006100
(ENTRY ONENT (LABEL ONENT))	0006200
(ENTRY I2OENT (LABEL I2OENT))	0006300

(ENTRY STBENT (LABEL STBENT))	0006400
(ENTRY B48. (LABEL B48.))	0006500
(ENTRY INTER (LABEL INTER))	0006600
RETURN (LDX 0 8 4)	0006700
(ATX -1 (4 L) 8)	0006800
INTER (BPX 1 (6 D) 1)	0006900
(LDX (FREEZE . SYS) I 3)	0007000
(LDX 1C0 R 6)	0007100
(BXE 1 (3 D) 1)	0007200
(LDX -1 (4 L) 4)	0007300
(STX (D. 1) L 4)	0007400
(BPX (D. 1) 8)	0007500
(LDX (INTERRUPT . SYS) 0 4)	0007600
(BUC 2 4)	0007700
ROUT (LDX 0 8 4)	0007800
(ATX -1 (4 L) 8)	0007900
(BUC 0 4)	0008000
FLBIND (LDX (Z. 2Q1) 0 4)	0008100
(ATX (Z. 8) 0 3)	0008200
FLB1 (BAX (D. 1) 3 -1)	0008300
(LDA 0 (4 L7.123 S))	0008400
(ADD (Z. 8))	0008500
(TST 0 4 6Q1)	0008600
(LDA 0 A)	0008700
(ECH 0 (4 I))	0008800
(STF 0 3)	0008900
(TST 0 4 51Q)	0009000
(BAX (LABEL FLB1) 4 1)	0009100
(BUC 1 4)	0009200
FLREST (STP (LABEL FLR2) S567.7)	0009300
(LDX -1 (7 L) 3)	0009400
(ATX (Z. 8) 0 3)	0009500
FLR1 (BAX (D. 1) 3 -1)	0009600
(LDB 0 3)	0009700
(STB 0 (7 I))	0009800
(TST 0 7 51Q)	0009900
(BAX (LABEL FLR1) 7 1)	0010000
FLR2 (BUC)	0010100
STZENT (STZ A.)	0010200
(BUC 0 4)	0010300
CNENT (LDA 1 (L567.7 R))	0010400
(BUC 0 4)	0010500
I2OENT (BNZM 0 4)	0010600
(STZ A.)	0010700
(BUC 0 4)	0010800
STBENT (BOZP 0 4)	0010900
(LDA 1 (L567.7 R)) (BUC 0 4) B48. (1071) (END) NIL SYS)	0011000
(LAP (PATCH (CRG) (END))	0011100
((CONDERR FUNCTION (FUNCTIONAL NOVALUE) VALUE))	0011200
((EQUAL. FUNCTION (FUNCTIONAL BOOLEAN SYMBOL SYMBOL) VALUE))	0011300
((EQUALN. FUNCTION (FUNCTIONAL BOOLEAN SYMBOL SYMBOL) VALUE))	0011400
((SYMBOLS FUNCTION (FUNCTIONAL SYMBOL SYMBOL) VALUE))	0011500
((SYMSGN FUNCTION (FUNCTIONAL INTEGER SYMBOL) VALUE))	0011600
((STIMS FUNCTION (FUNCTIONAL SYMBOL SYMBOL SYMBOL) VALUE))	0011700
((STIMR FUNCTION (FUNCTIONAL REAL REAL SYMBOL) VALUE))	0011800
((STIMI FUNCTION (FUNCTIONAL SYMBOL INTEGER SYMBOL) VALUE))	0011900
((SPLUS FUNCTION (FUNCTIONAL SYMBOL SYMBOL SYMBOL) VALUE))	0012000
((SPLUR FUNCTION (FUNCTIONAL REAL REAL SYMBOL) VALUE))	0012100
((SPLUI FUNCTION (FUNCTIONAL SYMBOL INTEGER SYMBOL) VALUE))	0012200
((SMINS FUNCTION (FUNCTIONAL SYMBOL SYMBOL SYMBOL) VALUE))	0012300
((SMINI FUNCTION (FUNCTIONAL SYMBOL INTEGER SYMBOL) VALUE))	0012400
((SMINR FUNCTION (FUNCTIONAL REAL REAL SYMBOL) VALUE))	0012500
((MINSYM FUNCTION (FUNCTIONAL SYMBOL SYMBOL) VALUE)) SYS)	0012600

(LAP (PATCH (CRG) (END))	0012700
((INT2OCT Routine (FUNCTIONAL OCTAL INTEGER) VALUE)	0012800
(SYM2OCT FUNCTION (FUNCTIONAL OCTAL SYMBOL) VALUE)	0012900
(SYM2INT FUNCTION (FUNCTIONAL INTEGER SYMBOL) VALUE)	0013000
(SYM2REAL FUNCTION (FUNCTIONAL REAL SYMBOL) VALUE)	0013100
(OCT2SYM FUNCTION (FUNCTIONAL SYMBOL OCTAL) VALUE)	0013200
(REAL2SYM FUNCTION (FUNCTIONAL SYMBOL REAL) VALUE)	0013300
(INT2SYM FUNCTION (FUNCTIONAL SYMBOL INTEGER) VALUE)	0013400
(FORM2SYM FUNCTION (FUNCTIONAL SYMBOL FUNCTIONAL) VALUE)	0013500
(SYM2FCRM FUNCTION (FUNCTIONAL FUNCTIONAL SYMBOL) VALUE)	0013600
(OCTROUND Routine (FUNCTIONAL OCTAL REAL) VALUE)	0013700
(ROUND Routine (FUNCTIONAL INTEGER REAL) VALUE)) LISP))	0013800
	0013900

****END OF FILE DETECTED

(APRIL.27.1200 (SECTION SYS OCTAL))	0000100
MACRO1 (((LSHIFT (LAMBDA (L) (CONS (QUOTE SHIFT) (CDR L))))))	0000200
(RSHIFT (LAMBDA (L)))	0000300
(LIST (QUOTE SHIFT))	0000400
(CADR L) (CCNS (QUOTE MINUS) (CDDR L))))))	0000500
RCUTINE FXRUB ((X OCTAL)))	0000600
(DECLARE (CBLIST (ARRAY SYMBOL) CWN))	0000700
(CHO CWN)	0000800
(TRO CWN)	0000900
(TRP CWN)	0001000
(TRM CWN)	0001100
(BPO CWN)	0001200
(BPP CWN)	0001300
(ARO CWN)	0001400
(ARP CWN) (LSP CWN) (LSC CWN) (TRL CWN) (PDCUT SYMBOL CWN))	0001500
(SECTION (GC SYS) OCTAL))	0001600
INSTRUCTIONS (((MARKED (LAMBDA NIL (PROG NIL (ATTACH (LIST (QUOTE LDS) (CADR EXP) (QUOTE (I 40015Q2))))	0001700
(SETQ VREG (QUOTE AC))	0001800
(SETQ VTYPE (QUOTE BOOLEAN))	0001900
(SETQ VCLASS (QUOTE ACTIVE)) (BLOTH (QUOTE AC))))))	0002000
(UNMARK (LAMBDA NIL (PROG NIL (ATTACH (LIST (QUOTE INS) (CADR EXP) (QUOTE (I 44Q5))))))))	0002100
MACRO1 (((LEFT (LAMBDA (X) (ITYBIT T 24 18 (CDR X))))))	0002200
(RIGHT (LAMBDA (X) (ITYBIT T 0 18 (CDR X))))))	0002300
(PREFIX (LAMBDA (X) (ITYBIT T 42 6 (CDR X))))))	0002400
(TAG (LAMBDA (X) (ITYBIT T 18 6 (CDR X))))))	0002500
(LEFTX (LAMBDA (X) (ITYBIT NIL 24 18 (CDR X))))))	0002600
(RIGHTX (LAMBDA (X) (ITYBIT NIL 0 18 (CDR X))))))	0002700
(ONEMOR (LAMBDA (X) (LIST (QUOTE I20.) (LIST (QUOTE PLUS) (CADR X) 1))))))	0002800
(ONELSS (LAMBDA (X) (LIST (QUOTE I20.) (LIST (QUOTE PLUS) (CADR X) -1))))))	0002900
(PLUS (LAMBDA (X) (LIST (QUOTE I20.) (CONS (QUOTE (PLUS . LISP)) (CDR X))))))))	0003000
DEFINE (((ITYBIT (LAMBDA (W X Y Z) (CONS (QUOTE BIT) (CONS X (CONS Y (COND (W (CONS (CONS (QUOTE CORE) Z) NIL)) (T Z))))))))))	0003100
(DECLARE (GCC CWN))	0003200
(A OWN)	0003300
(B OWN)	0003400
(C OWN)	0003500
(D OWN)	0003600
(X OWN)	0003700
(Y OWN)	0003800
(Z OWN)	0003900
(BCOL BCOLEAN OWN)	0004000
(XPDP OWN)	0004100
(TEMP1 CWN)	0004200
(TEMP2 CWN)	0004300
(TEMP3 CWN)	0004400
(TEMP4 CWN)	0004500
(ARYORG OWN)	0004600
(ARYCNT OWN)	0004700
(BPSORG OWN)	0004800
(FREREL OWN)	0004900
(PDLREL OWN)	0005000
(TRPCNT OWN)	0005100
(BPMIN CWN)	0005200
(PDADD CWN)	0005300
(PDBUF CWN)	0005400
	0005500
	0005600
	0005700
	0005800
	0005900
	0006000
	0006100
	0006200
	0006300

(GCERR BOOLEAN CWN)	0006400
(GC1 INTEGER CWN 200)	0006500
(GC2 INTEGER CWN 200)	0006600
(GC3 INTEGER CWN 2000)	0006700
(GC4 REAL CWN 0.199999999)	0006800
(GC5 INTEGER CWN 500)	0006900
(GC6 REAL CWN 0.5)	0007000
(GC7 INTEGER CWN 20000) (GC8 INTEGER CWN 5000))	0007100
(ROUTINE ((ACPCOK . SYS) NOVALUE) ((X INTEGER)))	0007200
(RCUTINE ((MINR . LISP) REAL) ((A REAL) (B REAL)))	0007300
(RCUTINE ((MAXR . LISP) REAL) ((A REAL) (B REAL)))	0007400
(ROUTINE ((ENTIER . LISP) INTEGER) ((A REAL)))	0007500
(FUNCTION ((ERROR . LISP) SYMBOL) ((A SYMBOL)))	0007600
(FUNCTION ((RECLAIM . SYS) INTEGER)	0007700
((X INTEGER))	0007800
(BLOCK ((S SYMBOL) (J INTEGER))	0007900
(CODE (LDA (LABEL OFF)) (STF (ENTRY INTER)))	0008000
(TRY S L (SET J (BLCK NIL (IF (NULL PDOUT)	0008100
(SET PDOUT (QUOTE G))))	0008200
(SET GCC (PLUS 1 GCC))	0008300
(SET (CCRE (S2C. OBLIST)) (WCRDCR (CORE (S20. OBLIST)) 4Q7))	0008400
(RETURN (DRIVER X))))	0008500
(CODE (LDA (LABEL CN)) (STF (ENTRY INTER)))	0008600
(RETURN J)	0008700
L (CODE (LDA (LABEL CN)) (STF (ENTRY INTER)))	0008800
(EXIT S) OFF (CODE (BUC 1 4)) CN (CODE (BPX 1 (6 D) 1)))	0008900
(FUNCTION (DRIVER INTEGER)	0009000
(AA)	0009100
(CRG NIL (BLOCK (ZZ)	0009200
(CODE (STX XPD 0 8))	0009300
(SET BOOL FALSE)	0009400
(SET ARYCNT 0)	0009500
(SCNPDL MRKPDL)	0009600
(MRKCHR)	0009700
(MRKTSP)	0009800
(PRUNVF)	0009900
(PRUNCB)	0010000
(PKTS)	0010100
(PKFREE)	0010200
(SET ZZ (GPCALC AA))	0010300
(RELARY)	0010400
(FXTSP)	0010500
(FXARY)	0010600
(FXFREE)	0010700
(RELBPS)	0010800
(SET BOOL TRUE)	0010900
(SCNPDL FIXIT1)	0011000
(FXBPS)	0011100
(SET TEMP1 BPC)	0011200
(SET XPD (PLUS XPD -10))	0011300
(IF (LS PDLREL 0)	0011400
(BLOCK NIL (SET TEMP1 (PLUS TEMP1 PDLREL)))	0011500
(SET Z (PLUS (SET X XPD PDLREL)))	0011600
M0 (SET (CORE Z) (CCRE X))	0011700
(SET Z (CNEMOR Z))	0011800
(IF (NQ (SET X (CNEMOR X)) BPC) (GO M0))	0011900
(CODE (ATX PDLREL 0 8))))	0012000
(SET BPP (PACKIT 4Q15 BPO BPP TEMP1))	0012100
(SET BPO TEMP1)	0012200
A (SET TEMP1 (IF (LS ARYORG ARC) ARYORG ARO))	0012300
(SET ARP (PACKIT 4Q7 ARO ARP TEMP1))	0012400
(SET ARC TEMP1)	0012500
(IF (GR ARYCRG ARO)	0012600

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(BLOCK NIL (SET ARP (SET Z (PLUS (SET X ARP)
  (MINUS ARO) ARYORG))))
 0012700
 0012800
(GO L)
 0012900
M (SET (CCRE Z) (CORE X))
 0013000
L (SET Z (ONELSS Z))
 0013100
(IF (GQ (SET X (CNELSS X)) ARO) (GO M)) (SET ARO ARYORG))
 0013200
(IF (GR PDLREL 0)
 0013300
(BLOCK NIL (SET BPP (SET Z (PLUS (SET X BPP) PDLREL))))
 0013400
(GO L1)
 0013500
M1 (SET (CORE Z) (CORE X))
 0013600
L1 (SET Z (CNELSS Z))
 0013700
(IF (GQ (SET X (CNELSS X)) XPCP) (GO M1))
 0013800
(SET BPC (PLUS BPO PDLREL)) (CODE (ATX PDLREL 0 8)))
 0013900
(IF (EQ PDCUT (QUOTE B)) (ADPCK PDBUF))
 0014000
(SET PDCUT NIL)
 0014100
(IF GCERR (ERROR (QUOTE (OUT OF STORAGE))))
 0014200
  (RETURN ZZ)))
 0014300
MACRO1 (((PLS (LAMBDA (X)
  (CONS (QUOTE (PLUS . LISP)) (CDR X)))))))
 0014400
(FUNCTION (GPCALC INTEGER)
 0014500
((AA OCTAL))
 0014600
(BLOCK ((A1IU INTEGER (PLUS BPO PCADD TRP (MINUS TR0)
  (MINUS XPCP)))
 0014700
(A2IU INTEGER (PLUS BPP BPMIN (MINUS BPO)))
 0014800
(A3IU INTEGER (PLUS LSO (BLOCK ((I INTEGER ARO)
  (ARYCNT INTEGER 0)))
 0014900
(FCR I (RESET I (PLUS I (BIT 24 18 (CORE I)))))
 0015000
(WHILE (NG I ARP))
 0015100
(UNLESS (EQ (WORDAND (CORE I) 4Q7) 0))
 0015200
(SET ARYCNT (PLUS ARYCNT (BIT 24 18 (CORE I)))))
 0015300
  (RETURN ARYCNT)) AA (MINUS LSP)) (ZZ INTEGER))
 0015400
(SET GCERR FALSE)
 0015500
BACK (BLOCK ((N INTEGER (DIFFERENCE PDBUF (SET ZZ (PLUS LSC
  (MINUS TRC) (MINUS A1IU) (MINUS A2IU) (MINUS A3IU))))))
 0015600
(IF (AND GCERR (GR N 0))
 0015700
  (GO PP)
 0015800
  (AND (NOT GCERR) (LS (MINUS N) GC8))
 0015900
  (BLOCK ((BPKEEP INTEGER BPMIN)
 0016000
    (CK BOCLEAN (UNLbps (PLUS N GC8 ARO (MINUS BPP)
  (MINUS BPMIN))))))
 0016100
    (SET A2IU (PLUS A2IU BPMIN (MINUS BPKEEP)))
 0016200
    (IF (NOT CK) (SET GCERR TRUE) (SET GCERR FALSE)) (GO BACK))
 0016300
    (SET GCERR FALSE))
 0016400
  (BLOCK ((PDEX INTEGER (PLUS BPC (MINUS TR0) (MINUS A1IU)))
 0016500
    (BPEX INTEGER (PLUS ARO (MINUS BPO) (MINUS A2IU)))
 0016600
    (LAEX INTEGER (PLUS LSO (MINUS ARO) (MINUS A3IU))))))
 0016700
  (IF (AND (GR BPEX GC1) (GR PDEX GC2) (GR LAEX GC3)) (GO PP))
 0016800
  LL (BLOCK ((ZE INTEGER (DIFFERENCE ZZ PDBUF)) (ST INTEGER)))
 0016900
  (SET ST (MIN (TIMES GC4 ZE) GC5))
 0017000
  (SET PDLREL (PLUS ST PDBUF))
 0017100
  (SET ZE (DIFFERENCE ZE ST))
 0017200
  (SET ARYCRG (PLUS PDLREL TR0 A1IU A2IU (TIMES GC6 ZE)))
 0017300
  (SET PDLREL (DIFFERENCE PDLREL PDEX))) (GO P))
 0017400
PP (SET PDLREL 0)
 0017500
  (SET ARYORG ARC)
 0017600
P (SET BPMIN 0)
 0017700
  (SET GC7 A2IU)
 0017800
  (SET BPSORG (PLUS BPO PDLREL 1)) (RETURN ZZ))
 0017900
MACRO1 (((PLS (LAMBDA (X)
  (LIST (QUOTE I20.) (CONS (QUOTE (PLUS . LISP)) (CDR X)))))))
 0018000
(FUNCTION (FIXIT1 NOVALUE) ((J OCTAL)) (ORG NIL (FIXIT J)))
 0018100
(FUNCTION (SCNPDL NOVALUE)
 0018200
  ((FN (FLNCTINAL NOVALUE OCTAL)))))
 0018300
 0018400
 0018500
 0018600
 0018700
 0018800
 0018900

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(CRG NIL (BLCK (CURCNE CURLNK (CURPNT XPD) NXTONE BITMAP COUNT)) 0019000
  MORE (SET CURLNK (RIGHT (SET CURCNE CURPNT))) 0019100
  (SET NXTONE (PLUS CURPNT (LEFT (ONELSS CURLNK)))) 0019200
  TO (SET BITMAP (LSHIFT (CORE CURLNK)) 0019300
    (SET COUNT (PLUS CURPNT (MINUS NXTONE)) 0019400
      (LEFT (ONELSS CURLNK)))) 0019500
    (SET COUNT (PLUS 24 (MINUS COUNT))) 0019600
  XTO (IF (EQUAL (SET CURPNT (ONEMOR CURPNT)) NXTONE) 0019700
    (BLCK NIL (SET CURLNK (RIGHT CURLNK)) (GO XT1)) 0019800
    (LS BITMAP 0) (FN CURPNT)) 0019900
  (SET BITMAP (LSHIFT BITMAP 1)) 0020000
  (IF (INQ (SET COUNT (ONELSS COUNT)) 0) (GO XTO)) 0020100
  (IF (EQ (TAG (SET CURLNK (RIGHT CURLNK))) 0) (GO TO)) 0020200
  T1 (SET CURPNT NXTCNE) 0020300
  XT1 (IF (AND BOOL (INQ (SET TEMP1 (RIGHT CURLNK)) 0)) 0020400
    (SET (CORE CURONE))
    (PLUS (CORE CURONE)
      (IF (EQUAL (WORDAND 1Q15 (SET TEMP1 (CORE TEMP1))) 0) 0020500
        (RIGHTX TEMP1) (LEFTX TEMP1) (MINUS CURLNK) -1)))
    (IF (LS CURPNT BPC) (GO MORE)))) 0020900
  (FUNCTION (MRKPDL NOVALUE) 0021000
  (X) 0021100
  (BLOCK NIL (IF (GQ (SET X (CORE X)) 1Q6) 0021200
    (BLOCK NIL (MARKIT (LEFTX X))
      (IF (INQ (BIT 18 6 X) 0) (MARKIT (ONEMOR (RIGHTX X)))))) 0021300
    (BLOCK NIL (IF (GQ X ARO)
      (GC FIX) 0021400
      (LS X TRC) 0021500
      (GC OUT) 0021600
      (LS X TRP) 0021700
      (IF (EQUAL (PREFIX (ONEMOR X)) 12Q) (SET X (ONEMOR X))) 0021800
      (GO OUT)) FIX (MARKIT X) OUT)))) 0021900
  (FUNCTION (MARKIT NOVALUE) 0022000
  ((X OCTAL)) 0022100
  (BLOCK NIL MORE (IF (LS X ARO) 0022200
    (IF (AND (LG TRC X) (LS X TRP) (MARKEM X)) 0022300
      (BLOCK NIL (SET X (MRKTRP X)) (GC MORE))) 0022400
    (AND (LS X LSC) (MARKEM X)) 0022500
    (IF (LS X LSP) 0022600
      (MRKARY X) 0022700
      (BLOCK NIL (MARKIT (BIT 24 18 (CORE X)))
        (SET X (BIT 0 18 (CORE X))) (GO MORE)))) OUT)) 0022800
  (FUNCTION MRKTRP (X) 0022900
  (BLOCK NIL (SET TEMP1 (CORE (ONELSS X))) 0023000
    (CASE (PLUS (PREFIX X) -6) 0023100
      (GO T7) (GO T10) (GO T11) (GO T12) (GO T13)) 0023200
    T7 (IF (INQ (WORDAND (CORE X) 4Q6) 0) 0023300
      (SET (CORE TEMP1) (WORDOR (CORE TEMP1) 4Q7))) 0023400
    (RETURN (RIGHT X)) 0023500
    T10 (RETURN (RIGHTX TEMP1)) 0023600
    T12 (CASE (CNEMOR (RSHIFT (SET TEMP2 (CHEKUP (CORE (ONEMCR X)))) 0023700
      3)) (GO X0) (GO X11) (GO XX) (GO X11) (GO X4) (GO X11)) 0023800
    X0 (IF (EQUAL TEMP2 0) (LABEL XX (MARKIT TEMP1))) 0023900
    (GO T13) 0024000
    X4 (IF (EQUAL (BIT 42 6 TEMP1) 0) 0024100
      (MARKIT (LEFTX TEMP1))) 0024200
    (BLOCK NIL (IF (EQUAL (WORDAND TEMP1 1Q15) 0) 0024300
      (MARKIT (LEFTX TEMP1)) (GO T13))) 0024400
    X5 (IF (MARKEM (SET TEMP1 (ONEMCR (RIGHT (ONELSS X)))))) 0024500
      (MARKIT (MRKTRP TEMP1))) 0024600
    (GO T13) 0024700
    T11 (IF (EQUAL (BIT 42 6 (SET TEMP2 (CORE (ONEMCR X)))) 1) 0024800
      (MARKEM (LEFTX TEMP2))) 0024900
    (GO T13) 0025000
    T11 (IF (EQUAL (BIT 42 6 (SET TEMP2 (CORE (ONEMCR X)))) 1) 0025100
      (MARKEM (LEFTX TEMP2))) 0025200
  
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(EQ (BIT 42 6 TEMP2) 2) (MARKIT (LEFTX TEMP2)))	0025300
X11 (IF (NG (SET TEMP2 (LEFTX TEMP1)) 0)	0025400
(IF (MARKEK TEMP2) (MRKARY TEMP2))	0025500
(LS TEMP1 TRP)	0025600
(IF (MARKEK (SET TEMP1 (ONEMOR TEMP1)))	0025700
(MARKIT (MRKTRP TEMP1)))) T13 (RETURN (LEFT X)))	0025800
(FUNCTION CHEKUP (X)	0025900
(BLOCK NIL (IF (GR (SET TEMP2 (BIT 42 6 X)) 2) (RETURN TEMP2))	0026000
(CASE (ONEMOR TEMP2) (GO T0) (GC T1) (GO T2))	0026100
T0 (RETURN (BIT 18 6 X))	0026200
T1 (SET (CCRE TEMP2) (WORDOR (CCRE (SET TEMP2 (LEFTX X))) 4Q7))	0026300
(RETURN (PREFIX (ONEMOR TEMP2))))	0026400
T2 (BLCK ((Y TEMP1))	0026500
(MARKIT (MRKTRP (LEFTX X)))	0026600
(SET TEMP1 Y) (RETURN (CHEKUP (CORE (ONEMCR (LEFTX X)))))))	0026700
(FUNCTION (MRKARY NOVALUE)	0026800
(X)	0026900
(BLOCK (Y Z)	0027000
(SET ARYCNT (PLUS ARYCNT (LEFT X)))	0027100
(SET Y (ONEMCR X))	0027200
(SET Z (PLUS X (LEFT X)))	0027300
(CASE (ONEMCR (WORDAND (PREFIX X) 7Q))	0027400
(GO T0) (GO TX) (GC TX) (GO TX) (GO TX) (GO T5) (GO TX))	0027500
T0 (FOR Y (RESET Y (PLUS Y 1))	0027600
(WHILE (NG Y Z)) (MARKIT (RIGHT Y)))	0027700
(GO TX)	0027800
T5 (FOR Y (RESET Y (PLUS Y 1))	0027900
(WHILE (NG Y Z))	0028000
(BLOCK NIL (MARKIT (LEFT Y)) (MARKIT (ONEMOR (RIGHT Y)))) TX))	0028100
(RCUTINE (MARKEK BOOLEAN)	0028200
((X OCTAL))	0028300
(IF (NOT (MARKED X))	0028400
(02B. (SET (CORE X) (WORDOR (CORE X) 4Q7))) FALSE))	0028500
(FUNCTION (MRKCHR NOVALUE)	0028600
NIL (BLCK ((X CHO))	0028700
(FOR X (RESET X (PLUS X 1))	0028800
(WHILE (NG X TRC)) (MARKIT (RIGHT X))))	0028900
(FUNCTION (MRKTSP NOVALUE)	0029000
NIL (BLCK ((X (ONEMCR TRC)))	0029100
(FOR X (RESET X (PLUS X 3))	0029200
(WHILE (LS X TRP))	0029300
(IF (NOT (MARKED X))	0029400
(IF (NG (RIGHT X) 0)	0029500
(LABEL GETUM (BLOCK NIL (SET (CORE X) (WORDOR (CORE X) 4Q7))	0029600
(MARKIT (MRKTRP X))))	0029700
(BLCK NIL (CASE (PLUS (PREFIX X) -6)	0029800
(GO T7) (GO TS) (GO TX) (GC TX) (GO TS))	0029900
T7 (IF (NG (LEFT (ONEMOR X)) 0) (GO GETUM))	0030000
(GC TS)	0030100
TX (IF (NG (WORDAND (CORE X) 1Q7) 0) (GO GETUM)) TS))))))	0030200
(FUNCTION (PRUNVF NOVALUE)	0030300
NIL (BLCK NIL (FOR A (RESET CHO (PLUS A 1))	0030400
(WHILE (NG A TRC)) (IF (NG A (LEFT A)) (PRUNIT A)))	0030500
(FOR A (RESET (PLUS TRC 1) (PLUS A 3))	0030600
(WHILE (LS A TRP))	0030700
(IF (EQUAL (PREFIX A) 7Q)	0030800
(IF (MARKED A)	0030900
(IF (NG A (LEFT A)) (PRUNIT A))	0031000
(IF (NOT (OR (EQUAL A (LEFT A)) (EQUAL A (PRUNIT A))))	0031100
(MARKIT A))))))	0031200
(RCUTINE PRUNIT (X)	0031300
(BLOCK NIL (SET TEMP1 (LEFT X))	0031400
(SET TEMP2 (CODE (LDA TEMP1 (R L567.7))))	0031500

(SET TEMP3 TEMP1)	0031600
AGAIN (SET TEMP4 (CNEMCR TEMP3))	0031700
(IF (MARKED TEMP3)	0031800
(SET TEMP2 TEMP4) (SET (RIGHT TEMP2) (RIGHT TEMP4)))	0031900
(IF (NQ X (SET TEMP3 (RIGHT TEMP4))) (GO AGAIN))	0032000
(RETURN (SET (LEFT X) TEMP1))))	0032100
(RCUTINE (PRUNCB NOVALUE)	0032200
NIL (BLCK NIL (SET A (CNEMOR (S2C. OBLIST))))	0032300
(SET B (PLUS A 125))	0032400
(FOR A (RESET A (PLUS A 1))	0032500
(WHILE (NQ A B))	0032600
(BLOCK NIL (SET Z (CORE (SET C A))))	0032700
MORE (IF (NQ (SET X Z) 0)	0032800
(BLCK NIL (SET Z (RIGHT (SET Y (ONEMOR X))))))	0032900
(IF (MARKED X) (SET C Y) (SET (RIGHT C) Z)) (GO MORE))))))	0033000
(RCUTINE (PKTSP NOVALUE)	0033100
NIL (BLOCK ((X CCTAL (PLUS TRP -2)))	0033200
(FOR X (STEP X -3)	0033300
(WHILE (NCT (MARKED X)))	0033400
(BLOCK NIL (SET TRP (PLUS TRP -3)) (ADPDOK -3)))	0033500
(SET TRPCNT 0)	0033600
(SET TRL 0)	0033700
(FOR X (STEP X -3 LS TRL)	0033800
(IF (MARKED X)	0033900
(UNMARK X)	0034000
(BLOCK NIL (SET (CORE (PLUS X -1)) 0)	0034100
(SET (CCRE X) 1Q14)	0034200
(SET (CCRE (PLUS X 1)) TRL)	0034300
(SET TRL X) (SET TRPCNT (PLUS TRPCNT 1))))))	0034400
(RCUTINE (PKFREE NOVALUE)	0034500
NIL (BLOCK NIL (FOR X (RESET (ONELESS LSO) (PLUS X -1))	0034600
(WHILE (GQ X LSP))	0034700
(BLOCK NIL (IF (NOT (MARKED X))	0034800
(BLCK NIL (FOR LSP (RESET LSP (PLUS LSP 1))	0034900
(WHILE (GQ X LSP))	0035000
(IF (MARKED (LSP . SYS))	0035100
(BLOCK NIL (UNMARK (LSP . SYS))	0035200
(SET (CCRE X) (CORE LSP))	0035300
(SET (CCRE LSP) X) (SET LSP (ONEMOR LSP)) (GO MORE))))	0035400
(GC OUT) (UNMARK X) MORE)) OUT))	0035500
(RCUTINE (RELBPS NOVALUE)	0035600
NIL (CRG NIL (BLOCK NIL (SET X BPO))	0035700
MORE (SET Y (LEFT X))	0035800
(IF (NQ (WORDAND (CORE X) 4Q15) 0)	0035900
(BLOCK NIL (IF (NQ (WORDAND (CORE (SET Z (RIGHT X))) 1Q15) 0)	0036000
(SET (LEFT Z) BPSORG) (SET (RIGHT Z) BPSORG))	0036100
(SET BPSORG (PLUS BPSORG Y))))	0036200
(IF (NQ (SET X (PLUS X Y)) BPP) (GO MCRE))))	0036300
(RCUTINE (RELARY NOVALUE)	0036400
NIL (BLCK NIL (SET X ARO))	0036500
(SET Z ARYCRG)	0036600
MORE (SET Y (LEFT X))	0036700
(IF (MARKED X) (BLOCK NIL (SET (RIGHT X) Z) (SET Z (PLUS Z Y))))	0036800
(IF (NQ (SET X (PLUS X Y)) ARP) (GC MORE))))	0036900
(RCUTINE (FIXIT NOVALUE)	0037000
(X)	0037100
(CRG NIL (IF (LS (SET TEMP1 (CORE X)) 1Q6)	0037200
(SET (CORE X) (RELCC TEMP1))	0037300
(NQ (BIT 18 6 TEMP1) 0)	0037400
(SET (LEFT X) (RELCC (LEFTX TEMP1))))	0037500
(BLOCK NIL (SET TEMP1 (PLUS (RIGHTX TEMP1)	0037600
(MINUS (SET TEMP2 (LEFTX TEMP1))))))	0037700
(SET (LEFTX TEMP2) (SET TEMP2 (RELOC TEMP2))))	0037800

(SET (CORE X) (PLUS TEMP1 TEMP2)))))	0037900
(RCUTINE RELCC (X)	0038000
(CRG NIL (IF (OR (LS X TRP) (GQ X LSO))	0038100
X (GQ X ARP)	0038200
(PLUS (IF (GQ X LSP) X (CORE X)) FREREL)	0038300
(GQ X ARO) (RIGHT X) (LS X BPC) (PLUS X PCLREL) X)))	0038400
(RCUTINE (FXTSP NOVALUE)	0038500
NIL (BLCCK NIL (FOR X (RESET CHC (PLUS X 1))	0038600
(WHILE (NQ X TRO)) (SET (RIGHT X) (RELOC (RIGHT X))))	0038700
(FOR X (RESET (PLUS TRO 1) (PLUS X 3))	0038800
(WHILE (LS X TRP))	0038900
(BLOCK NIL (SET Y (CNELSS X))	0039000
(CASE (PLUS (PREFIX X) -6)	0039100
(GO T7) (GO T10) (GO T11) (GO T12) (GO T13))	0039200
T7 (IF (NQ (WORDAND (CORE X) 4Q6) 0)	0039300
(SET (RIGHT Y) (RIGHT (RIGHT Y))))	0039400
(SET Y X)	0039500
T10 (SET (RIGHT Y) (RELOC (RIGHT Y)))	0039600
(GO T13)	0039700
T12 (IF (EQUAL (SET TEMP1 (FXTYPE (ONEMOR X))) 45Q)	0039800
(BLCCK NIL (IF (EQUAL (WORDAND (SET TEMP1 (CORE Y)) 1Q15) 0)	0039900
(SET (LEFT Y) (RELOC (LEFTX TEMP1)))) (GO T13))	0040000
(GR TEMP1 4) (GO X12) (EQUAL TEMP1 0) (GO T10))	0040100
(GO T13)	0040200
T11 (IF (EQUAL (PREFIX (SET TEMP1 (ONEMOR X))) 1)	0040300
(SET (LEFT TEMP1) (RIGHT (LEFT TEMP1))))	0040400
X12 (FIXIT Y) T13))))	0040500
(RCUTINE FXTYPE (X)	0040600
(BLOCK NIL (IF (GR (SET TEMP1 (PREFIX X)) 2) (GO TX))	0040700
(CASE (ONEMCR TEMP1) (GO TO) (GO T1) (GO T2))	0040800
T2 (RETURN (FXTYPE (CNEMOR (LEFT X))))	0040900
TO (RETURN (TAG X))	0041000
T1 (SET TEMP1 (PREFIX (ONEMOR (SET TEMP2 (LEFT X)))))	0041100
(SET (LEFT X) (RIGHT TEMP2)) TX (RETURN TEMP1)))	0041200
(RCUTINE (FXARY NOVALUE)	0041300
NIL (BLCCK NIL (SET X ARO)	0041400
MORE (SET Y (LEFT X))	0041500
(IF (MARKED X)	0041600
(BLOCK NIL (CASE (CNEMOR (WORDAND (PREFIX X) 7))	0041700
(GO OK) (GO TX) (GO TX) (GO TX) (GO TX) (GO OK) (GO TX))	0041800
OK (SET B (PLUS X Y))	0041900
(FOR A (RESET (PLUS X 1) (PLUS A 1))	0042000
(WHILE (NQ A B)) (FIXIT A) TX))	0042100
(IF (NQ (SET X (PLUS X Y)) ARP) (GO MORE))))	0042200
(RCUTINE (FXFREE NOVALUE)	0042300
NIL (BLCCK NIL (FOR X (RESET LSP (PLUS X 1))	0042400
(WHILE (NQ X LSO))	0042500
(BLOCK NIL (SET (LEFT X) (RELCC (LEFT X))))	0042600
(SET (RIGHT X) (RELOC (RIGHT X))))))	0042700
(RCUTINE (FXBPS NOVALUE)	0042800
NIL (CRG NIL (BLOCK NIL (SET TEMP1 BPO)	0042900
MORE (SET TEMP2 (LEFT TEMP1))	0043000
(IF (NQ (WORDAND (CORE TEMP1) 4Q15) 0) (FXFN TEMP1 FALSE))	0043100
(IF (NQ (SET TEMP1 (PLUS TEMP1 TEMP2)) BPP) (GO MORE))))	0043200
(RCUTINE (FXFN NCVALUE)	0043300
((Y OCTAL) (BCOL BOOLEAN))	0043400
(CRG NIL (BLOCK NIL (SET Z (PLUS Y (LEFT Y) -1))	0043500
(SET X (RIGHT Y))	0043600
(SET C (PLUS (IF (NQ (WORDAND (CORE X) 1Q15) 0)	0043700
(LEFT X) (RIGHT X)) (MINUS Y) -1))	0043800
MORE (SET B (CORE Z))	0043900
(FOR A (RESET 0 (PLUS A 1))	0044000
(WHILE (NQ A 24))	0044100

(BLOCK NIL (IF (GQ Y Z)	0044200
(GC OUT)	0044300
(NQ (WORDAND B 4Q15) 0)	0044400
(IF (LS (SET D (LEFT Y)) TRP)	0044500
(IF BCCL (FXRUB D))	0044600
(IF (NOT BOOL) (SET (LEFT Y) (PLUS C D))))	0044700
(IF (NQ (WORDAND B 2Q15) 0)	0044800
(IF (LS (SET D (RIGHT Y)) TRP)	0044900
(IF BCCL (FXRUB D))	0045000
(IF (NOT BOOL) (SET (RIGHT Y) (PLUS C D))))	0045100
(SET Y (CNEMOR Y)) (SET B (LSHIFT B 2)))	0045200
(SET Z (ONELSS Z)) (GO MORE) OUT))	0045300
(RCUTINE PACKIT (W X Y Z)	0045400
(CRG NIL (BLOCK NIL (SET BOOL (NQ X Z))	0045500
AGAIN (SET A (PLUS X (LEFT X)))	0045600
(IF (NQ (WORDAND (CORE X) W) 0)	0045700
(IF BOOL (BLCK NIL (UNMARK X)	0045800
MORE (SET (CORE Z) (CORE X))	0045900
(SET Z (CNEMOR Z)) (IF (NQ (SET X (ONEMOR X)) A) (GO MORE)))	0046000
(BLOCK NIL (UNMARK X) (SET X (SET Z A))))	0046100
(SET BOOL (02B. (SET X A))))	0046200
(IF (NQ X Y) (GO AGAIN)) (RETURN Z))))	0046300

****END OF FILE DETECTED

(INDEXD (SECTION LISP SYMBOL))	0000100
(FUNCTION (ERROR SYMBOL) ((M SYMBOL)))	0000200
(FUNCTION (EXIT SYMBOL) ((M SYMBOL)))	0000300
(FUNCTION (LAP SYMBOL) ((X SYMBOL) (Y SYMBOL) (Z SYMBOL)))	0000400
(DECLARE TTY. DISC. TAPE. CORE. CRT. (SKIPR. INTEGER OWN))	0000500
(SKIPP. INTEGER OWN)	0000600
(WEOF. INTEGER CWN)	0000700
(WEOT. INTEGER CWN)	0000800
(REWIND. INTEGER OWN)	0000900
(BACKR. INTEGER OWN) (BACKF. INTEGER OWN) (KEY. INTEGER OWN))	0001000
(FUNCTION (PRETTYP SYMBOL) ((S SYMBOL)))	0001100
(FUNCTION (OPEN SYMBOL) ((FN SYMBOL) (DL SYMBOL)))	0001200
(FUNCTION (SHUT SYMBOL) ((FN SYMBOL) (DL SYMBOL)))	0001300
(FUNCTION (POSITION SYMBOL) ((FN SYMBOL) (DL INTEGER)))	0001400
(FUNCTION (INPUT SYMBOL) ((X SYMBOL)))	0001500
(FUNCTION (OUTPUT SYMBOL) ((X SYMBOL)))	0001600
(FUNCTION (READ SYMBOL) NIL)	0001700
(FUNCTION (PRINT SYMBOL) ((X SYMBOL)))	0001800
(FUNCTION (PRIN SYMBOL) ((X SYMBOL)))	0001900
(FUNCTION (PRINO SYMBOL) ((X SYMBOL)))	0002000
(FUNCTION (PRINATOM SYMBOL) ((X SYMBOL)))	0002100
(FUNCTION (PRINTKEN SYMBOL) ((X SYMBOL)) (PRINATOM X))	0002200
(FUNCTION (PRINSTRING SYMBOL) ((X SYMBOL)))	0002300
(FUNCTION (SYMPRINT SYMBOL) ((X SYMBOL)))	0002400
(FUNCTION (SYMPRIN SYMBOL) ((X SYMBOL)))	0002500
(FUNCTION (PRINCH SYMBOL) ((X SYMBOL)))	0002600
(FUNCTION (READCF SYMBOL) NIL)	0002700
(FUNCTION (PRINWC RD OCTAL) ((X OCTAL)))	0002800
(FUNCTION (READWC RD OCTAL) NIL)	0002900
(FUNCTION (ENDIN NOVALUE) NIL)	0003000
(FUNCTION (ENDINR NOVALUE) NIL)	0003100
(FUNCTION (ENDCUT NOVALUE) NIL)	0003200
(FUNCTION (ENDCUTR NOVALUE) NIL)	0003300
(FUNCTION (ENDINF NOVALUE) NIL)	0003400
(FUNCTION (ENDCUTP NOVALUE) NIL)	0003500
(FUNCTION (NCP NCVALUE) NIL)	0003600
(FUNCTION (NILF SYMBOL) NIL)	0003700
(RCUTINE (CLEAR NOVALUE) ((FN SYMBOL)))	0003800
(FUNCTION (ARREAD SYMBOL) NIL)	0003900
(RCUTINE GETCHAR ((A (ARRAY OCTAL)) (N INTEGER)))	0004000
(SECTION SYS SYMBOL)	0004100
(FUNCTION MESSAGE (A))	0004200
(FUNCTION (FNTRAP NOVALUE) NIL)	0004300
(FUNCTION (FMTRAP NOVALUE) NIL)	0004400
(FUNCTION (RECLAIM INTEGER) ((I INTEGER)))	0004500
(FUNCTION ((FVLIS1 . COMPILE) SYMBOL) (ARG))	0004600
(SECTION IC SYMBOL)	0004700
(DECLARE (XXSAVE SYMBOL FLUID LOC))	0004800
(DECLARE (XXFUNC (FUNCTIONAL SYMBOL) FLUID LOC)))	0004900
(MACRO1 (SECTION SYS SYMBOL))	0005000
DEFINE (((WDPART (LAMBDA (A B S M)	0005100
(List (QUOTE BIT))	0005200
A B (COND (M (CADR S))	0005300
(T (CONS (QUOTE CORE) (CDR S))))))))	0005400
MACRO1 (((ARSIZE (LAMBDA (S) (CONS (QUOTE LEFTAD) (CDR S))))	0005500
(PREFIX (LAMBDA (S) (WDPART 42 6 S NIL))))	0005600
(PREFIM (LAMBDA (S) (WCPART 42 6 S T))))	0005700
(TAG (LAMBDA (S) (WDPART 18 6 S NIL))))	0005800
(TAGIM (LAMBDA (S) (WDPART 18 6 S T))))	0005900
(LEFTAD (LAMBDA (S) (WCPART 24 18 S NIL))))	0006000
(LEFTIM (LAMBDA (S) (WCPART 24 18 S T))))	0006100
(RGHTAD (LAMBDA (S) (WDPART 0 18 S NIL))))	0006200
(RGHTIM (LAMBDA (S) (WDPART 0 18 S T))))	0006300

(WORD1 (LAMBDA (S)	0006400
(List (QUOTE CORE)	0006500
(List (QUOTE I20.) (List (QUOTE PLUS) (CADR S) -1))))	0006600
(WORD2 (LAMBDA (S) (CONS (QUOTE CORE) (CDR S))))	0006700
(WORD3 (LAMBDA (S)	0006800
(List (QUOTE CORE)	0006900
(List (QUOTE I20.) (List (QUOTE PLUS) (CADR S) 1))))	0007000
(LINK (LAMBDA (S)	0007100
(List (QUOTE RGHTIM) (CONS (QUOTE WORD3) (CDR S))))	0007200
(PNAME (LAMBDA (S)	0007300
(List (QUOTE RGHTIM) (CONS (QUOTE WORD1) (CDR S))))	0007400
(CORES (LAMBDA (S)	0007500
(List (QUOTE CORE) (CONS (QUOTE S20.) (CDR S))))	0007600
(CHAIN (LAMBDA (S)	0007700
(List (QUOTE LEFTIM) (CONS (QUOTE WORD2) (CDR S))))	0007800
(CHAINS (LAMBDA (S)	0007900
(List (QUOTE LEFTIM) (CONS (QUOTE CORES) (CDR S))))	0008000
(VCOUNT (LAMBDA (S) (WDPART 0 18 S NIL)))	0008100
(TCODE (LAMBDA (S)	0008200
(WDPART 18 3C (List (CAR S) (CENS (QUOTE WORD3) (CDR S))) T)))	0008300
(TCODES (LAMBDA (S)	0008400
(List (QUOTE TCODE) (CONS (QUOTE S20.) (CDR S))))	0008500
(XMFFLAG (LAMBDA (S) (WDPART 22 1 5 NIL))))	0008600
(BCUNDS (SECTION SYS OCTAL)	0008700
(DECLARE (TRL CCTAL OWN)	0008800
(FPO OCTAL CWN)	0008900
(FPP OCTAL CWN)	0009000
(CHO OCTAL CWN)	0009100
(TRO OCTAL CWN)	0009200
(TRP OCTAL CWN)	0009300
(TRM OCTAL CWN)	0009400
(BPO OCTAL CWN)	0009500
(BPP OCTAL CWN)	0009600
(ARO OCTAL CWN)	0009700
(ARP OCTAL CWN)	0009800
(LSP OCTAL CWN) (LSC OCTAL OWN) (DELTRM OCTAL OWN))	0009900
(PRECS (SECTION (LISP SYS) SYMBOL)	0010000
(RCUTINE (NORMSP BOOLEAN)	0010100
((S SYMBOL)) (EQ (BIT 21 1 (WORD2 (S20. S))) 0Q))	0010200
(RCUTINE (ARRAYP BOOLEAN)	0010300
((S SYMBOL))	0010400
(AND ((ARSPAC . SYS) S) (EQ (BIT 3 3 (PREFIX (S20. S))) 2)))	0010500
(RCUTINE (NUMBP BOOLEAN)	0010600
((S SYMBOL))	0010700
(CR (GQ (S20. S) 2Q5)	0010800
(AND ((ARSPAC . SYS) S)	0010900
(LS (PREFIX (S20. S)) 5) (GQ (PREFIX (S20. S)) 2)))	0011000
(RCUTINE (OCTALP BOOLEAN)	0011100
((S SYMBOL))	0011200
(CR (AND (GQ (S20. S) 2Q5) (LS (S20. S) 4Q5))	0011300
(AND ((ARSPAC . SYS) S) (EQ (PREFIX (S20. S)) 2))))	0011400
(RCUTINE (INTP BCOLEAN)	0011500
((S SYMBOL))	0011600
(CR (GQ (S20. S) 4Q5)	0011700
(AND ((ARSPAC . SYS) S) (EQ (PREFIX (S20. S)) 3))))	0011800
(RCUTINE (REALP BCOLEAN)	0011900
((S SYMBOL)) (AND ((ARSPAC . SYS) S) (EQ (PREFIX (S20. S)) 4)))	0012000
(RCUTINE (FORMALP BCOLEAN)	0012100
((S SYMBOL)) (AND ((ARSPAC . SYS) S) (EQ (PREFIX (S20. S)) 5)))	0012200
(RCUTINE (CWNP BCOLEAN)	0012300
((S SYMBOL)) (AND ((TRSPAC . SYS) S) (EQ (PREFIX (S20. S)) 12Q)))	0012400
(RCUTINE (FLLIOP BCOLEAN)	0012500
((S SYMBOL)) (AND ((TRSPAC . SYS) S) (EQ (PREFIX (S20. S)) 11Q)))	0012600

(RCUTINE (FIXP BCOLEAN))	0012700
((S SYMBOL))	0012800
(CR (GQ (S2C. S) 2Q5))	0012900
((AND ((ARSPAC . SYS) S))	0013000
((OR (EQ (PREFIX (S2C. S)) 2) (EQ (PREFIX (S20. S)) 3))))	0013100
(RCUTINE (IDP BCOLEAN))	0013200
((S SYMBOL))	0013300
(CR (AND ((TRSPAC . SYS) S) (EQ (PREFIX (S20. S)) 7)) (CHARP S)))	0013400
(RCUTINE (STRINGP BCOLEAN))	0013500
((S SYMBOL)) (AND ((ARSPAC . SYS) S) (EQ (PREFIX (S20. S)) 6)))	0013600
(RCUTINE (LISTP BCOLEAN))	0013700
((X SYMBOL))	0013800
(BLOCK NIL LLOOP (IF (ATCM X) (RETURN (NULL X)))	0013900
((SET X (CDR X)) (GO LLOOP)))	0014000
(RCUTINE (ATCM BCOLEAN))	0014100
((S SYMBOL)) (OR (LS (S20. S) LSP) (GQ (S20. S) LSO)))	0014200
(RCUTINE (GENICP BCOLEAN))	0014300
((S SYMBOL)) (AND (ICP S) (EQ (BIT 18 1 (WORD2 (S20. S))) 1)))	0014400
(RCUTINE (CHARP BCOLEAN))	0014500
((S SYMBOL)) (AND (LS (S20. S) TRC) (GQ (S20. S) CHC)))	0014600
(RCUTINE (BOCLP BCOLEAN)) ((S SYMBOL)) (LS (S20. S) 2)))	0014700
(EQUALS (SECTION SYS SYMBOL))	0014800
(FUNCTION (EQUAL. BCOLEAN))	0014900
((A SYMBOL) (B SYMBOL)) (EQL. A B TRUE))	0015000
(FUNCTION (EQUALN. BCOLEAN))	0015100
((A SYMBOL) (B SYMBOL)) (EQL. A B NIL))	0015200
(FUNCTION (EQL. BCOLEAN))	0015300
((A (ARRAY CCTAL)) (B (ARRAY OCTAL)) (FN BCOLEAN))	0015400
(BLOCK NIL (IF (EQN A B) (LABEL LIVE (RETURN TRUE))))	0015500
(BLOCK ((BA BCOLEAN (ATOM B))))	0015600
((IF (ATCM A) (IF BA (GO AT) (GC DIE)) BA (GO DIE)))	0015700
(RETURN (AND (EQL. (CAR A) (CAR B) FN)	0015800
((EQL. (CDR A) (CDR B) FN)))	0015900
AT (IF (OR (LS (S20. A) TRP) (LS (S20. B) TRP)) (GO DIE))	0016000
(IF (AND FN (NLMBP A) (NUMBP B))	0016100
(BLOCK ((BR BCOLEAN (REALP B))))	0016200
((IF (REALP A)	0016300
((IF (NOT BR) (SET B (FLOAT B))))	0016400
BR (SET A (FLOAT A))	0016500
(BLOCK ((BS BCOLEAN (SPACEP. B))))	0016600
((IF (SPACEP. A) (IF BS (GO AR) (GO DIE)) BS (GO DIE))	0016700
((RETURN (EC (WORDXCR (S20. A) (S20. B)) 4Q5)))) (GO AR)))	0016800
((IF (NCT (AND (SPACEP. A) (SPACEP. B)))	0016900
((LABEL DIE (RETURN FALSE)))	0017000
AR (BLCK ((C CCTAL (BIT 24 24 (CORES A)))	0017100
((D OCTAL (BIT 24 24 (CORES B))))	0017200
((IF (CR (AND (NOT FN) (NQ C D))	0017300
((NQ (WORDAND (WORDXOR C D) 20777777Q) 0)) (GO DIE))	0017400
(BLOCK ((U CCTAL (BIT 18 3 C))	0017500
((V CCTAL (BIT 18 3 D)) (FLAG BCOLEAN NIL))	0017600
((SET C (PLUS (BIT 0 18 C) -1))	0017700
TNQ (CASE (PLUS U 1))	0017800
((CASE (PLUS V 1))	0017900
((GC SS) (GC CA) (GC SI) (GC SI) (GO SR) (GO DIE))	0018000
((IF (EQ V 1) (GO CA) (GO XCH)))	0018100
((CASE (PLUS V -1) (GO CA) (GC DI) (GO OR) (GO XCH)))	0018200
((CASE (PLUS V -2) (GO II) (GC OR) (GO XCH)))	0018300
((IF (EQ V 4C) (GO II) (GO XCH)))	0018400
((IF (EQ V 5C) (GO FF) (GO XCH)))	0018500
((IF (EQ V 6C) (GO CA) (GO DIE)))	0018600
XCH (IF (NCT (SET FLAG (NOT FLAG))) (GO DIE))	0018700
((CODE (LDA U) (ECH V) (STF U) (LDA A) (ECH B) (STF A))	0018800
((GO TNQ))	0018900

CA (FCR C (STEP C -1 EQ 0) (IF (NQ (A C) (B C)) (GO DIE)))	0019000
(GO LIVE)	0019100
SS (FCR C (STEP C -1 EQ 0)	0019200
(IF (NOT (EQL. (O2S. (A C)) (C2S. (B C)) FN)) (GO DIE)))	0019300
(GO LIVE)	0019400
OI (IF (LS C 1) (GO LIVE))	0019500
II (FCR C (STEP C -1 EQ 0)	0019600
(IF (NOT (EQ (O2I. (A C)) (O2I. (B C)))) (GO DIE)))	0019700
(GO LIVE)	0019800
FF (FCR C (STEP C -1 EQ 0)	0019900
(IF (NOT (EQ (BIT 0 24 (A C)) (BIT 0 24 (B C)))) (GO DIE)))	0020000
(GO LIVE)	0020100
SI (FCR C (STEP C -1 EQ 0)	0020200
(IF (NOT (CR (AND (FIXP (O2S. (A C))	0020300
(EQ (SYM2INT (C2S. (A C)) (B C)))	0020400
(AND (REALP (C2S. (A C))	0020500
(EQ (CORE (PLUS (A C) 1)) (FLOAT (B C)))))) (GO DIE)))	0020600
(GO LIVE)	0020700
SR (FOR C (STEP C -1 EQ 0)	0020800
(IF (NOT (CR (AND (REALP (O2S. (A C))	0020900
(EQ (C2R. (CORE (PLUS (A C) 1)) (O2R. (B C))))	0021000
(AND (FIXP (O2S. (A C)) (EQ (O2S. (A C)) (O2R. (B C))))))	0021100
(GO DIE)))	0021200
(GO LIVE)	0021300
OR (FOR C (STEP C -1 EQ 0)	0021400
(IF (NOT (EQ (FLOAT (A C)) (C2R. (B C)))) (GO DIE)))	0021500
(GO LIVE))))	0021600
(ARRAYS (SECTION SYS SYMBOL)	0021700
(FUNCTION ((COPYARRAY . LISP) SYMBOL)	0021800
((A (ARRAY CCTAL)))	0021900
(BLOCK NIL (IF (OR (LS (S20. A) ARO) (GQ (S20. A) ARP))	0022000
(RETURN NIL))	0022100
(BLOCK ((I INTEGER (ARSIZE (S20. A))))	0022200
(BLOCK ((B (ARRAY CCTAL) (GETARRAY I)))	0022300
(FOR I (STEP (PLUS I -1) -1 LS 0) (SET (B I) (A I)))	0022400
(SET (RGHTAD (S20. B)) (S20. B)) (RETURN B))))	0022500
(FUNCTION ((CREATE . LISP) SYMBOL)	0022600
((N INTEGER) (TYPE SYMBOL) (VALUE SYMBOL))	0022700
(BLOCK ((S (ARRAY OCTAL) (GETARRAY (PLUS N 1))))	0022800
(P OCTAL 0)	0022900
(V OCTAL (IF VALUE (CONVRT TYPE VALUE) (DFINIT TYPE)))	0023000
(X SYMBOL (FINDN TYPE (QUOTE ((SYMBOL . 2Q1)	0023100
(CCTAL . 22Q)	0023200
(INTEGER . 23Q)	0023300
(REAL . 24Q) (FUNCTIONAL . 25Q) (BOOLEAN . 21Q))))))	0023400
(IF X (SET P (CDR X)) (ERRMSG TYPE TYPMSG))	0023500
(SET (PREFIX (S20. S)) P)	0023600
(IF (LS N 1) (GO R))	0023700
(FOR N (STEP N -1 LS 1) (SET (S N) V)) R (RETURN S))	0023800
(RCUTINE (ARSPAC BOOLEAN)	0023900
((S SYMBOL) (AND (GQ (S20. S) ARO) (LS (S20. S) ARP)))	0024000
(FUNCTION (GETARRAY SYMBOL)	0024100
((SIZE INTEGER))	0024200
(BLOCK ((X CCTAL ARP))	0024300
(IF (LS SIZE 1)	0024400
(RETURN NIL) (LS (SET ARP (I2C. (PLUS ARP SIZE))) LSP) (GO A))	0024500
(SET ARP X)	0024600
(RECLAIM SIZE)	0024700
(SET X ARP)	0024800
(SET ARP (I2C. (PLUS ARP SIZE))))	0024900
A (SET (CORE X) (WORDOR X (SHIFT SIZE 24) 22Q14)))	0025000
(RETURN (O2S. X))))	0025100
(RCUTINE ((TRUNC. . LISP) SYMBOL)	0025200

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((S SYMBOL) (N INTEGER)) 0025300
(IF (ARRAYP S) 0025400
(BLOCK ((Z INTEGER (ARSIZE (S20. S))) 0025500
(W OCTAL (I20. (PLUS (S20. S) (SET N (PLUS N 1))))))) 0025600
(BLOCK ((I INTEGER (PLUS Z (MINUS N)))) 0025700
(IF (NOT (GR Z N)) 0025800
(GO R) (NCT (LS (PLUS Z (S20. S)) ARP)) (GO B)) 0025900
(SET (CORE W) (WORDOR W (SHIFT (I20. I) 24) 22Q14)) 0026000
A (SET (ARSIZE (S20. S)) N) 0026100
R (RETURN S) B (SET ARP (PLUS ARP (MINUS I))) (GO A))) NIL)) 0026200
(FUNCTION ((SCCNCS . LISP) SYMBOL) 0026300
((A SYMBOL) (B SYMBOL)) (FCONC. A B NIL)) 0026400
(FUNCTION ((NCCNCS . LISP) SYMBOL) 0026500
((A SYMBOL) (B SYMBOL)) (FCONC. A B TRUE)) 0026600
(FUNCTION (FCONC. SYMBOL) 0026700
((A (ARRAY CCTAL)) (B (ARRAY OCTAL)) (FLAG BOOLEAN)) 0026800
(BLOCK ((S (ARRAY OCTAL) A) 0026900
(SA SYMBOL (STYPE A)) (SB SYMBOL (STYPE B))) 0027000
(IF A (IF B (GC TEST) FLAG (RETURN A) (GO COPY)) 0027100
B (LABEL BS (SET S B)) (RETURN NIL)) 0027200
COPY (SET S (CCPYARRAY S)) 0027300
R (RETURN S) 0027400
TEST (IF (INQ SA SB) 0027500
(ERRMSG (CCNS SA SB)
(QUOTE (DIFFERENT STRUCTURES. SCRNCS OR NCONCS)))) 0027600
(BLOCK ((C INTEGER (ARSIZE (S20. A))) 0027800
(D INTEGER (ARSIZE (S20. B)))) 0027900
(BLOCK ((Z INTEGER (PLUS C D -1))) 0028000
(IF (NOT (CR (STRINGP A) (ARRAYP A))) 0028100
(ERRMSG SA (QUOTE (NOT STRING OR ARRAY. SCONCS OR NCONCS))) 0028200
(EQ C 1) 0028300
(GO BS) (INQ D 1) (GC MERGE) FLAG (RETURN A) (GO COPY)) 0028400
MERGE (BLOCK ((I INTEGER (PLUS D -1)) 0028500
(E INTEGER) 0028600
(G INTEGER (SHIFT (TAG (S20. A)) 3)) 0028700
(H INTEGER (SHIFT (TAG (S20. B)) 3)) 0028800
(J OCTAL (I20. (PLUS (TAG (S20. A)) (TAG (S20. B)))))) 0028900
(IF (EQ G 0) (GO Z0) (NOT (GR (PLUS G H) WDSIZE)) (GO Z1)) 0029000
(SET J (I20. (PLUS J (MINUS (SHIFT WDSIZE -3))))) 0029100
(GO Z0) 0029200
Z1 (SET Z (PLUS Z -1)) 0029300
Z0 (IF (AND FLAG (EQ ARP (PLUS (S20. A) C))) (GO ES)) 0029400
(SET FLAG NIL) 0029500
(SET S (GETARRAY Z)) 0029600
(GO PR) 0029700
ES (IF (NCT (LS (SET E (PLUS (S20. A) Z)) LSP)) (GO AR)) 0029800
(SET ARP E) 0029900
SE (SET S A) 0030000
(GO PR) 0030100
AR (RECLAIM I) 0030200
(SET ARP (PLUS (S20. A) Z)) 0030300
(GO SE) 0030400
PR (SET (CORES S) (WORDOR (SHIFT (I20. Z) 24) (S20. S))) 0030500
(SET (PREFIX (S20. S)) (PREFIX (S20. B))) 0030600
(SET (TAG (S20. S)) J) 0030700
(IF (NOT FLAG) 0030800
(FCR E (STEP (PLUS C -1) -1 LS 1) (SET (S E) (A E)))) 0030900
(IF (CR (EQ G 0) (NCT (LS G WDSIZE))) (GO FILL)) 0031000
(SET H (MINUS G)) 0031100
(SET G (DIFFERENCE WDSIZE G)) 0031200
(FOR E (STEP (PLUS Z -1) -1 LS C) 0031300
(BLOCK NIL (SET I (PLUS I -1)) (SET (S E) (SHIFT (B I) G)))) 0031400
(SET E (PLUS Z -1)) 0031500

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(FOR I (STEP (PLUS D -1) -1 LS 1) 0031600
  (BLOCK NIL (SET (S E) (WORDCR (S E) (SHIFT (B I) H)))
    (SET E (PLUS E -1)))) 0031700
  (GO R) 0031800
  FILL (SET E Z) 0031900
  (FOR I (STEP I -1 LS 1) (SET (S (SET E (PLUS E -1))) (B I))) 0032000
  (GO R)))))) 0032100
  (LISTS (SECTION SYS SYMBCL) 0032200
  (FUNCTION CONS2 (A B) 0032300
  (BLOCK ((S SYMBCL (02S. (SET LSP (I20. (PLUS LSP -1))))))) 0032400
    (SET (CORE (S2C. S)) (S20. B))
    (SET (CAR S) A) (IF (NOT (LS ARP LSP)) (RECLAIM 1)) (RETURN S)) 0032500
  (FUNCTION CONS3 (A B C) (CONS A (CONS B C))) 0032600
  (FUNCTION CONS4 (A B C D) (CONS A (CONS B (CONS C D)))) 0032700
  (FUNCTION (LIST1 SYMBCL) ((X SYMBCL)) (CONS X NIL)) 0032800
  (FUNCTION (LIST2 SYMBCL) ((X SYMBCL) (Y SYMBCL)) (CONS X Y NIL)) 0032900
  (FUNCTION (LIST3 SYMBCL) ((X SYMBOL) (Y SYMBOL) (Z SYMBOL)) (CONS X Y Z NIL)) 0033000
  (FUNCTION (LIST4 SYMBCL) ((X SYMBOL) (Y SYMBOL) (Z SYMBOL) (W SYMBOL)) (CONS X Y Z W NIL)) 0033100
  (SECTION (LISP SYS FSM) SYMBOL) 0033200
  (FUNCTION LASTN ((I INTEGER) X) 0033300
  (BLOCK ((Y (FIRSTN I (SET X (DREVERSE X))))) 0033400
    (SET X (DREVERSE X)) (RETURN (DREVERSE Y))) 0033500
  (FUNCTION FIRSTN ((I INTEGER) X) 0033600
    (IF (OR (EQ I 0) (NULL X))
      NIL (CCNS (CAR X) (FIRSTN (DIFFERENCE I 1) (CDR X))))) 0033700
  (RCUTINE DREVERSE (L)
  (BLOCK (M)
    Z (IF (NULL L) (RETURN M)))
  (BLOCK ((N (CDR L))) (SET (CDR L) M) (SET M L) (SET L N)) 0033800
  (GO Z))) 0033900
  (FUNCTION ((EXPLCDE . LISP) SYMBCL) 0034000
  (IS (ARRAY CCTAL)))
  (BLOCK ((N INTEGER (STRINGL (IF (STRINGP S)
    S (SET S (TOSTRG S)))))) (R SYMBOL))
    (IF (LS N 1) (RETURN NIL))
    (FOR N (STEP N -1 LS 1) (SET R (CONS (GETCHAR S N) R)))
    (RETURN R))) 0034100
  (FUNCTION ((COMPRESS . LISP) SYMBCL) 0034200
  ((L SYMBOL)) 0034300
  (BLOCK NIL (FOR FSCHAR (IN L) (MAKEST))
    (SET FSCHAR NIL) (RETURN (MAKEST)))) 0034400
  (FUNCTION (REVERSE SYMBOL) 0034500
  ((L SYMBOL)))
  (BLOCK ((X SYMBCL) (M SYMBOL))
    (FOR X (IN L) (SET M (CONS X M))) (RETURN M))) 0034600
  (FUNCTION (LAST SYMBOL) 0034700
  ((L SYMBOL)))
  (BLOCK NIL A (IF (ATOM L)
    (RETURN L) (NULLL (CDR L)) (RETURN (CAR L)))
    (SET L (CDR L)) (GO A))) 0034800
  (FUNCTION (FIND SYMBOL) 0034900
  ((A SYMBOL) (B SYMBCL)))
  (BLOCK ((C SYMBCL))
    (FOR C (IN B)
      (IF (AND (NOT (ATOM C)) (EQUALN A (CAR C))) (RETURN C)))
      (RETURN NIL)))) 0035000
  (RCUTINE (FINDN SYMBOL) 0035100
  ((A SYMBOL) (B SYMBOL)))
  (BLOCK ((C SYMBCL))
    (FOR C (IN B)
      (IF (AND (NOT (ATOM C)) (EQN A (CAR C))) (RETURN C)))) 0035200
  0035300
  0035400
  0035500
  0035600
  0035700
  0035800
  0035900
  0036000
  0036100
  0036200
  0036300
  0036400
  0036500
  0036600
  0036700
  0036800
  0036900
  0037000
  0037100
  0037200
  0037300
  0037400
  0037500
  0037600
  0037700
  0037800

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(RETURN NIL))	0037900
(FUNCTION (MEMBER BOOLEAN)	0038000
((A SYMBOL) (B SYMBOL))	0038100
(BLOCK NIL L (IF (ATCM B)	0038200
(RETURN NIL) (EQUALN A (CAR B)) (RETURN TRUE))	0038300
(SET B (CDR B)) (GO L)))	0038400
(FUNCTION (MAPFN SYMBOL)	0038500
((L SYMBOL) (FN (FUNCTIONAL SYMBOL SYMBOL)))	0038600
(BLOCK ((X SYMBOL (LIST NIL)))	0038700
(BLOCK ((Y SYMBOL X) (Z SYMBOL))	0038800
A (IF (NULL (SET Z (FN L))) (GC D) (ATOM Z) (GO E))	0038900
(SET (CDR Y) Z)	0039000
B (IF (ATCM (CDR Z)) (GO C))	0039100
(SET Z (CDR Z))	0039200
(GO B)	0039300
C (SET Y Z)	0039400
D (IF (ATCM L) (LABEL E (RETURN (CDR X))))	0039500
(SET L (CDR L)) (GO A))))	0039600
(FUNCTION (MAPCAR SYMBOL)	0039700
((L SYMBOL) (FN (FUNCTIONAL SYMBOL SYMBOL)))	0039800
(MAPFN L (FUNARG SYMBOL ((J SYMBOL)))	0039900
(IF (ATOM J) NIL (LIST (FN (CAR J)))))	0040000
(FUNCTION (MAPLIST SYMBOL)	0040100
((L SYMBOL) (FN (FUNCTIONAL SYMBOL SYMBOL)))	0040200
(MAPFN L (FUNARG SYMBOL ((J SYMBOL)))	0040300
(IF (ATOM J) NIL (LIST (FN J)))))	0040400
(FUNCTION (MAP NCVALUE)	0040500
((L SYMBOL) (FN (FUNCTIONAL SYMBOL SYMBOL)))	0040600
(BLOCK ((J SYMBOL)) (FOR J (ON L) (FN J))))	0040700
(FUNCTION (APPEND SYMBOL)	0040800
((A SYMBOL) BBB8)	0040900
(MAPFN A (FUNARG SYMBOL ((J SYMBOL)))	0041000
(IF (ATOM J) BBB8 (LIST (CAR J)))))	0041100
(FUNCTION (NCONC SYMBOL)	0041200
(AAA8 BBB8)	0041300
(MAPFN (QUOTE (NIL))	0041400
(FUNARG SYMBOL ((J SYMBOL)) (IF (NULL J) BBB8 AAA8))))	0041500
(FUNCTION (DELETEL SYMBOL)	0041600
(AAA8 (B SYMBOL))	0041700
(MAPFN B (FUNARG SYMBOL ((J SYMBOL)))	0041800
(IF (CR (ATOM J) (MEMBER (CAR J) AAA8)) NIL (LIST (CAR J)))))	0041900
(FUNCTION (LENGTH INTEGER)	0042000
((L SYMBOL))	0042100
(BLOCK ((N INTEGER))	0042200
(FOR L (ON L) (SET N (PLUS N 1)) (RETURN N)))	0042300
(RCUTINE (NOFF SYMBOL)	0042400
((N INTEGER) (L SYMBOL))	0042500
(BLOCK NIL (FOR L (ON L) (WHILE (GR N 0)) (SET N (PLUS N -1))))	0042600
(RETURN L)))	0042700
(RCUTINE (MAX INTEGER)	0042800
((I INTEGER) (J INTEGER)) (IF (GR I J) I J))	0042900
(RCUTINE (MIN INTEGER)	0043000
((I INTEGER) (J INTEGER)) (IF (LS I J) I J))	0043100
(RCUTINE (MINR REAL) ((A REAL) (B REAL)) (IF (LS A B) A B))	0043200
(RCUTINE (MAXR REAL) ((A REAL) (B REAL)) (IF (GR A B) A B))	0043300
(FUNCTION (SUBST SYMBOL)	0043400
((X SYMBOL) (Y SYMBOL) (Z SYMBOL))	0043500
(IF (EQUALN Y Z)	0043600
X (ATOM Z) Z (CONS (SUBST X Y (CAR Z)) (SUBST X Y (CDR Z)))))	0043700
(STRING (SECTION (LISP SYS FSM) SYMBOL))	0043800
(FUNCTION (STRINGL INTEGER)	0043900
((S SYMBOL))	0044000
(IF (STRINGP S)	0044100

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(PLUS (TAG (S2C. S)) (TIMES (ARSIZE (S20. S)) 6) -12) 0044200
(ERRMSG S (QUOTE (NCT A STRING)))) 0044300
(SECTION (FSM SYS) SYMBOL) 0044400
(FUNCTION (MAKEST SYMBOL) 0044500
NIL (BLOCK ((ST SYMBCL)
(I OCTAL (I20. (PLUS 1 (TAG (S20. BASEST)))))) 0044600
(IF (NCT FSCHAR) (GC START)) 0044700
(BLOCK ((OCT OCTAL (CH2OCT FSCHAR)))
(CASE I (GC SC) (GC S1) (GO S2) (GO S3) (GO S4) (GO S5) (GO S6)) 0044800
SO (SET (BASEST 1) (SHIFT OCT 40)) 0044900
(GO R) 0045000
S1 (SET OCT (SHIFT OCT 32)) 0045100
S5 (SET (BASEST 1) (WCRDOR OCT (BASEST 1))) 0045200
R (SET (TAG (S20. BASEST)) I) 0045300
(RETURN NIL) 0045400
S2 (SET OCT (SHIFT OCT 24)) 0045500
(GO S5) 0045600
S3 (SET OCT (SHIFT OCT 16)) 0045700
(GO S5) 0045800
S4 (SET OCT (SHIFT OCT 8)) 0045900
(GO S5) 0046000
S6 (SET WCRKST (NCCNCS WORKST BASEST)) 0046100
(SET I 1Q) (GC SO)) 0046200
START (SET ST (NCCNCS WORKST BASEST)) 0046300
(SET WCRKST NIL) (SET (TAG (S20. BASEST)) 0Q) (RETURN ST))) 0046400
(FLNCTION ((TOSTRG . LISP) SYMBOL) 0046500
((S SYMBOL)) 0046600
(BLOCK NIL (IF (STRINGP S) 0046700
  (RETURN (COPYARRAY S))
  (CHARP S)) 0046800
  (GO CH)) 0046900
  (IDP S) 0047000
  (GO ID)) 0047100
  (NUMBP S)) 0047200
  (GO NL)) 0047300
  (BOOLP S)) 0047400
  (GO TR) (FORMALP S) (BLOCK NIL (SET S (QUOTE F.....)) (GC ID))) 0047500
  (NOT S)) 0047600
  (GO NL)) 0047700
  (GO NL)) 0047800
  (GO NL)) 0047900
  (GO TR) (FORMALP S) (BLOCK NIL (SET S (QUOTE F.....)) (GC ID))) 0048000
  (ERRMSG S (QUOTE (NCT A TOKEN)))) 0048100
CH (SET FSCHAR NIL) 0048200
(MAKEST) 0048300
(SET FSCHAR S) 0048400
(MAKEST) 0048500
R (SET FSCHAR NIL) 0048600
(RETURN (MAKEST)) 0048700
ID (IF (AND (GENIDP S) (EQ (WORD1 (S20. S)) 0Q)) 0048800
  (GENPNAME S)) 0048900
IDS (IF (EQ (BIT 2 1 (TAG (S20. S))) 0Q) 0049000
  (BLOCK ((A (ARRAY CCTAL) (GETARRAY 2))
  (B CCTAL (TAGIM (WORD3 (S20. S)))))) 0049100
  (SET (PREFIX (S20. A)) 6Q)) 0049200
  (IF (EQ B 0Q) (RETURN (TRUNC. A 0))) 0049300
  (SET (A 1) (WORD1 (S20. S)))) 0049400
  (SET (TAG (S20. A)) B) (RETURN A))) 0049500
  (SET (TAG (S20. A)) B) (RETURN A))) 0049600
  (RETURN (CCPYARRAY (C2S. (PNAME (S20. S)))))) 0049700
TR (SET S TRUE.) (GO IDS) NL (SET S NIL.) (GO IDS))) 0049800
(SECTION (SYS FSM LISP) SYMBOL) 0049900
(FUNCTION (NLMSR SYMBCL) 0050000
((X SYMBOL)) 0050100
(BLOCK ((I INTEGER))
(IF (INTP X)) 0050200
(BLOCK NIL (SET I X)) 0050300
(BLOCK NIL (SET I X)) 0050400

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A (IF (LS I C)
  (BLOCK NIL (SET FSCHAR (QUOTE '-))
    (MAKEST) (SET I (MINUS I))))) 0050500
  0050600
  0050700
  0050800
  0050900
  0051000
  0051100
  0051200
  0051300
  0051400
  0051500
  0051600
  0051700
  0051800
  0051900
  0052000
  0052100
  0052200
  0052300
  0052400
  0052500
  0052600
  0052700
  0052800
  0052900
  0053000
  0053100
  0053200
  0053300
  0053400
  0053500
  0053600
  0053700
  0053800
  0053900
  0054000
  0054100
  0054200
  0054300
  0054400
  0054500
  0054600
  0054700
  0054800
  0054900
  0055000
  0055100
  0055200
  0055300
  0055400
  0055500
  0055600
  0055700
  0055800
  0055900
  0056000
  0056100
  0056200
  0056300
  0056400
  0056500
  0056600
  0056700

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(REALP X)

(BLOCK ((X REAL X))

(IF (EQ X 0.0) (BLOCK NIL (STMAKE (QUOTE ('0 ' '0))) (GO E)))

(IF (LS X 0.0)

(BLOCK NIL (SET FSCHAR (QUOTE '-))

(MAKEST) (SET X (MINUS X))))

(BLOCK ((J INTEGER (PLUS (BIT 36 11 (R20. X)) -1025))

(M REAL))

(SET I (ENTIER (TIMES 0.3010299954 J))))

C (SET M (EXPT 10.0 (ABS I)))

(IF (GQ (SET M (IF (LS I 0)

(TIMES X M) (GR I 0) (QUOTIENT X M) X)) 10.0)

(SET I (PLUS I 1)) (LS M 1.0) (SET I (PLUS I -1)) (GC D))

(GC C)

D (BLOCK ((K SYMBOL NIL) (CARRY BOOLEAN FALSE))

(SET J 0)

(IF (LS I C) (GC G))

(IF (GR I 11) (SET X (QUOTIENT X (EXPT 10.0 (PLUS I -11)))))

(BLOCK ((XX INTEGER (ENTIER X)))

(SET M (TIMES 10.0 (DIFFERENCE X XX)))

LCOP (IF (EQ XX 0) (GO GG))

(SET K (CCNS (CCT2CH (WORDCR 6Q1 (REMAINDER XX 10))) K))

(SET J (PLUS J 1))

(SET XX (IQUOTIENT XX 10))

(GO LCCP) GG (SET K (DREVERSE K)))

G (FCR J (STEP J 1 EQ 12))

(BLOCK ((XX INTEGER (ENTIER M)))

(SET K (CONS (CCT2CH (WORDCR 6Q1 XX)) K))

(SET M (TIMES 10.0 (DIFFERENCE M XX)))))

(IF (GR M 5.0) (SET CARRY TRUE))

(BLOCK ((KK SYMBOL NIL) (EL SYMBOL))

(FOR EL (IN K)

(UNLESS (AND (EQN (IF (NOT CARRY)

EL (SET EL (IF (EQN EL (QUOTE '9))

(QUOTE '0)

(BLOCK NIL (SET CARRY FALSE)

(RETURN (CHEAT INTEGER SYMBOL (PLUS 1 (CHEAT SYMBOL

INTEGER EL))))))) (QUOTE '0)) (NOT KK)))

(SET KK (CCNS EL KK))) (SET K KK))

(IF (LQ (SET I (PLUS I 1)) 0) (GO S))

(SET FSCHAR (CAR K))

(MAKEST)

(SET K (CDR K))

(SET I (PLUS I -1))

S (SET FSCHAR (QUOTE '.'))

(MAKEST)

U (IF (NULL K)

(IF (EQ I 0)

(GO E) (BLOCK NIL (SET FSCHAR (QUOTE E)) (MAKEST) (GO A)))

(BLOCK NIL (SET FSCHAR (CAR K))

(MAKEST) (SET K (CDR K)) (GO U))))

(OCTALP X)

(BLOCK ((C CCTAL X))

(FOR I (STEP 15 -1 EQ 0)

(WHILE (EQ (BIT 45 3 Q) 0Q)) (SET Q (SHIFT Q 3)))

(FOR I (STEP I -1)

(BLOCK NIL (SET FSCHAR (OCT2CH (WORDOR 6Q1 (BIT 45 3 Q))))

(MAKEST)

(SET Q (SHIFT Q 3)))

(IF (AND (EQ Q 0) (OR (EQ I 0) (GR I 3))) (GO Q))))

Q (SET FSCHAR (QUOTE Q)) (MAKEST) (IF (EQ I 0) (GO E)))	0056800
I (BLOCK ((K SYMBOL NIL))	0056900
X (SET K (CONCS (OCT2CH (WORDOR 6Q1 (REMAINDER I 10))) K))	0057000
(SET I (IQUOTIENT I 10)) (IF (GR I 0) (GO X)) (STMAKE K))	0057100
E (SET FSCHAR NIL) (RETURN (MAKEST))))	0057200
(FUNCTION (STMAKE NOVALUE)	0057300
((A SYMBOL)) (FCR FSCHAR (IN A) (MAKEST)))	0057400
(DECNTS (SECTION SYS SYMBOL)	0057500
(DECLARE (GENNC INTEGER CWN 10000) (GENPFX SYMBOL OWN (QUOTE A)))	0057600
(FUNCTION ((GETIC . LISP) SYMBOL)	0057700
((S (ARRAY CCTAL)))	0057800
(BLOCK ((B INTEGER (S20. (OBLLIST (BUCKET S)))))	0057900
(W INTEGER (LEFTAD (S20. S))))	0058000
(IF (GR W 2)	0058100
(GO LCNG)	0058200
(EQ (TAG (S20. S)) 1)	0058300
(RETURN (CCT2CH (BIT 40 8 (S 1))))	0058400
(LS W 2) (SET W 0) (SET W (S 1)))	0058500
SHORT (IF (EQ B 0)	0058600
(GO NC)	0058700
(AND (NQ (BIT 20 1 (WCRD2 B)) 1) (EQ W (WORD1 B)))	0058800
(RETURN (C2S. B)))	0058900
(SET B (LINK B))	0059000
(GO SHCRT)	0059100
LONG (SET W (BIT 24 24 (S 1)))	0059200
TEST (IF (EQ B 0)	0059300
(GO NC)	0059400
(AND (NQ (BIT 20 1 (WCRD2 B)) 0)	0059500
(EQ (BIT 24 24 (WCRD1 B)) W) (EQ S (02S. (PNAME B))))	0059600
(RETURN (C2S. B))) (SET B (LINK B)) (GO TEST) NO (RETURN NIL)))	0059700
(FUNCTION (GENPNAME SYMBOL)	0059800
((S SYMBOL))	0059900
(BLOCK ((P (ARRAY OCTAL)	0060000
(SCONCS (TCSTRG GENPFX) (NUMSTR GENNO))))	0060100
(IF (GQ GENNC 100000) (GO B))	0060200
A (SET (WORD1 (S20. S)) (P 1))	0060300
(SET (TAGIM (WCRD3 (S20. S))) (TAGIM (CORE (S20. P)))))	0060400
(SET GENNO (I2C. (PLUS GENNO 1))))	0060500
(RETURN S)	0060600
B (SET GENNC 06)	0060700
(SET GENPFX (IF (EQ GENPFX (QUOTE Z))	0060800
(QUOTE A) (CHEAT INTEGER SYMBOL (PLUS (S20. GENPFX) 1))))	0060900
(GO A)))	0061000
(FUNCTION (GENID SYMBOL)	0061100
NIL (BLOCK ((S SYMBOL ((TRIPLE . SYS)))))	0061200
(SET (WORD1 (S20. S)) 0)	0061300
(SET (WORD2 (S20. S)) 700000001Q6)	0061400
(SET (CHAINS S) (S20. S)) (SET (WORD3 (S20. S)) 0) (RETURN S)))	0061500
(DECLARE (OBLLIST (ARRAY SYMBOL) CWN)	0061600
(OBLSIZ INTEGER OWN 125) (BUCKNC INTEGER OWN))	0061700
(RCUTINE (BUCKET INTEGER)	0061800
((S (ARRAY CCTAL)))	0061900
(SET BUCKNO (IF (LS (LEFTAD (S20. S)) 2)	0062000
1 (PLUS 1 (REMAINDER (ABS (S 1)) OBLSIZ))))	0062100
(SECTION (FSM SYS) SYMBOL)	0062200
(DECLARE (BASEST (ARRAY OCTAL) OWN (QUOTE (*STRING AAAAA)))	0062300
(WORKST (ARRAY CCTAL) OWN NIL)	0062400
(FSMSYM SYMBOL CWN)	0062500
(RMSG (ARRAY SYMBOL)	0062600
CWN (QUOTE (*SYMBOL (*STRING ' IS ' ILLEGAL ' TOKEN ' SYNTAX))	0062700
(*STRING ' IS ' ILLEGAL ' TOKEN ' IN ' DATUM))	0062800
(*STRING ' FILE ' TERMINATOR ' INSIDE ' DATUM))	0062900
(*STRING '..' IS ' ILLEGAL ' AFTER ' LPAR))	0063000

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(*STRING ' FOUND ' INSTEAD ' OF ' ')
    ' IN ' DOTTED ' PAIR)))) 0063100
(XXCHAR SYMBOL OWN) 0063200
((GNLIST . SYS) SYMBOL NIL) 0063300
(SPFLAG BOOLEAN CWN NIL) (FSCHAR SYMBOL OWN NIL)) 0063400
FUNCTION ((MAKID . FSM) SYMBOL) 0063500
NIL (BLOCK ((S SYMBOL ((GETID . LISP) FSMSYM))) 0063600
(IF S (RETURN S)) 0063700
(SET S (TRIPLE)) 0063800
(BLOCK ((A (ARRAY OCTAL) FSMSYM) 0063900
(L SYMBOL ((OBLIST . SYS) (BUCKNO . SYS))) 0064000
(W2 OCTAL (IF SPFLAG 1Q7 0Q))) 0064100
(BLOCK ((N OCTAL (ARSIZE (S20. A))) (W3 OCTAL (S20. L))) 0064200
(IF (NQ N 2) (GO LONG)) 0064300
(SET (WORD1 (S20. S)) (A 1)) 0064400
(SET (TAGIM W3) (TAG (S20. A))) 0064500
R (SET (WCRD3 (S20. S)) W3) 0064600
(SET (PREFIM W2) 7Q) 0064700
(SET (WORD2 (S20. S)) W2) 0064800
(SET (CHAINS S) (S20. S)) 0064900
(SET ((CBLIST . SYS) (BUCKNO . SYS)) S) 0065000
(RETURN S) 0065100
LONG (IF (GR N 2) (GO L1)) 0065200
(SET W2 1Q7) 0065300
(GO R) 0065400
L1 (SET (WORD1 (S20. S)) 0065500
(WORDOR (S20. FSMSYM) (WORDAND 77777777Q8 (A 1))) 0065600
(SET (BIT 20 1 W2) 1Q) (GO R)))) 0065700
0065800
FUNCTION ((MAKEID . LISP) SYMBOL) 0065900
((A (ARRAY OCTAL))) 0066000
BLOCK NIL (SET SPFLAG (SPELLP A)) 0066100
(SET FSMSYM (COPYARRAY A)) (RETURN ((MAKID . FSM)))) 0066200
FUNCTION (MGENID SYMBOL) 0066300
NIL (BLOCK ((R SYMBOL (FIND FSMSYM GNLIST))) 0066400
(IF R (RETURN (CDR R))) 0066500
(SET GNLIST (CONS (CCNS FSMSYM (SET R (GENID))) GNLIST)) 0066600
(RETURN R)) 0066700
FUNCTION ((MAKIDB . FSM) SYMBOL) 0066800
NIL (BLOCK ((A (ARRAY OCTAL) FSMSYM)) 0066900
(IF (EQ (LEFTAD (S20. A)) 2) 0067000
(BLOCK ((W OCTAL (A 1))) 0067100
(IF (EQ W (WORD1 (S20. TRUE.))) 0067200
(RETURN TRUE) 0067300
(OR (EQ W (WCRD1 (S20. NIL.))) (EQ W (WORD1 (S20. FALSE.)))) 0067400
(RETURN NIL)))) (SET SPFLAG NIL) (RETURN ((MAKID . FSM)))) 0067500
DECLARE (TRUE. SYMBOL OWN (QUOTE (*IDENTIFIER TRUE))) 0067600
(FALSE. SYMBOL OWN (QUOTE (*IDENTIFIER FALSE))) 0067700
(NIL. SYMBOL OWN (QUOTE (*IDENTIFIER 'N 'I 'L))) 0067800
SECTION (IO FSM LISP SYS) SYMBOL) 0067900
DECLARE (STSPREL SYMBOL OWN) 0068000
(STSAVE SYMBOL OWN) (STR.CH INTEGER CWN) 0068100
FUNCTION ((S.SUPL . IO) SYMBOL) 0068200
NIL (IF (LS (STRINGL STSPREL) STR.CH) 0068300
(OCT2CH 34Q)) 0068400
(BLOCK ((X SYMBOL (GETCHAR STSPREL STR.CH))) 0068500
(SET STR.CH (PLUS STR.CH 1)) (RETURN X)))) 0068600
SECTION (FSM IO LISP SYS) SYMBOL) 0068700
FUNCTION (TOKEN INTEGER) NIL) 0068800
FUNCTION ((PARSE . LISP) INTEGER) 0068900
((A SYMBOL) (C INTEGER)) 0069000
BLOCK ((TT (FUNCTIONAL SYMBOL) (XXFUNC . IO)) 0069100
(ZZ SYMBOL (XXSAVE . IO))) 0069200
(SET (XXFUNC . IO) S.SUPL) 0069300

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(SET (XXSAVE . IO) STSAVE)	0069400
(SET STSPEL A)	0069500
(SET STR.CH C)	0069600
(SET C (TOKEN))	0069700
(SET STSAVE (XXSAVE . IO))	0069800
(SET (XXFUNC . IO) TT) (SET (XXSAVE . IO) ZZ) (RETURN C))	0069900
(FUNCTION ((SPELLP . FSM) BOOLEAN)	0070000
((A (ARRAY OCTAL)))	0070100
(BLOCK ((L INTEGER (STRINGL A))))	0070200
(RETURN (OR (LS L 1)	0070300
(AND (LS L 6)	0070400
(OR (EQ (SET L (A 1)) (WORD1 (S20. TRUE.)))	0070500
(EQ L (WORD1 (S20. NIL.))) (EQ L (WORD1 (S20. FALSE.))))	0070600
(LS (BLOCK NIL (SET STSAVE NIL)	0070700
(SET L (PARSE A 1))	0070800
(IF (GR STR.CH (STRINGL STSPEL)) (RETURN L) (RETURN 0))) 12)	0070900
(GR L 15)))) (SECTION LISP SYMBOL))	0071000
(ARITH (SECTION SYS SYMBOL))	0071100
(FUNCTION (SYMSGN INTEGER) ((A SYMBOL)) (SIGN (SYM2REAL A)))	0071200
(FUNCTION (SYMABS SYMBOL) ((A SYMCL)) (TIMES A (SIGN A)))	0071300
(FUNCTION (STIMS SYMCL)	0071400
((A SYMBOL) (B SYMCL))	0071500
(IF (FIXP A) (TIMES (SYM2INT A) B) (TIMES (SYM2REAL A) B)))	0071600
(FUNCTION (STIMR REAL)	0071700
((A REAL) (B SYMBOL)) (TIMES A (SYM2REAL B)))	0071800
(FUNCTION (STIMI SYMCL)	0071900
((A INTEGER) (B SYMCL))	0072000
(IF (FIXP B) (TIMES A (SYM2INT B)) (TIMES A (SYM2REAL B)))	0072100
(FUNCTION (SPLUS SYMBOL)	0072200
((A SYMBOL) (B SYMBOL))	0072300
(IF (FIXP A) (PLUS (SYM2INT A) B) (PLUS (SYM2REAL A) B)))	0072400
(FUNCTION (SPLUR REAL)	0072500
((A REAL) (B SYMBOL)) (PLUS A (SYM2REAL B)))	0072600
(FUNCTION (SPLUI SYMCL)	0072700
((A INTEGER) (B SYMCL))	0072800
(IF (FIXP B) (PLUS A (SYM2INT B)) (PLUS A (SYM2REAL B)))	0072900
(FUNCTION (SMINS SYMCL)	0073000
((A SYMBOL) (B SYMBOL))	0073100
(IF (FIXP B)	0073200
(DIFFERENCE A (SYM2INT B)) (DIFFERENCE A (SYM2REAL B)))	0073300
(FUNCTION (SMINI SYMCL)	0073400
((A INTEGER) (B SYMCL))	0073500
(IF (FIXP B)	0073600
(DIFFERENCE A (SYM2INT B)) (DIFFERENCE A (SYM2REAL B)))	0073700
(FUNCTION (SMINR REAL)	0073800
((A REAL) (B SYMBOL)) (DIFFERENCE A (SYM2REAL B)))	0073900
(FUNCTION (MINSYM SYMCL)	0074000
((A SYMBOL))	0074100
(IF (FIXP A) (MINUS (SYM2INT A)) (MINUS (SYM2REAL A)))	0074200
(SECTION (LISP SYS) SYMBOL)	0074300
(RCUTINE ((REMAINDER . LISP) INTEGER)	0074400
((A INTEGER) (B INTEGER))	0074500
(DIFFERENCE A (TIMES B (IQUOTIENT A B))))	0074600
(RCUTINE (CCTRUND OCTAL) ((A REAL)) (ROUND A))	0074700
(RCUTINE (ROUND INTEGER) ((N REAL)) (ENTIER (PLUS N 0.5)))	0074800
(RCUTINE (ENTIER INTEGER)	0074900
((N REAL))	0075000
(IF (GQ N 0)	0075100
(SCALE (BIT 0 36 (R20. N))	0075200
(DIFFERENCE (BIT 36 12 (R20. N)) 2044Q))	0075300
(MINUS (ENTIER (DIFFERENCE (02R. 200077777777777Q) N))))	0075400
(FUNCTION (EXPT REAL)	0075500
((X REAL) (Y INTEGER))	0075600

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(IF (LS Y 0) 0075700
 (QUOTIENT 1.0 (EXPT X (MINUS Y))) 0075800
 (BLOCK ((R REAL 1.0)) 0075900
 A (IF (EQ Y 0) (RETURN R)) 0076000
 (SET Y (PLUS Y -1)) (SET R (TIMES R X)) (GO A)))) 0076100
 C (ITTER (SECTION SYS SYMBOL) 0076200
 (RCUTINE (BITTST BOOLEAN) 0076300
 ((X INTEGER) (Y INTEGER)) 0076400
 (AND (GQ X 0) (GR Y 0) (LQ (PLUS X Y) WDSIZE))) 0076500
 (DECLARE (WDSIZE INTEGER OWN 48)) 0076600
 (RCUTINE (BITS OCTAL) 0076700
 ((X INTEGER) (Y INTEGER) (Z OCTAL)) 0076800
 (IF (BITTST X Y) 0076900
 (WORDAND (INVERT (SHIFT (INVERT OQ) Y)) 0077000
 (SHIFT Z (MINUS X)) OQ)) 0077100
 (RCUTINE (BITSET OCTAL) 0077200
 ((X INTEGER) (Y INTEGER) (Z OCTAL LCC) (W OCTAL)) 0077300
 (IF (BITTST X Y) 0077400
 (SET Z (BLOCK ((MASK OCTAL (INVERT OQ)))) 0077500
 (SET Y (PLUS WDSIZE (MINUS Y))) 0077600
 (SET MASK (SHIFT (SHIFT (SHIFT MASK (MINUS X)) Y)) 0077700
 (PLUS X (MINUS Y)))) 0077800
 (RETURN (WORDOR (WORDAND (SHIFT W X) MASK) 0077900
 (WORDAND Z (INVERT MASK)))))) W))) 0078000
 (CCNVERTS (SECTION (LISP SYS) SYMBOL) 0078100
 (RCUTINE ((INT2OCT . LISP) OCTAL) ((A INTEGER)) A) 0078200
 (FUNCTION (SYM2OCT OCTAL) 0078300
 ((S (ARRAY CCTAL))) 0078400
 (BLOCK ((X INTEGER (DIFFERENCE (S20. S) 4Q5))) 0078500
 (IF (GQ X 0) 0078600
 (GO A) 0078700
 (GQ (SET X (PLUS X 2Q5)) 0) 0078800
 (GO B) 0078900
 (OCTALP S) 0079000
 (RETURN (S 1)) (INTP S) (GO C) (REALP S) (GO D) (NUMERR S)) 0079100
 A (SET X (DIFFERENCE X 2Q5)) 0079200
 B (RETURN (IF (EQ X 0) OQ (I20. X))) 0079300
 C (SET X (S 1)) (GO B) D (SET X (ENTIER (O2R. (S 1)))) (GO B))) 0079400
 (FUNCTION (SYM2INT INTEGER) ((S SYMBOL)) (O2I. (SYM2OCT S))) 0079500
 (FUNCTION (SYM2REAL REAL) 0079600
 ((S (ARRAY CCTAL))) 0079700
 (IF (REALP S) 0079800
 (O2R. (S 1)) (FIXP S) (FLOAT (SYM2OCT S)) (NUMERR S))) 0079900
 (FUNCTION (NUMERR SYMBOL) 0080000
 ((S SYMBOL)) (ERROR (CONS S (QUOTE (NOT A NUMBER))))) 0080100
 (FUNCTION (OCT2SYM SYMBOL) 0080200
 ((X OCTAL)) 0080300
 (IF (EQ (BIT 16 32 X) OQ) 0080400
 (O2S. (PLUS X 2Q5)) 0080500
 (BLOCK ((A (ARRAY OCTAL) (GETARRAY 2))) 0080600
 (SET (PREFIX (S20. A)) 2) (SET (A 1) X) (RETURN A)))) 0080700
 (FUNCTION (REAL2SYM SYMBOL) 0080800
 ((X REAL)) 0080900
 (BLOCK ((A (ARRAY CCTAL) (GETARRAY 2))) 0081000
 (SET (PREFIX (S20. A)) 4) (SET (A 1) (R20. X)) (RETURN A))) 0081100
 (FUNCTION (INT2SYM SYMBOL) 0081200
 ((X INTEGER)) 0081300
 (IF (AND (LS X 2Q5) (GQ X 777777777577777Q)) 0081400
 (O2S. (I20. (PLUS X 6Q5))) 0081500
 (BLOCK ((A (ARRAY OCTAL) (GETARRAY 2))) 0081600
 (SET (PREFIX (S20. A)) 3) (SET (A 1) (I20. X)) (RETURN A)))) 0081700
 (FUNCTION (CH2OCT OCTAL) 0081800
 ((S SYMBOL))) 0081900

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(IF (CHARP S)	0082000
(DIFFERENCE (S20. S) CHO)	0082100
(ERRMSG S (QUOTE (IS NOT A CHARACTER)))))	0082200
(FUNCTION (OCT2CH SYMBOL))	0082300
((X OCTAL))	0082400
(IF (AND (LS (SET X (I2C. (PLUS X CHO))) TRC) (GG X CHO))	0082500
(O2S. X)	0082600
(ERRMSG (I2C. (DIFFERENCE X CHC))	0082700
(QUOTE (IS NOT CHARACTER REPRESENTATION)))))	0082800
(FUNCTION (FCRM2SYM SYMBOL))	0082900
((X (FUNCTIONAL NOVALUE)))	0083000
(BLOCK ((A (ARRAY OCTAL) (GETARRAY 2)))	0083100
(SET (PREFIX (S20. A)) 5) (SET (A 1) (F20. X)) (RETURN A)))	0083200
(FUNCTION (SYM2FCRM FUNCTIONAL))	0083300
((S (ARRAY CCTAL)))	0083400
(IF (FORMALP S)	0083500
(O2F. (S 1)) (ERRMSG S (QUOTE (IS NOT A FUNCTIONAL)))))	0083600
(UTILITY (SECTION SYS SYMBOL))	0083700
(FUNCTION (ERRMSG1 SYMBOL) ((A SYMBOL)) (ERROR A))	0083800
(FUNCTION (ERRMSG SYMBOL))	0083900
((A SYMBOL) (B SYMBOL)) (ERROR (CONS A B)))	0084000
(FUNCTION (TRIPLE SYMBOL))	0084100
NIL (BLOCK ((X CCTAL TRL))	0084200
(IF (EQ X 0) (GO A))	0084300
(SET TRL (LINK TRL))	0084400
(RETURN (O2S. X))	0084500
A (SET TRP (I2C. (PLUS TRP 3)))	0084600
(ADPDK 3) (RETURN (C2S. (I20. (PLUS TRP -2))))))	0084700
(ROUTINE (ADPDK NOVALUE))	0084800
((C INTEGER))	0084900
(BLOCK NIL (SET (BIT 24 18 (COREENTRY P00K1))	0085000
(PLUS (BIT 24 18 (COREENTRY P0CK1)) C))	0085100
(SET (BIT 24 18 (CORE (PLUS (ENTRY P00K) 1)))	0085200
(PLUS (BIT 24 18 (CORE (PLUS (ENTRY P00K) 1))) C))))	0085300
(ROUTINE (SPACEP. BOOLEAN))	0085400
((S SYMBOL)) (AND (GG (S20. S) TRC) (LS (S20. S) LSC)))	0085500
(ROUTINE (TRSPAC BOOLEAN))	0085600
((S SYMBOL)) (AND (GG (S20. S) TRC) (LS (S20. S) TRP))))	0085700
(DECLARES (SECTION SYS SYMBOL))	0085800
(DECLARE DECLU SQWKUN)	0085900
(FUNCTION MAKEFREE (N S STOR TYPE X))	0086000
(BLOCK ((FR (GETFREE N S))	0086100
(TES (FIND STCR KINLIST))	0086200
(WRD1 OCTAL) CCWRD1 (WRD3 OCTAL) CCWRD3)	0086300
(IF (NULL TES) (GO KINDER))	0086400
(BLOCK ((TEST CCTAL (CDR TES))))	0086500
(IF (EQ TEST 2Q)	0086600
(GO MS)	0086700
(NULL (TYPEP TYPE)) (GO TYPERR) (SET TYPE (STANTP TYPE)))	0086800
(IF (NULL FR) (GO MF))	0086900
(BLOCK ((FG (FVLIST FR))))	0087000
(IF (NQ (CADR FG) TYPE)	0087100
(GO REDEF)	0087200
(NQ (CADDR FG) X)	0087300
(GO REDEF)	0087400
(EQ TEST 0Q)	0087500
(GO R)	0087600
(NQ (CDR (FIND (CAR FG) KINLIST)) TEST) (GO REDEF)))	0087700
MX (SET (XMFLAG (S20. FR)) (IF (NQ STOR (QUOTE FREE)) 1Q 0Q))	0087800
R (RETURN FR)	0087900
REDEF (IF (NQ (VCOUNT (S20. FR)) 0Q) (GO RDECER))	0088000
(MESSAGE (APPEND (QUOTE (NEW DECLARATION FOR))	0088100
(LIST (CONS N S))))	0088200

MF (IF (NQ TEST 0) (GO MM))	0088300
(SET STOR (QUOTE FREE))	0088400
(SET TEST 11Q)	0088500
MM (SET WRD3 (MAKETYPE (LIST TYPE X)))	0088600
(IF (EQ (BIT 24 6 WRD3) 1Q)	0088700
(SET DCWRD3 (02S. (BIT 6 18 WRD3))))	0088800
(IF (GR TEST 12Q) (GO FN))	0088900
(SET TES (FTYPER TYPE))	0089000
(IF (AND (EQ TEST 12Q) (EQ X (QUOTE VALUE)))	0089100
(SET WRD1 (DFINIT TES)) (SET DCWRD1 (CREATE 1 TES NIL)))	0089200
(GO MV)	0089300
FN (SET WRD1 (F20. FNTRAP))	0089400
(SET (BIT 42 6 WRD1) TEST)	0089500
(SET TEST 12Q)	0089600
MV (IF FR (GO FILL))	0089700
(SET FR (TRIPLE))	0089800
(SET (WCRD2 (S20. FR)) 0Q)	0089900
(SET (CHAINS FR) (S20. S))	0090000
(SET (LINK (S20. FR)) (CHAINS N))	0090100
(SET (CHAINS N) (S20. FR))	0090200
FILL (IF DCWRD3 (SET (BIT 6 18 WRD3) (S20. DCWRD3)))	0090300
(IF DCWRD1 (BLOCK NIL (SET (BIT 0 18 WRD1)	0090400
(PLUS 1 (S20. DCWRD1))))	0090500
(SET (BIT 24 18 WRD1) (S20. DCWRD1))))	0090600
(SET (WCRD1 (S20. FR)) WRD1)	0090700
(SET (TCODES FR) WRD3)	0090800
(SET (PREFIX (S20. FR)) TEST)	0090900
(GO MX)	0091000
MS (BLOCK ((FG (GETFREE TYPE X)))	0091100
(IF (NULL FG) (GO NOPDER))	0091200
(IF (AND (EQN TYPE N) (EQN X S))	0091300
(BLOCK NIL (SET (TCODES FR) (SYNTYPE FR)) (GO R)))	0091400
(IF (NULL (SET TES (SYNGET FG FR))) (GO SYNER))	0091500
(SET FG (FVLIST TES))	0091600
(IF (SET FR (MAKEFREE N S (CAR FG) (CADR FG) (CADDR FG)))	0091700
(SET (TCODES FR) (WCRDOR 2Q8 (SHIFT (S20. TES) 6))))	0091800
(GO R)))	0091900
KINDER (SET TES (CONS STOR (QUOTE (INVALID KIND))))	0092000
(GO ERR)	0092100
TYPERR (SET TES (CONS TYPE (QUOTE (INVALID TYPE))))	0092200
(GO ERR)	0092300
RDECER (SET TES (CONS (FVLIST FR)	0092400
(APPEND (QUOTE (NOT CHANGED TC)) (LIST (LIST STOR TYPE X))))))	0092500
(GO ERR)	0092600
SYNER (SET TES (QUOTE (CIRCULAR SYNONYM)))	0092700
(GO MNS)	0092800
NOPDER (SET TES (QUOTE (NO PRICR DECLARATION)))	0092900
MNS (SET TES (APPEND (LIST STOR (CCNS TYPE X)) TES))	0093000
ERR (MESSAGE (CONS (CONS N S) TES))))	0093100
(DECLARE (KINDLIST SYMBOL OWN (QUOTE ((STET . 0Q)	0093200
(MEANS . 2Q)	0093300
(FREE . 11Q)	0093400
(FLUID . 11Q)	0093500
(OWN . 12Q)	0093600
(FUNCTION . 21Q)	0093700
(MACRO . 22Q) (INSTRUCTIONS . 23Q) (ROUTINE . 24Q))))))	0093800
(RCUTINE (SYNTYPE OCTAL) ((A SYMBOL)) (TCODES (SYNGET A NIL)))	0093900
(RCUTINE (SYNGET SYMBOL))	0094000
((A SYMBOL) (B SYMBOL))	0094100
(BLOCK ((C CCTAL))	0094200
L (IF (EQN A B) (RETURN NIL))	0094300
(SET C (TCODES A))	0094400
(IF (NQ (BIT 24 6 C) 2Q) (RETURN A))	0094500

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(SET A (O2S. (BIT 6 18 C))) (GC L)) 0094600
(FUNCTION (MAKETYPE OCTAL) 0094700
((TYPE SYMBOL LEXICAL)) 0094800
(BLOCK ((J OCTAL LEXICAL OQ)) 0094900
(BLOCK ((AA (ARRAY OCTAL) FREE) 0095000
(NN INTEGER FREE 1) 0095100
(RR INTEGER FREE 0) 0095200
(PP INTEGER FREE 42) 0095300
(WWL OCTAL FREE LOC J) (HERE BOOLEAN FREE TRUE)) 0095400
(TYPRDL TYPE) 0095500
(RETURN (IF (EQ NN 1) 0095600
(BIT 42 6 WWL) 0095700
(LS NN 6) 0095800
(BIT 18 30 WWL) (WORDOR 1Q8 (SHIFT (S20. AA) 6)))))) 0095900
(FUNCTION (TYPRDL NOVALUE) 0096000
((X SYMBOL LEXICAL)) 0096100
(IF (ATCM X) 0096200
(BLOCK ((TC OCTAL LEXICAL OQ)) 0096300
(IF (NUMBP X) 0096400
(SET TC X) 0096500
(SET X (FINDA X (QUOTE ((SYMBOL . OQ)
(BOOLEAN . 1Q)
(OCTAL . 2Q)
(INTEGER . 3Q)
(REAL . 4Q)
(FUNCTIONAL . 5Q)
(ARRAY . 12Q1)
(LOC . 11Q1) (NOVALUE . 37Q) (INDEF . 37Q)))))) 0096600
(SET TC (CDR X)) (GO R)) 0096700
(IF HERE (GO STUFF) 0096800
(AND (EQ TC 77Q) (OR (EQ PP 0) (EQ NN 5))) (GO R)) 0096900
(IF (EQ (SET NN (PLUS NN 1)) 6) 0097000
(SET AA (CREATE 1 (QUOTE OCTAL) WWL)) 0097100
(EQ PP OQ) 0097200
(BLOCK NIL (SET AA (NCONCS AA (CREATE 1 (QUOTE OCTAL) . Q)))) 0097300
(SET PP 48)) (GO UPP)) 0097400
(SET RR (PLUS RR 1)) 0097500
(LOCSET WWL (AA RR)) 0097600
(UPP (SET PP (PLUS PP -6))) 0097700
(STUFF (SET HERE (IF (EQ (BIT 6 6 TC) OQ) NIL TRUE)) 0097800
(SET WWL (WORDOR (SHIFT (BIT 0 6 TC) PP) WWL)) R) 0097900
(BLOCK NIL (IF (NULL (CDR X)) 0098000
(GO CN) 0098100
(TMCDEP (CADR X)) 0098200
(SET X (REVERSE X)) 0098300
(EQ (CAR X) (QUOTE FUNCTIONAL)) 0098400
(SET X (APPEND (CCNS 45Q (CDR X)) (QUOTE (77Q)))))) 0098500
(SET WWL (WORDOR (SHIFT (BIT 0 6 TC) PP) WWL)) R) 0098600
(BLOCK NIL (IF (NULL (CDR X)) 0098700
(GO CN) 0098800
(TMCDEP (CADR X)) 0098900
(SET X (REVERSE X)) 0099000
(EQ (CAR X) (QUOTE FUNCTIONAL)) 0099100
(SET X (APPEND (CCNS 45Q (CDR X)) (QUOTE (77Q)))))) 0099200
(ON (MAPCAR X TYPRDL)))) 0099300
(RETrieve (SECTION (LISP SYS) SYMBOL) 0099400
(FUNCTION ALLDEC (X) 0099500
(IF (NOT (IDP X)) 0099600
NIL (BLOCK ((Y (O2S. (BIT 24 18 (CORE (S20. X)))) Z) 0099700
(FOR Y (RESET Y (O2S. (BIT 0 18 (CORE (PLUS (S20. Y) 1)))) 0099800
(WHILE (NG X Y)) (SET Z (CONS ((VARNAMe . SYS) Y) Z))) 0099900
(RETURn Z)))) 0100000
(FUNCTION FINDEC (N SN) 0100100
(BLOCK ((T OCTAL (S20. (GETFREE N SN)))) 0100200
(RETURn (IF (EG T 0) 0100300
NIL (LIST T (CORE (PLUS T -1)) 0100400
((FVLIS1 . COMPILE) (O2S. T)))))) 0100500
(SECTION SYS SYMBOL) 0100600
(RCUTINE (GETFREE SYMBOL) 0100700
((N SYMBOL) (S SYMBOL))) 0100800

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(BLOCK ((P CCTAL (CHAINS N)))
      L (IF (EQN (C2S. P) N)
            (RETURN NIL) (EQN (C2S. (CHAIN P)) S) (RETURN (O2S. P)))
            (SET P (LINK P)) (GO L)))
  (FUNCTION (FVLIST SYMBOL)
    ((S SYMBOL)) (IF S (CONS (FVKIND S) (GETYPE S)) NIL))
  (FUNCTION (FVKIND SYMBOL)
    ((S SYMBOL))
    (IF (EQ (BIT 42 6 (WCRD3 (S20. S))) 2Q)
        (QUOTE MEANS)
        (EQ (PREFIX (WCRD2 (S20. S))) 11Q)
        (IF (EQ (XFLAG (S20. S)) 0Q) (QUOTE FREE) (QUOTE FLUID))
        (EQ (WCRDAND 1G14 (WCRD3 (S20. S))) 0Q)
        (QUOTE OWN)
        (BLOCK ((X SYMBOL (FINDN (BIT 0 3 (PREFIX (WORD1 (S20. S)))))))
          (QUOTE ((0G . CWN)
                  (1Q . FUNCTION)
                  (2Q . MACRO) (3Q . INSTRUCTIONS) (4Q . ROUTINE)))))))
        (IF X (RETURN (CDR X)) (RETURN (QUOTE UNKNOWN)))))))
  (DECLARE (AA (ARRAY OCTAL)))
  (NN INTEGER)
  (WWL OCTAL LOC) (RR INTEGER) (PP INTEGER) (WW OCTAL))
  (FUNCTION GETYPE (S)
    (IF (EQ (BIT 42 6 (WCRD3 (S20. S))) 2Q)
        (BLOCK ((Q SYMBOL (VARNAM (O2S. (BIT 24 18 (WORD3 (S20. S)))))))
          (RETURN (LIST (CAR Q) (CDR Q)))))
        (BLOCK ((WW CCTAL FREE (SYNTYPE S))
                  (AA (ARRAY OCTAL) FREE)
                  (PP INTEGER FREE 42) (RR INTEGER FREE 1))
                  (IF (EQ (BIT 24 6 WW) 0Q)
                      (SET PP C) (EQ (BIT 24 6 WW) 1Q) (GO A) (SET PP 24))
                      R (RETURN (RDTYPE))
                      A (SET AA (O2S. (BIT 6 18 WW))) (SET WW (AA 1)) (GO R))))
        (FUNCTION RDTYPE NIL (DETYP (RDTPC)))
        (FUNCTION DETYP ((TC OCTAL))
          (LIST (STANTP (CTYP TC))
            (IF (EQ (BIT 3 1 TC) 0Q) (QUOTE VALUE) (QUOTE LOC))))
        (FUNCTION DTYP ((TC OCTAL))
          (IF (EQ (BIT 5 1 TC) 0Q)
              (CDR (FINDN (WCRDAND TC 27Q) STYPES)))
              (BLOCK ((N OCTAL (RDTPC)))
                (BLOCK ((J (LIST (IF (NQ N 37Q) (CTYP N) (QUOTE NOVALUE))
                  (QUOTE FUNCTIONAL))))
                  LOOP (SET N (RDTPC))
                  (IF (NQ N 77Q)
                      (BLOCK NIL (SET J (CONS (IF (NQ N 37Q)
                        (DETYP N) (LIST (QUOTE INDEF) (RDTYPE))) J)) (GO LOOP)))
                      (RETURN (REVERSE J))))))
            (RCUTINE (RDTPC OCTAL)
              NIL (BLOCK ((TC OCTAL (BIT PP 6 WW)))
                (IF (NQ PP 0) (SET PP (PLUS PP -6)) AA (GO ARR) (GO B))
                RT (RETURN TC)
                B (SET WW (INVERT 0Q))
                R (SET PP 42)
                (GO RT)
                ARR (IF (LS (SET RR (PLUS RR 1)) (ARSIZE (S20. AA)))
                  (SET WW (AA RR)) (GO B)) (GO R)))
              (TYPEQ (SECTION SYS SYMBOL)
                (FUNCTION (TYPEP BOOLEAN)
                  ((J SYMBOL)) (OR (TYPEP J) (ATYPEP J) (FUNTYP J)))
                (FUNCTION (STYPEP BOOLEAN)
                  ((J SYMBOL))
                  (MEMBER J (QUOTE (BCCLEAN INTEGER OCTAL REAL SYMBOL)))))))
            0100900
            0101000
            0101100
            0101200
            0101300
            0101400
            0101500
            0101600
            0101700
            0101800
            0101900
            0102000
            0102100
            0102200
            0102300
            0102400
            0102500
            0102600
            0102700
            0102800
            0102900
            0103000
            0103100
            0103200
            0103300
            0103400
            0103500
            0103600
            0103700
            0103800
            0103900
            0104000
            0104100
            0104200
            0104300
            0104400
            0104500
            0104600
            0104700
            0104800
            0104900
            0105000
            0105100
            0105200
            0105300
            0105400
            0105500
            0105600
            0105700
            0105800
            0105900
            0106000
            0106100
            0106200
            0106300
            0106400
            0106500
            0106600
            0106700
            0106800
            0106900
            0107000
            0107100

```

(FUNCTION (ATYPEP BOOLEAN))	0107200
((J SYMBOL))	0107300
(AND (NCT (ATCM J)))	0107400
(EQN (CAR J) (QUOTE ARRAY))	0107500
(CDR J) (NULL (CDDR J)) (FTYPP (CADR J)))	0107600
FUNCTION (FUNTYP BOOLEAN))	0107700
((J SYMBOL))	0107800
(AND (NCT (ATCM J)))	0107900
(EQN (CAR J) (QUOTE FUNCTIONAL))	0108000
(SET J (CDR J))	0108100
(VTYPPEP (CAR J))	0108200
(BLOCK NIL LOOP (IF (NULL (SET J (CDR J)))	0108300
(RETURN TRUE))	0108400
(AND (EQN (LENGTH J) 1) (INDEFP (CAR J))))	0108500
(RETURN TRUE) (PTYPEP (CAR J)) (GO LOOP))))	0108600
FUNCTION (FTYPP BOOLEAN))	0108700
((J SYMBOL)) (OR (STYPEP J) (EQN J (QUOTE FUNCTIONAL))))	0108800
FUNCTION (VTYPPEP BOOLEAN))	0108900
((J SYMBOL)) (OR (FTYPP J) (EQN J (QUOTE NOVALUE))))	0109000
FUNCTION (INDEFP BOOLEAN) ((J SYMBOL)) NIL)	0109100
FUNCTION (PTYPEP BOOLEAN))	0109200
((J SYMBOL))	0109300
(IF (ATCM J))	0109400
(FTYPP J))	0109500
(AND (FTYPP (CAR J))	0109600
(OR (NULL (CDR J)) (AND (TMODEP (CADR J)) (NULL (CDDR J))))))	0109700
FUNCTION (TMODEP BOOLEAN))	0109800
((J SYMBOL)) (MEMBER J (QUOTE (LCC VALUE))))	0109900
RCUTINE (FTYPER SYMBCL))	0110000
((TYPE SYMBCL))	0110100
(IF (ATCM TYPE))	0110200
TYPE (EQ (CAR TYPE) (QUOTE FUNCTIONAL))	0110300
(QUOTE FUNCTIONAL) (QUOTE SYMBCL)))	0110400
FUNCTION STANTP (TYPE))	0110500
(IF (NOT (FUNTYP TYPE))	0110600
TYPE (CONS (CAR TYPE) (CADR TYPE) (MAPCAR (CDDR TYPE) TPREFIX))))	0110700
FUNCTION TPREFIX (A))	0110800
(IF (ATCM A))	0110900
(CONS A (QUOTE (VALUE))))	0111000
(EQ (CAR A) (QUOTE INDEF))	0111100
(LIST (QUOTE INDEF) (TPREFIX (CADR A)) A)))	0111200
TYPES (SECTION SYS SYMBCL))	0111300
RCUTINE (DFINIT OCTAL))	0111400
((TYPE SYMBCL))	0111500
(IF (INQ TYPE (QUOTE FUNCTIONAL)) (EQ (F20. FMTRAP)))	0111600
DECLARE (TYPMSG OWN (QUOTE (IS NCT LEGAL TYPE))))	0111700
FUNCTION (CCNVRT OCTAL))	0111800
((TYPE SYMBCL) (VALUE SYMBOL))	0111900
(IF (OR (EQ TYPE (QUOTE SYMBOL)) (EQ TYPE (QUOTE BOOLEAN)))	0112000
(S20. VALUE))	0112100
(OR (EQ TYPE (QUOTE INTEGER)) (EQ TYPE (QUOTE OCTAL))))	0112200
(VALUE (EQ TYPE (QUOTE REAL))))	0112300
(R20. VALUE))	0112400
(EQ TYPE (QUOTE FUNCTIONAL)) (F20. VALUE) (ERRMSG TYPE TYPMSG)))	0112500
DECLARE (STYPES SYMBCL CWN (QUOTE ((OQ . SYMBOL)	0112600
(1Q . BOOLEAN)	0112700
(2Q . OCTAL)	0112800
(3Q . INTEGER)	0112900
(4Q . REAL)	0113000
(5Q . FUNCTIONAL)	0113100
(6Q . STRING)	0113200
(7Q . ID)	0113300
(1Q1 . QUOTE)	0113400

(11Q . FLUID)	0113500
(12Q . OWN)	0113600
(13Q . EMPTY)	0113700
(2Q1 ARRAY SYMBOL)	0113800
(21Q ARRAY BCLEAN)	0113900
(22Q ARRAY OCTAL)	0114000
(23Q ARRAY INTEGER)	0114100
(24Q ARRAY REAL) (25Q ARRAY FUNCTIONAL))))	0114200
(FUNCTION (STYPE SYMBOL))	0114300
((S SYMBOL))	0114400
(BLOCK ((A SYMBOL (IF (SPACEP. S) (FINDN (PREFIX (S20. S)) STYPES) NIL))))	0114500
((RETURN (IF A (CAR A) NIL))))	0114600
(MAKEQUOTE (FUNCTION (MAKEQUOTE SYMCL))	0114700
((S SYMBOL))	0114800
(BLOCK ((TR SYMBOL (TRIPLE)))	0114900
(SET (WORD3 (S20. TR)) 0Q)	0115000
(SET (WORD2 (S20. TR)) 1000000000000001Q)	0115100
(SET (WORD1 (S20. TR)) (S20. S)) (RETURN TR))))	0115200
(DEBGER (SECTION (DEBUG SYS) SYMBOL))	0115300
(FUNCTION ((ARTYPE . IO) SYMBOL) ((X SYMBOL)))	0115400
(FUNCTION ((ARYCHK . DEBUG) INTEGER)	0115500
((A SYMBOL) (T SYMBOL) (S INTEGER))	0115600
(IF (NOT (ARRAYP A))	0115700
(S20. (ERRCR (LIST A (QUOTE SUBSCRIPTED))))	0115800
(NOT (EQN T ((ARTYPE . IO) A))))	0115900
(S20. (ERRCR (QUOTE (BAD TYPED ARRAY))))	0116000
(OR (LQ S C) (GQ S (BIT 24 18 (CORE (S20. A))))))	0116100
(S20. (ERRCR (QUOTE (OUT OF BOUNDS SUBSCRIPT)))) S))	0116200
(FUNCTION ((ATMCHK . DEBUG) SYMBOL))	0116300
((X SYMBOL))	0116400
(IF (ATCM X) (ERRCR (CONS X (QUOTE (CAR OR CDR ED)))) X))	0116500
(FUNCTION ((FUNCHK . DEBUG) NOVALUE)	0116600
((D SYMBOL) (F (FUNCTIONAL REAL)))	0116700
(BLOCK ((E SYMBOL (CADR (FVLIST (C2S. (I20. (PLUS (BIT 0 18 (F20. F)) 1)))))))	0116800
(IF (NCT (CR (EQ (QUOTE NOVALUE) (CADR D)) (EQN (CADR D) (CADR E))))	0116900
(ERROR (QUOTE (FUNCTIONAL VALUE TYPE MISMATCH))))	0117000
(IF (NCT (EQ (CDDR D) (CDDR E))))	0117100
(ERROR (QUOTE (ARG OF FUNCTIONAL TYPE MISMATCH))))))	0117200
(IF (NCT (EQ (CDDR D) (CDDR E))))	0117300
(ERROR (QUOTE (ARG OF FUNCTIONAL TYPE MISMATCH))))))	0117400
(IF (NCT (EQ (CDDR D) (CDDR E))))	0117500
(ERROR (QUOTE (ARG OF FUNCTIONAL TYPE MISMATCH))))))	0117600

****END OF FILE DETECTED

(SEC.LISP (SECTION LISP SYMBOL))	0000100
(FUNCTION (ERRCR SYMBOL) ((S SYMBOL)))	0000200
(FUNCTION (PRETTYP SYMBOL) ((S SYMBOL)))	0000300
(FUNCTION (FITATCM SYMBOL) ((S SYMBOL)))	0000400
(FUNCTION (OPEN SYMBOL) ((FN SYMBOL) (DL SYMBOL)))	0000500
(FUNCTION (SHUT SYMBOL) ((FN SYMBOL) (DL SYMBOL)))	0000600
(FUNCTION (PCPOSITION SYMBOL) ((F SYMBOL) (A INTEGER)))	0000700
(FUNCTION (INPUT SYMBOL) ((X SYMBOL)))	0000800
(FUNCTION (OUTPUT SYMBOL) ((X SYMBOL)))	0000900
(FUNCTION (PRINT SYMBOL) ((X SYMBOL)))	0001000
(FUNCTION (PRIN SYMBOL) ((X SYMBOL)))	0001100
(FUNCTION (PRINO SYMBOL) ((X SYMBOL)))	0001200
(FUNCTION (PRINATOM SYMBOL) ((A SYMBOL)))	0001300
(FUNCTION (PRINSTRING SYMBOL) ((X SYMBOL)))	0001400
(FUNCTION (SYMPRINT SYMBOL) ((X SYMBOL)))	0001500
(FUNCTION (SYMPRIN SYMBOL) ((X SYMBOL)))	0001600
(FUNCTION (PRINCH SYMBOL) ((X SYMBOL)))	0001700
(FUNCTION (READCF SYMBOL) NIL)	0001800
(FUNCTION READ NIL)	0001900
(FUNCTION PRINARRAY (A))	0002000
(FUNCTION (PRINWCRD OCTAL) ((X OCTAL)))	0002100
(FUNCTION (READWCRD OCTAL) NIL)	0002200
(FUNCTION (ENCIN NOVALUE) NIL)	0002300
(FUNCTION (ENDINR NOVALUE) NIL)	0002400
(FUNCTION (ENDCUT NOVALUE) NIL)	0002500
(FUNCTION (ENDCUTR NOVALUE) NIL)	0002600
(FUNCTION (ENDINP NOVALUE) NIL)	0002700
(FUNCTION (ENDCUTP NOVALUE) NIL)	0002800
(FUNCTION (NCP NOVALUE) NIL)	0002900
(FUNCTION (NILF SYMBOL) NIL)	0003000
(RCUTINE (CLEAR NOVALUE) ((FN SYMBOL)))	0003100
(RCUTINE (GET SYMBOL) ((FN SYMBOL) (DL SYMBOL)))	0003200
(RCUTINE (GETCHAR SYMBOL) ((A (ARRAY OCTAL)) (CC INTEGER))))	0003300
(ARSIZE (SECTION IO SYMBOL))	0003400
MACRO1(((ARSIZE (LAMBDA (S) (LIST (QUOTE BIT) 24 18 (CONS (QUOTE CCRE) (CDR S)))))))	0003500
(SEC.IO (SECTION (IO SYS) SYMBOL))	0003600
(FUNCTION (CAR. SYMBOL) ((A SYMBOL)) (CAR A))	0003700
(FUNCTION (LCGTTY NOVALUE) ((C INTEGER) (M SYMBOL)))	0003800
(FUNCTION (B1 SYMBOL) ((S SYMBOL)))	0003900
(FUNCTION (F1 SYMBOL) ((S SYMBOL)))	0004000
(FUNCTION READ NIL)	0004100
(FUNCTION (CHSPL SYMBOL) NIL)	0004200
(FUNCTION (TTONSPL SYMBOL) NIL)	0004300
(FUNCTION (TCSTRG SYMBOL) ((A SYMBOL)))	0004400
(FUNCTION (CVRTNM INTEGER) ((FN SYMBOL)))	0004500
(FUNCTION (SEQNO NOVALUE) NIL)	0004600
(FUNCTION (INTTY NOVALUE) NIL)	0004700
(FUNCTION (INTAPE NOVALUE) NIL)	0004800
(FUNCTION (INDISC NOVALUE) NIL)	0004900
(FUNCTION (OUTTY NOVALUE) NIL)	0005000
(FUNCTION (OUTAPE NOVALUE) NIL)	0005100
(FUNCTION (OUTDISC NOVALUE) NIL)	0005200
(FUNCTION (INTPAS NOVALUE) NIL)	0005300
(FUNCTION (OLTPAS NOVALUE) NIL)	0005400
(FUNCTION (INCCAS NOVALUE) NIL)	0005500
(FUNCTION (OUTCCAS NOVALUE) NIL)	0005600
(RCUTINE (MOVEI INTEGER) ((S INTEGER) (B OCTAL LOC)))	0005700
(RCUTINE (MOVEC INTEGER) ((S INTEGER) (B OCTAL LOC)))	0005800
(RCUTINE (MODIFY INTEGER) NIL)	0005900
(FUNCTION (RDEC SYMBOL) ((NM INTEGER)))	0006000
(RCUTINE (FDEC INTEGER) ((NM INTEGER))	0006100

(UT INTEGER)	0006400
(FM INTEGER)	0006500
(SZ INTEGER) (RL INTEGER) (PK INTEGER) (PT INTEGER)))	0006600
(RCUTINE (CVRTN1 INTEGER) ((S OCTAL LOC) (I INTEGER)))	0006700
(RCUTINE (SETBLF NOVALUE) ((SINK CCTAL LOC) (K OCTAL)))	0006800
(FUNCTION (T8X6 BOCLEAN))	0006900
((EOR OCTAL))	0007000
(SOURCE CCTAL LOC) (SINK OCTAL LCC) (J INTEGER) (I INTEGER)))	0007100
(RCUTINE (T8X12 NOVALUE) NIL)	0007200
(RCUTINE (T12X8 INTEGER) NIL)	0007300
(FUNCTION (TRANDC INTEGER) ((CH CCTAL) (J INTEGER)))	0007400
(FUNCTION (TRANTP INTEGER) ((CH CCTAL) (J INTEGER)))	0007500
(FUNCTION (T6X8 NOVALUE))	0007600
((COL INTEGER) (WHAT (FUNCTIONAL INTEGER OCTAL INTEGER))))	0007700
(RCUTINE (T75 BOCLEAN) NIL)	0007800
(RCUTINE (GETCHAR SYMBOL) ((A OCTAL LOC) (CC INTEGER)))	0007900
(RCUTINE (SETCHAR SYMBOL) ((CH SYMBOL) (A OCTAL LOC) (CC INTEGER))))	0008000
(DSPCHR (LAP (FUNCTION ((NCP . LISP) NCVALUE)	0008100
NIL (CRG))	0008200
(BEGIN)	0008300
(END)	0008400
(RETURN)	0008500
(ENTRY FIXBUF (LABEL BUF))	0008600
(ENTRY DCALL (LABEL DEC))	0008700
(ENTRY DNAME ((LABEL DEC) 2))	0008800
(ENTRY DUNIT ((LABEL DEC) 3))	0008900
(ENTRY DFORM ((LABEL DEC) 4))	0009000
(ENTRY DSIZE ((LABEL DEC) 6))	0009100
(ENTRY DREEL ((LABEL DEC) 8))	0009200
(ENTRY DPRCTK ((LABEL DEC) 9))	0009300
(ENTRY DPOST ((LABEL DEC) 10))	0009400
(ENTRY DSTAT ((LABEL DEC) 11))	0009500
(ENTRY MCALL (LABEL MCOV))	0009600
(ENTRY PNAME ((LABEL MCOV) 2))	0009700
(ENTRY MINCUT ((LABEL MOOV) 3))	0009800
(ENTRY MLOC ((LABEL MCOV) 5))	0009900
(ENTRY MSECTR ((LABEL MOOV) 7))	0010000
(ENTRY MWDSIN ((LABEL MOOV) 9))	0010100
(ENTRY MSTAT ((LABEL MCOV) 10))	0010200
(ENTRY MSIZE ((LABEL MCOV) 12))	0010300
(ENTRY MPOST ((LABEL MCOV) 13))	0010400
(ENTRY BELL (LABEL BELLS))	0010500
(ENTRY TAPCS (LABEL POS))	0010600
(ENTRY TNAME ((LABEL PCS) 2))	0010700
(ENTRY ACTION ((LABEL POS) 3))	0010800
(ENTRY RESQUE (LABEL RES))	0010900
(ENTRY DEFFILE (LABEL DEF))	0011000
(ENTRY DFNAME ((LABEL DEF) 2))	0011100
(ENTRY DELETE (LABEL DEL))	0011200
(ENTRY DLNAME ((LABEL DEL) 2))	0011300
(ENTRY DLSTAT ((LABEL DEL) 3))	0011400
(ENTRY REFILE (LABEL REF))	0011500
(ENTRY RFNAME ((LABEL REF) 2))	0011600
(ENTRY RWDSIN ((LABEL REF) 4))	0011700
(ENTRY RFSTAT ((LABEL REF) 5))	0011800
(ENTRY RFORM ((LABEL REF) 6))	0011900
(ENTRY INSERT (LABEL INS))	0012000
(ENTRY ISNAME ((LABEL INS) 2))	0012100
(ENTRY INNAME ((LABEL INS) 4))	0012200
(ENTRY INSTAT ((LABEL INS) 5))	0012300
(ENTRY INSIZE ((LABEL INS) 7))	0012400
(ENTRY MDFY (LABEL MOD))	0012500
(ENTRY MDNAME ((LABEL MOD) 2))	0012600

(ENTRY MDSIZE ((LABEL MOD) 4))	0012700
(ENTRY MDSTAT ((LABEL MOD) 5))	0012800
(ENTRY DSPCHR 312Q)	0012900
(ENTRY IN ((LABEL INK)))	0013000
(ENTRY OUT ((LABEL OUTK)))	0013100
DEC (4331624731310113Q)	0013200
(263143256C600E06Q)	0013300
(163637011717777Q)	0013400
(644531636C600C1Q1)	0013500
(264651446C600521Q)	0013600
(456444662462016Q1)	0013700
(1)	0013800
(512525436C6C0E04Q)	0013900
(0)	0014000
(475146632542Q4)	0014100
(474662636C6Q5)	0014200
(634562632163Q4)	0014300
MOOV (4331624731310114Q)	0014400
(444665256C600E06Q)	0014500
(163637011717777Q)	0014600
(466463476463046Q1)	0014700
(23465125316701Q2)	0014800
(0 ((LABEL BUF) 1))	0014900
(24316223316701Q2)	0015000
(0)	0015100
(66246231456001Q2)	0015200
(0)	0015300
(634562632163Q4)	0015400
(456444662462016Q1)	0015500
(0)	0015600
(474662636C6Q5)	0015700
BELLS (4331624731310105Q)	0015800
(444665256C600E06Q)	0015900
(163637011717777Q)	0016000
(466463476463046Q1)	0016100
(234651253167016Q1)	0016200
(0 ((LABEL BELL1)))	0016300
BELL1 (700C700C3Q4)	0016400
POS (4331624731310103Q)	0016500
(6321474464650606Q)	0016600
(0)	0016700
(464763314645Q4)	0016800
RES (4331624731310102Q)	0016900
(512562236425016Q1)	0017000
(0)	0017100
DEF (4331624731310102Q)	0017200
(2425263143250606Q)	0017300
(0)	0017400
DEL (4331624731310103Q)	0017500
(2425432563250606Q)	0017600
(0)	0017700
(634562632163Q4)	0017800
REF (4331624731310106Q)	0017900
(5125263143250606Q)	0018000
(0)	0018100
(66246231456001Q2)	0018200
(0)	0018300
(634562632163Q4)	0018400
(264651446C6Q5)	0018500
INS (4331624731310107Q)	0018600
(3145622551630606Q)	0018700
(0)	0018800
(3145452144250606Q)	0018900

(0)	0019000
(634562632163Q4)	0019100
(456444662462016Q1)	0019200
(0)	0019300
MOD (43316247313101C5Q)	0019400
(4446243126700606Q)	0019500
(0)	0019600
(45644466246201Q2)	0019700
(0)	0019800
(634562632163Q4)	0019900
BUF (6Q14 C. 0 520)	0020000
(606060606060606Q1)	0020100
(DITTO 519)	0020200
INK (31454764636004Q2) OUTK (46646347646304Q2)) NIL (LISP))	0020300
(CNVRTB (FUNCTION ((NILF . LISP) SYMBOL) NIL NIL)	0020400
(SECTION IC SYMBOL)	0020500
(DECLARE (CNVRTB (ARRAY CCTAL)	0020600
CWN (QUOTE (*OCTAL 60010040006Q5 6001000100610001Q	0020700
60010002006200C02Q 7702000300630003Q 6001000400640004Q	0020800
6001000500650005Q 6001000600660006Q 5201000700670007Q	0020900
600100100070001Q1 6001001100710011Q 3201001200000012Q	0021000
6001001300750013Q 6001001400470014Q 3202001500720015Q	0021100
6001001600760016Q 6001001700430017Q 600100200053002Q1	0021200
6001002101010021Q 6001002201020022Q 6001002301030023Q	0021300
6001002401040024Q 6001002501050025Q 6001002601060026Q	0021400
6001002701070027Q 600100300110003Q1 6001003101110031Q	0021500
6001003200150032Q 6001003300560033Q 6001003400510034Q	0021600
6001003500450035Q 6001003601340036Q 6001003701370037Q	0021700
602200400055004Q1 6001004101120041Q 6001004201130042Q	0021800
1704004301140043Q 5305004401150044Q 3521004501160045Q	0021900
2001004601170046Q 1403004701200047Q 740500500121005Q1	0022000
3405005101220051Q 5405005200070052Q 2012005300440053Q	0022100
7323005400520054Q 4013005501350055Q 3316005600730056Q	0022200
6111005701360057Q 1400600040006Q1 114006100570061Q	0022300
214006201230062Q 314006301240063Q 414006401250064Q	0022400
514006501260065Q 614006601270066Q 714006701300067Q	0022500
101500700131007Q1 1115007101320071Q 1505007200770072Q	0022600
5605007300540073Q 7611007400500074Q 1311007501330075Q	0022700
1611007600740076Q 7201007700030077Q 60010100000014Q1	0022800
2121010100000101Q 2221010200000102Q 2321010300000103Q	0022900
2421010400000104Q 2517010500000105Q 2621010600000106Q	0023000
2721010700000107Q 302101100000011Q1 3121011100000111Q	0023100
4121011200000112Q 4221011300000113Q 4321011400000114Q	0023200
4421011500000115Q 4521011600000116Q 4621011700000117Q	0023300
472101200000012Q1 5020012100000121Q 5121012200000122Q	0023400
6221012300000123Q 6321012400000124Q 6421012500000125Q	0023500
6521012600000126Q 6621012700000127Q 672101300000013Q1	0023600
7021013100000131Q 7121013200000132Q 7505013300000133Q	0023700
3605013400000134Q 5505013500000135Q 5705013600000136Q	0023800
3705013700000137Q 600101Q10 21010101Q8 22010102Q8 23010103Q8	0023900
24010104Q8 25010105Q8 26010106Q8 27010107Q8 3001011Q9 31010111Q8	0024000
41010112Q8 42010113Q8 43010114Q8 44010115Q8 45010116Q8	0024100
46010117Q8 4701012Q9 50010121Q8 51010122Q8 62010123Q8 63010124Q8	0024200
64010125Q8 65010126Q8 66010127Q8 6701013Q9 70010131Q8 71010132Q8	0024300
75010133Q8 6001004Q9 55010135Q8 6001004Q9 60010177Q8))))	0024400
VARIABLES (SECTION SYS SYMBOL)	0024500
(DECLARE (CHC OCTAL OWN)	0024600
(XXDLIM SYMBOL CWN (QUOTE '..))	0024700
(XXCHAR SYMBOL CWN)	0024800
(GNMODE BOOLEAN FLUID NIL)	0024900
(PRMODE BOOLEAN FLUID NIL) (OTTY SYMBOL OWN) (ITY SYMBOL OWN))	0025000
(SECTION LISP SYMBOL)	0025100
(DECLARE (TTY SYMBOL FLUID (QUOTE ((UNIT . TTY)	0025200

(FORM . ASCII) (RECORD . 1) (HORIZONTAL 1 73 72)))	0025300
(TAPE. SYMBOL FLUID (QUOTE ((UNIT . TAPE)	0025400
(FORM . BCD)	0025500
(RECORD . 30) (HORIZONTAL 1 73 80) (VERTICAL 1 51 50))))	0025600
(DISC. SYMBOL FLUID (QUOTE ((UNIT . DISC)	0025700
(FORM . BCD)	0025800
(RECORD . 51) (HORIZONTAL 1 73 80) (VERTICAL 1 51 50))))	0025900
(CORE. SYMBOL FLUID (QUOTE ((UNIT . CORE)	0026000
(FORM . ASCII) (RECORD . 1))))	0026100
(CRT. SYMBOL FLUID (QUOTE ((UNIT . CRT)	0026200
(FORM . BINARY) (RECORD . 680))))	0026300
(SKIPR. INTEGER OWN 1)	0026400
(SKIPF. INTEGER OWN 2)	0026500
(WEOF. INTEGER CWN 3)	0026600
(WEOT. INTEGER CWN 4)	0026700
(REWIND. INTEGER OWN 5)	0026800
(BACKR. INTEGER OWN 6)	0026900
(BACKF. INTEGER OWN 7) (KEY. INTEGER OWN 8))	0027000
(SECTION (IO SYS) SYMBOL)	0027100
(DECLARE (DDSW INTEGER OWN)	0027200
(CURCOL INTEGER FLUID LOC)	0027300
(ICURCOL INTEGER FLUID LOC)	0027400
(CURLINE INTEGER FLUID LOC)	0027500
(ICURLINE INTEGER FLUID LOC)	0027600
(SUMLINE INTEGER FLUID LOC)	0027700
(ISUMLINE INTEGER FLUID LOC)	0027800
(LMG INTEGER FLUID LCC)	0027900
(ILMG INTEGER FLUID LCC)	0028000
(RMG INTEGER FLUID LCC)	0028100
(IRMG INTEGER FLUID LCC)	0028200
(MAXCOL INTEGER FLUID LOC)	0028300
(IMAXCOL INTEGER FLUID LOC)	0028400
(TOP INTEGER FLUID LCC)	0028500
(ITOP INTEGER FLUID LCC)	0028600
(BOT INTEGER FLUID LCC)	0028700
(IBOT INTEGER FLUID LOC)	0028800
(PAGE INTEGER FLUID LOC)	0028900
(IPAGE INTEGER FLUID LOC)	0029000
(RECORD INTEGER FLUID LOC)	0029100
(IRECORD INTEGER FLUID LOC)	0029200
(SIZE INTEGER FLUID LCC)	0029300
(ISIZE INTEGER FLUID LOC)	0029400
(COUNT INTEGER FLUID LOC)	0029500
(ICOUNT INTEGER FLUID LOC)	0029600
(MAXSEC INTEGER FLUID LCC)	0029700
(IMAXSEC INTEGER FLUID LOC)	0029800
(SECTOR INTEGER FLUID LOC)	0029900
(ISECTOR INTEGER FLUID LOC)	0030000
(STATUS INTEGER FLUID LCC)	0030100
(ISTATUS INTEGER FLUID LOC)	0030200
(TTYMAX INTEGER FLUID LCC)	0030300
(NAME INTEGER FLUID LOC)	0030400
(INAME INTEGER FLUID LOC)	0030500
(BUFLOC (ARRAY OCTAL) FLUID)	0030600
(IBUFLOC (ARRAY OCTAL) FLUID)	0030700
(LINELCC OCTAL FLUID LOC)	0030800
(ILINELCC OCTAL FLUID LCC)	0030900
(FIXLOC OCTAL FLUID LOC)	0031000
(CURFN SYMBOL FLUID)	0031100
(ICURFN SYMBOL FLUID)	0031200
(RMGO (FUNCTIONAL NOVALUE) FLUID LOC)	0031300
(IRMGO (FUNCTIONAL NOVALUE) FLUID LOC)	0031400
(BOTO (FUNCTIONAL NOVALUE) FLUID LOC)	0031500

(IBOTC (FUNCTIONAL NOVALUE) FLUID LCC)	0031600
(MOVE (FUNCTIONAL NOVALUE) FLUID LOC)	0031700
(IMOVE (FUNCTIONAL NOVALUE) FLUID LCC)	0031800
(XXFUNC (FUNCTIONAL SYMBOL) FLUID LCC)	0031900
(KEY (FUNCTIONAL NOVALUE) FLUID LCC)	0032000
(IKEY (FUNCTIONAL NOVALUE) FLUID LOC)	0032100
(XXSAVE SYMBOL FLUID LOC)	0032200
(FILES. SYMBOL FLUID NIL)	0032300
(WPL INTEGER FLUID LCC)	0032400
(IWPL INTEGER FLUID LOC)	0032500
(CPW INTEGER FLUID 6)	0032600
(SHORWD SYMBOL FLUID (QUOTE (*STRING A.WORD)))	0032700
(MSG1 SYMBOL CWN (QUOTE (*STRING 'R 'E 'D 'U 'N 'D 'A 'N 'T ' 'F 'I 'L 'E ' 'N 'A 'M 'E ' ')))	0032800
(MSG2 SYMBOL CWN (QUOTE (*STRING 'B 'A 'D ' 'O 'P 'E 'N ' 'A 'R 'G 'Z ' ')))	0032900
(MSG3 SYMBOL CWN (QUOTE (*STRING 'T 'S 'S ' 'R 'E 'J 'E 'C 'T ' ')))	0033000
)	0033100
(MSG4 SYMBOL CWN (QUOTE (*STRING 'F 'I 'L 'E ' 'N 'O 'T ' 'O 'P 'E 'N 'E 'D ' ')))	0033200
(MSG5 SYMBOL CWN (QUOTE (*STRING 'N 'O 'T ' 'B 'I 'N 'A 'R 'Y ' 'F 'I 'L 'E ' ')))	0033300
(MSG6 SYMBOL CWN (QUOTE (*STRING 'I 'L 'L 'E 'G 'A 'L ' 'U 'N 'I 'T ' ')))	0033400
(MSG7 SYMBOL CWN (QUOTE (*STRING 'T 'A 'P 'E ' 'X 'F 'E 'R ' ')))	0033500
(MSG8 SYMBOL CWN (QUOTE (*STRING 'F 'I 'L 'E ' 'L 'O 'C 'K 'E 'D ' ')))	0033600
)	0033700
(SECTION (IO SYS) SYMBOL) (DECLARE (BUFIX (ARRAY OCTAL) FLUID)))	0033800
(DCALLS (SECTION (IO LISP SYS) SYMBOL))	0033900
(RCUTINE (MODIFY INTEGER))	0034000
NIL (BLOCK NIL (SET (CORENTRY MENAME) NAME))	0034100
(SET (CORENTRY MDSIZE) (TIMES 512 (PLUS 9 MAXSEC)))	0034200
(CODE (LDA (ENTRY MDIFY) (RA R)) (BUC (ENTRY DSPCHR)))	0034300
(RETURN (BIT 0 6 (CORENTRY MDSTAT))))	0034400
(DECLARE (TO (ARRAY OCTAL))	0034500
CWN (QUOTE (*OCTAL 22Q 3Q1 23Q 21Q 22Q 22Q))))	0034600
(FUNCTION (RDEC SYMBOL))	0034700
((NM INTEGER))	0034800
(BLOCK NIL (SET (CORENTRY RFNAME) NM))	0034900
(CODE (LDA (ENTRY REFILE) (RA R)) (BUC (ENTRY DSPCHR)))	0035000
(RETURN (LIST (BIT 0 6 (CORENTRY RFSTAT))	0035100
(TO (PLUS 1 (BIT 0 6 (CORENTRY RFORM)))) (CORENTRY RWDSIN))))	0035200
(RCUTINE (FDEC INTEGER))	0035300
((NM INTEGER))	0035400
(BLOCK NIL (SET (CORENTRY REFILE) NM))	0035500
(CODE (LDA (ENTRY REFILE) (RA R)) (BUC (ENTRY DSPCHR)))	0035600
(RETURN (LIST (BIT 0 6 (CORENTRY RFSTAT))	0035700
(TO (PLUS 1 (BIT 0 6 (CORENTRY RFORM)))) (CORENTRY RWDSIN))))	0035800
(RCUTINE (FDEC INTEGER))	0035900
((NM INTEGER))	0036000
(UT INTEGER)	0036100
(FM INTEGER)	0036200
(SZ INTEGER) (RL INTEGER) (PK INTEGER) (PT INTEGER))	0036300
(BLOCK NIL (SET (BIT 0 6 (CORENTRY DPOST)) PT))	0036400
(SET (BIT 0 6 (CORENTRY DPROTK)) PK))	0036500
(SET (CORENTRY DREEL) RL))	0036600
(SET (CORENTRY DSIZE) SZ))	0036700
(SET (BIT 0 6 (CORENTRY DFORM)) FM))	0036800
(SET (BIT 0 6 (CORENTRY DUNIT)) UT))	0036900
(SET (CORENTRY DNAME) NM))	0037000
(CODE (LDA (ENTRY DCALL) (RA R)) (BUC (ENTRY DSPCHR)))	0037100
(RETURN (BIT 0 6 (CORENTRY DSTAT))))	0037200
(PEN (SECTION (IO LISP SYS) SYMBOL))	0037300
(FUNCTION (UNLOCK NOVALUE) NIL (POSITION ICURFN KEY..))	0037400
(FUNCTION (UNLOCK NOVALUE) NIL (POSITION CURFN KEY..))	0037500
(FUNCTION ((CPEN . LISP) SYMBOL))	0037600
((FN SYMBOL) (DL SYMBOL))	0037700
(BLOCK NIL (IF (GET FN FILES.) (RETURN (ERROR MSG1))))	0037800
(BLOCK ((IA (ARRAY INTEGER) (CREATE 18 (QUOTE INTEGER) 0)))	

(FA (ARRAY FUNCTIONAL) (CREATE 8 (QUOTE FUNCTIONAL) NOP))	0037900
(SA (ARRAY SYMBOL) (CREATE 2 (QUOTE SYMBOL) NIL))	0038000
(U SYMBOL (GET (QUOTE UNIT) DL))	0038100
(F SYMBOL (GET (QUOTE FORM) DL))	0038200
(R SYMBOL (GET (QUOTE RECORD) DL))	0038300
(H SYMBOL (GET (QUOTE HORIZONTAL) DL))	0038400
(V SYMBOL (GET (QUOTE VERTICAL) DL))	0038500
(O SYMBOL (GET (QUOTE OVERFLW) DL))	0038600
(X SYMBOL)	0038700
(T INTEGER 1)	0038800
(Y INTEGER 0)	0038900
(Z OCTAL 22Q)	0039000
(W INTEGER 1) (PROTECT SYMBOL (GET (QUOTE PROTECT) DL)))	0039100
(IF (NULL (AND U F R H)) (RETURN (ERROR MSG2)))	0039200
(SET (IA 1) (CADR H))	0039300
(SET (IA 2) (CADDR H))	0039400
(SET (IA 3) (CACDDR H))	0039500
(IF V (BLOCK NIL (SET (IA 4) (CADR V)))	0039600
(SET (IA 5) (CADER V)) (SET (IA 6) (CACDDR V)))	0039700
(BLOCK NIL (SET (IA 4) 1) (SET (IA 5) 51) (SET (IA 6) 50)))	0039800
(SET (IA 7) (CDR R))	0039900
(SET (IA 8)	0040000
(IF (EQ (CDR F) (QUOTE BINARY))	0040100
1 (PLUS 1 (IQUOTIENT (PLUS -1 (IA 3)) 6))))	0040200
TO (SET (IA 9) 1)	0040300
(SET (IA 10) 1)	0040400
(SET (IA 11) 0)	0040500
(SET (IA 12) (CVRTNM FN))	0040600
(SET (IA 13) 1)	0040700
(SET (IA 14) 0)	0040800
(SET (FA 6) CHSPL)	0040900
(IF (EQ (SET X (CDR U)) (QUOTE TTY))	0041000
(BLOCK NIL (IF (GR (IA 3) 72)	0041100
(BLOCK NIL (SET (IA 3) 72) (SET (IA 2) 73)))	0041200
(SET (IA 7) 1)	0041300
(SET (FA 4) CUTTY)	0041400
(SET (FA 5) INTTY)	0041500
(SET (FA 6) TTYSPL) (SET Y (FDEC (IA 12) 8 21Q 19 0 0 0)))	0041600
(EQ X (QUOTE TAPE))	0041700
(BLOCK NIL (IF (NOT (EQ (CDR F) (QUOTE BCD)))	0041800
(BLOCK NIL (SET (FA 4) OUTPAS))	0041900
(SET (FA 5) INTPAS) (GO T21)))	0042000
(IF (OR (GR (IA 3) 120)	0042100
(GR (TIMES (IA 7)	0042200
(PLUS 1 (IQUOTIENT (PLUS -1 (IA 3)) 8))) 300))	0042300
(BLOCK NIL (SET (IA 2) 81)	0042400
(SET (IA 3) 80) (SET (IA 7) 30) (SET (IA 8) 14)))	0042500
(SET (FA 4) OUTAPE)	0042600
(SET (FA 5) INTAPE)	0042700
(SET Z 23Q)	0042800
(SET T (PLUS 1 (IQUOTIENT (PLUS -1 (IA 3)) 8))))	0042900
T21 (IF (SET X (GET (QUOTE REEL) DL)) (SET Y (CDR X)))	0043000
(IF (AND PROTECT (MEMBER (QUOTE WRITE) (CDR PROTECT)))	0043100
(SET W 0))	0043200
(SET Y (FDEC (IA 12) 3 Z (TIMES (IA 7) T) (CVRTNM Y) W 0)))	0043300
(EQ X (QUOTE DISC))	0043400
(BLOCK NIL (SET (IA 3) 80)	0043500
(IF (SET X (GET (QUOTE DISC) DL))	0043600
(SET (IA 12) (CVRTNM (CDR X))))	0043700
(IF (EQ (CDR F) (QUOTE BCD)) (GO T31))	0043800
(SET (FA 4) OUTDCAS)	0043900
(SET (FA 5) INDCAS)	0044000
(GO T32))	0044100

T31 (IF (GR (IA 7) 51) (SET (IA 7) 51))	0044200
(SET Z 23Q)	0044300
(SET (IA 8) 14)	0044400
(SET (FA 4) OUTDISC)	0044500
(SET (FA 5) INDISC)	0044600
T32 (IF (MEMBER (QUOTE OLD) DL) (GO T33))	0044700
(SET (IA 15) 7)	0044800
(SET Y (FDEC (IA 12) 11 Z 4096 0 0 0))	0044900
(GO ALL)	0045000
T33 (IF (GR (CAR (SET X (RDEC (IA 12)))) 3))	0045100
(BLOCK NIL (IF (CR (GR (CAR X) 4) (GR T 100))	0045200
(RETURN (ERRCR MSG3))) (SET T (PLUS T 1)) (GO T33)))	0045300
(IF (NQ Z (CADR X)) (RETURN (ERROR MSG2)))	0045400
(SET (IA 15) (IQUOTIENT (PLUS (CADDR X) -1) 512)) (GO A1))	0045500
(EQ X (QUOTE CORE))	0045600
(RETURN (ERRCR MSG6))	0045700
(EQ X (QUOTE CRT))	0045800
(RETURN (ERRCR MSG6))	0045900
(RETURN (ERRCR (QUOTE (NOT A UNIT)))))	0046000
ALL (IF (GR Y 3) (RETURN (ERRCR MSG3)))	0046100
A1 (IF (GR (IA 1) (IA 3)) (SET (IA 1) 1))	0046200
(IF (GR (IA 4) (IA 6)) (SET (IA 4) 1))	0046300
(SET (IA 18) 3Q15)	0046400
(IF C (BLOCK NIL (SET (FA 3) (SET (FA 1) (CADR 0))))	0046500
(SET (FA 2) (CADDR C))	0046600
(SET (FA 7) (CADDNR 0)) (SET (FA 8) (CADDNR 0)))	0046700
(BLOCK NIL (SET (FA 1) ENDIN))	0046800
(SET (FA 3) ENDOUT)	0046900
(SET (FA 7) IUNLCK) (SET (FA 8) OUNLOCK)))	0047000
(SET FILES. (CONS (CONS FN (APPEND (LIST (CONS (QUOTE BLF)	0047100
(CREATE (PLUS 1 (TIMES (IA 7) (IA 8)))	0047200
(QUOTE OCTAL) 100200401002004Q1)))	0047300
(CONS (QUOTE SCA) SA)	0047400
(CONS (QUOTE ICA) IA) (CCNS (QUOTE FCA) FA)) DL)) FILES.))	0047500
(IF PROTEC (SET (CAR FILES.))	0047600
(CONS (CAAR FILES.) (CONS PROTEC (CDAR FILES.))))))	0047700
(SET (IA 17) 100) (RETURN (MAPCAR FILES. CAR.))))))	0047800
(SHUT (SECTION (IO LISP SYS) SYMBOL)	0047900
(FUNCTION ((SHUT . LISP) SYMBOL)	0048000
((A SYMBOL) (B SYMBOL))	0048100
(BLOCK ((X SYMBOL (FILES. . IO)) (Y SYMBOL NIL))	0048200
A (IF (NULL X)	0048300
(RETURN (CONS A (QUOTE (NOT A FILE)))) (EQ A (CAAR X)) (GO B))	0048400
(SET X (CDR (SET Y X)))	0048500
(GO A)	0048600
B (BLOCK ((FL SYMBOL (CAR X)))	0048700
(IF Y (SET (CCR Y) (CDR X)) (SET FILES. (CDR FILES.)))	0048800
(IF (EQ A (CURFN . IO)) (CUTPUT (CTTY . SYS)))	0048900
(IF (EQ A (ICURFN . IC)) (INPUT (ITY . SYS)))	0049000
(BLOCK ((I (ARRAY INTEGER) (CDR (GET (QUOTE ICA) FL)))	0049100
(NM INTEGER) (W OCTAL) (INS ECOLEAN NIL))	0049200
(SET NM (I 12))	0049300
(IF (OR (EQ (SET X (CDR (GET (QUOTE UNIT) FL))) (QUOTE TTY))	0049400
(EQ X (QUOTE TAPE)))	0049500
(BLOCK NIL (SET W (ENTRY DEFILE)) (GO C))	0049600
(NQ X (QUOTE DISC))	0049700
(RETURN (CONS A (QUOTE (IS CRT CR CORE))))	0049800
(EQ (CDR (GET (QUOTE FILE) B)) (QUOTE DELETE))	0049900
(BLOCK NIL (SET W (ENTRY DELETE)) (GO C)))	0050000
(SET W (ENTRY INSERT))	0050100
(SET INS TRUE)	0050200
(SET (COREENTRY INNAME)	0050300
(IF (SET Y (GET (QUOTE NAME) B))	0050400

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(I20. (CVRTNM (CDR Y))) (I20. NM)))
(SET (CORENTRY INSIZE) (I20. (TIMES 512 (PLUS (I 15) 1))))))
C (SET (CCRE (PLUS 2 W)) (I20. NM))
D (CCDE (LCA W) (BUC (ENTRY CSPCHR)))
(IF (OR (NOT INS) (LG (CORENTRY INSTAT) 3)) (GO LOG))
(SET INS FALSE)
(GO D)
LOG (IF (SET Y (GET (QUOTE LCG) B)) (LOGTTY 9 (CDR Y))))))
(RETURN (MAPCAR FILES. CAR.)))
(IN.CUT (SECTION (IO LISP SYS) SYMBCL)
(FUNCTION ((CUTPLT . LISP) SYMBOL)
((FN SYMBCL))
(IF (EQN FN CURFN)
FN (BLOCK ((DL SYMBCL (GET FN FILES.)))
(IF (NULL DL) (RETURN (ERROR MSG4)))
(BLOCK ((IA (ARRAY INTEGER) (CDR (GET (QUOTE ICA) (CDR DL)))))
(FA (ARRAY FUNCTIONAL) (CDR (GET (QUOTE FCA) (CDR DL)))))
(X SYMBCL (GET (QUOTE PROTECT) (CDR DL))) (Y INTEGER 0))
(IF (AND X (MEMBER (QUOTE WRITE) (CDR X))) (RETURN NIL))
(SET BUFLCC (CDR (GET (QUOTE BUF) (CDR DL)))))
(LOCSET LMG (IA 1))
(LOCSET RMG (IA 2))
(LOCSET MAXCCL (IA 3))
(LOCSET TOP (IA 4))
(LOCSET BCT (IA 5))
(LOCSET PAGE (IA 6))
(LOCSET RECORD (IA 7))
(LOCSET WPL (IA 8))
(LOCSET CURCCL (IA 9))
(LOCSET CURLINE (IA 10))
(LOCSET SUMLINE (IA 11))
(LOCSET NAME (IA 12))
(LOCSET STATUS (IA 13))
(LOCSET SECTR (IA 14))
(LOCSET MAXSEC (IA 15))
(LOCSET SIZE (IA 16))
(LOCSET COUNT (IA 17))
(LOCSET RMGO (FA 3))
(LOCSET BOTO (FA 2))
(LOCSET MOVE (FA 4))
(LOCSET KEY (FA 8))
(IF (GR SUMLINE 1) (SET Y (TIMES (PLUS -1 SUMLINE) WPL)))
(LOCSET LINELOC (BUFLOC Y))
(SET X CURFN) (SET CURFN FN) (RETURN X))))))
(FUNCTION ((INPUT . LISP) SYMBOL)
((FN SYMBCL))
(IF (EQN FN ICURFN)
FN (BLOCK ((DL SYMBCL (GET FN FILES.)))
(IF (NULL DL) (RETURN (ERROR MSG4)))
(BLOCK ((IA (ARRAY INTEGER) (CDR (GET (QUOTE ICA) (CDR DL)))))
(FA (ARRAY FUNCTIONAL) (CDR (GET (QUOTE FCA) (CDR DL)))))
(SA (ARRAY SYMBOL) (CDR (GET (QUOTE SCA) (CDR DL)))))
(X SYMBCL (GET (QUOTE PROTECT) (CDR DL))) (Y INTEGER 0))
(IF (AND X (MEMBER (QUOTE READ) (CDR X))) (RETURN NIL))
(SET IBUFLCC (CDR (GET (QUOTE BUF) (CDR DL)))))
(LOCSET ILMG (IA 1))
(LOCSET IRMG (IA 2))
(LOCSET IMAXCOL (IA 3))
(LOCSET ITCP (IA 4))
(LOCSET IBCT (IA 5))
(LOCSET IPAGE (IA 6))
(LOCSET IRECCRD (IA 7))
(LOCSET IWPL (IA 8)))

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(LOCSET ICURCOL (IA 9))	0056800
(LOCSET ICURLINE (IA 10))	0056900
(LOCSET ISUMLINE (IA 11))	0057000
(LOCSET INAME (IA 12))	0057100
(LOCSET ISTATUS (IA 13))	0057200
(LOCSET ISECTOR (IA 14))	0057300
(LOCSET IMAXSEC (IA 15))	0057400
(LOCSET ISIZE (IA 16))	0057500
(LOCSET ICOUNT (IA 17))	0057600
(LOCSET TTYMAX (IA 18))	0057700
(LOCSET IRMGC (FA 1))	0057800
(LOCSET IBCTC (FA 2))	0057900
(LOCSET IMCVE (FA 5))	0058000
(LOCSET XXFUNC (FA 6))	0058100
(LOCSET IKEY (FA 7))	0058200
(LOCSET XXSAVE (SA 1))	0058300
(IF (GR ISUMLINE 1) (SET Y (TIMES (PLUS -1 ISUMLINE) IWPL)))	0058400
(LOCSET ILINELOC (IBUFLOC Y))	0058500
(SET X ICURFN) (SET ICURFN FN) (RETURN X))))))	0058600
(PCPOSITION (SECTION (IC LISP SYS) SYMBOL)	0058700
(FUNCTION ((POSITION . LISP) SYMBOL))	0058800
((F SYMBOL) (A INTEGER))	0058900
(BLOCK ((CL SYMBOL (GET F FILES.)))	0059000
(IF (NULL DL)	0059100
(RETURN (ERROR MSG4)) (OR (LS A 1) (GR A 8)) (RETURN NIL))	0059200
(BLOCK ((U SYMBOL (GET (QUOTE UNIT) (CDR DL)))))	0059300
(IF (NULL U)	0059400
(RETURN (ERRCR MSG6))	0059500
(EQ (CDR U) (QUOTE TAPE))	0059600
(GO TO) (EQ (CDR U) (QUOTE DISC)) (GO DO) (RETURN NIL))	0059700
TO (BLOCK ((N INTEGER 1))	0059800
(IF (LS A 3) (SET DL (INPUT F)) (SET DL (OUTPUT F)))	0059900
(CASE A (GO T1))	0060000
(GO T2) (GO T3) (GO T4) (GO T5) (GO T6) (GO T7) (GO T8))	0060100
T1 (SET N 0)	0060200
T2 (BLOCK ((X INTEGER (TIMESIRECORD (PLUS 1 (IQUOTIENT (PLUS	0060300
-1 IMAXCOL) 8)))) (S INTEGER 0))	0060400
T21 (SET S (MOVEI X FIXLOC))	0060500
(IF (CR (EQ N 0) (GQ S 4)) (GO T22))	0060600
(SET N (PLUS N 1))	0060700
(GO T21)	0060800
T22 (SET ISUMLINE 0)	0060900
(IF (LS S 4)	0061000
(SET U 1)	0061100
(GR S 5)	0061200
(BLOCK NIL (INPUT DL) (RETURN (ERROR MSG7)))	0061300
(LS N 2)	0061400
(SET U (IF (EQ S 4) (QUOTE ECF) (QUOTE EOT)))	0061500
(SET U (PLS N -1))) (INPUT DL) (RETURN U))	0061600
T5 (SET COUNT 100)	0061700
T3 T4 T6 T7 (SET (CORENTRY TNAME) NAME)	0061800
(SET (BIT 0 6 (CORENTRY ACTION)) (PLUS A 1))	0061900
(CODE (LCA (ENTRY TAPOS) (R L567.7)) (BUC (ENTRY DSPCHR)))	0062000
T8 (SET SUMLINE 0) (SET STATUS 1) (OUTPUT DL) (RETURN F))	0062100
DO (BLOCK ((N INTEGER 1))	0062200
(IF (OR (EQ A 3) (EQ A 4))	0062300
(SET DL (CUTPUT F)) (SET DL (INPUT F)))	0062400
(SET U F)	0062500
(CASE A (GO D1))	0062600
(GO D2) (GO D3) (GO D4) (GO D5) (GO D6) (GO D7) (GO D8))	0062700
D1 (IF (EQ ISECTOR IMAXSEC) (SET N 0))	0062800
(GO D21)	0062900
D2 (SET N (DIFFERENCE IMAXSEC ISECTOR))	0063000

D21 (IF (GR N 0) (SET U N) (SET U (QUOTE EOF)))	0063100
(SET ISECTOR (PLUS ISECTOR N))	0063200
(GO E8)	0063300
D3 D4 (PRINCF (OCT2CH 34Q))	0063400
(ENDCUT)	0063500
(IF (NQ ISUMLINE 1) (ENDOUTR))	0063600
(OUTPUT DL)	0063700
(RETURN U)	0063800
D6 (IF (GR ISECTOR 1)	0063900
(BLCK NIL (SET ISECTOR (PLUS ISECTOR -1)) (GO E8)))	0064000
D5 D7 (SET ICOUNT 100)	0064100
(SET ISECTOR 0)	0064200
D8 (SET ISUMLINE 0) (SET ISTATUS 1) (INPUT DL) (RETURN U))))	0064300
(READF (SECTION (IC LISP SYS) SYMBCL)	0064400
(FUNCTION ((ENDIN . LISP) NOVALUE)	0064500
NIL (BLCK ((INDEX INTEGER 0))	0064600
(IF (EQ ISUMLINE 0) (BLOCK NIL (ENDINR) (GO E2)))	0064700
(SET ISUMLINE (PLUS ISUMLINE 1))	0064800
(SET ISTATUS 1)	0064900
(IF (GR ISUMLINE IRECORD) (BLOCK NIL (SET ISUMLINE 0) (GC E1)))	0065000
(SET ICURCOL ILMG)	0065100
(IF (GR ISUMLINE 1) (SET INDEX (TIMES (PLUS -1 ISUMLINE) IWPL)))	0065200
(LOCSET ILINECC (IBUFLOC INDEX))	0065300
E2 (SET ICURLINE (PLUS ICURLINE 1))	0065400
R1 (IF (EQ ICURLINE IBCT) (IBOTC))	0065500
(IF (GR ICURLINE IPAGE) (ENDINP) E1))	0065600
(FUNCTION ((ENDINR . LISP) NOVALUE)	0065700
NIL (BLCK NIL (CLEAR ICURFN))	0065800
(SET ISTATLS 2)	0065900
(IMOVE)	0066000
(SET ISUMLINE 1)	0066100
(SET ICURCOL ILMG)	0066200
(LOCSET ILINECC (IBUFLOC 0))	0066300
(IF (EQ ISTATUS 4) (SETCHAR (OCT2CH 34Q) ILINECC ICURCOL)))	0066400
(FUNCTION ((ENDINP . LISP) NOVALUE)	0066500
NIL (BLOCK ((X INTEGER (PLUS ITCP IPAGE (MINUS ICURLINE)))	0066600
(Y INTEGER 0))	0066700
(FOR Y (STEP 1 1 GR X))	0066800
(BLOCK NIL (ENDIN) (IF (GR ISTATUS 2) (GO T1))))	0066900
T1 (SET ICURLINE ITCP)))	0067000
(FUNCTION ((READWORD . LISP) OCTAL)	0067100
NIL (BLCK ((X CCTAL)))	0067200
(IF (EQ 6 IWPL)	0067300
(ERROR MSG5)	0067400
(EQ ISTATUS 4)	0067500
(IKEY)	0067600
(EQ ISUMLINE C)	0067700
(ENDINR)	0067800
(GR ISUMLINE ISIZE) (ENDINR) (EQ ISTATUS 4) (RETURN X))	0067900
(SET X (IBUFLOC ISUMLINE))	0068000
(SET ISUMLINE (PLUS 1 ISUMLINE)) (RETURN X))	0068100
(FUNCTION ((READCH . LISP) SYMBOL)	0068200
NIL (BLCK ((SW INTEGER 1) (X SYMBOL (OCT2CH 0Q))))	0068300
(IF XXSAVE (BLCK NIL (SET X XXSAVE) (SET XXSAVE NIL) (GC BB)))	0068400
(EQ ISTATLS 4)	0068500
(IF (EQ 0 ISUMLINE)	0068600
(BLOCK NIL (IKEY) (ENDINR))	0068700
(BLOCK NIL (SET ISUMLINE 0) (SET X (OCT2CH 34Q)) (GO BB)))	0068800
(IF (EQ ISUMLINE 0) (ENDINR))	0068900
(IF (EQ ICURCOL IRMG)	0069000
(BLOCK NIL (SET ISTATUS 0)	0069100
(IRMGO) (IF (GR ISTATUS 0) (SET SW 2)))	0069200
(IF (GR ICURCOL IMAXCOL) (BLOCK NIL (SET SW 2) (ENDIN))))	0069300

(CASE SW (GC AA) (GC BB))	0069400
AA (SET X ((GETCHAR . IO) ILINELCC ICURCOL))	0069500
(SET ICURCCL (PLUS ICURCOL 1)) BB (RETURN X)))	0069600
(SECTION (IO LISP SYS) SYMBOL)	0069700
(FUNCTION ((GETID . LISP) SYMBOL) ((A SYMBOL)))	0069800
(FUNCTION ((MAKEID . LISP) SYMBOL) ((A (ARRAY OCTAL))))	0069900
(FUNCTION ((MAKIC . FSM) SYMBOL) NIL)	0070000
(FUNCTION ((MAKICB . FSM) SYMBOL) NIL)	0070100
(FUNCTION ((MGENID . FSM) SYMBOL) NIL)	0070200
(FUNCTION ((SYM2CCT . LISP) OCTAL) ((A SYMBOL)))	0070300
(FUNCTION (RCNV CCTAL)	0070400
((A SYMBOL)) (BLOCK ((B REAL A)) (RETURN (R20. B))))	0070500
(FUNCTION (ICNV CCTAL)	0070600
((A SYMBOL)) (BLOCK ((B INTEGER A)) (RETURN (I20. B))))	0070700
(FUNCTION (REFUNC SYMBOL) NIL)	0070800
(FUNCTION (SYMARY SYMBOL) NIL)	0070900
(FUNCTION (BCLARY SYMBOL) NIL)	0071000
(FUNCTION (FNCARY SYMBOL) NIL)	0071100
(FUNCTION (NUMULT SYMBOL)	0071200
((TYPE SYMBOL) (CNV (FUNCTIONAL CCTAL SYMBOL)))	0071300
(ERROR (QUOTE (MULTI-DIMENSIONAL ARRAYS ILLEGAL))))	0071400
(DECLARE (READL BOOLEAN FLUID NIL) (READA BOOLEAN FLUID NIL))	0071500
(FUNCTION (RCWREAD SYMBOL)	0071600
((TYPE SYMBOL) (CNV (FUNCTIONAL CCTAL SYMBOL)) (L SYMBOL))	0071700
(BLOCK ((S SYMBOL))	0071800
A (SET S (READ))	0071900
(IF READL (BLOCK NIL (SET L (CENS (CNV S) L)) (GO A))	0072000
(NQ S 3) (RETURN (ERRCR (QUOTE (ILLEGAL ARRAY SYNTAX))))))	0072100
(BLOCK ((I INTEGER (LENGTH L)))	0072200
(BLOCK ((AR (ARRAY OCTAL) (CREATE I TYPE O)))	0072300
(FOR I (STEP I -1 LS 1)	0072400
(BLOCK NIL (SET (AR I) (CAR L)) (SET L (CDR L))))	0072500
(RETURN AR))))))	0072600
(FUNCTION ((ARREAD . LISP) SYMBOL)	0072700
NIL (BLOCK ((TYPE SYMBOL (READ)))	0072800
(IF (EQ TYPE (QUOTE FUNCTION))	0072900
(RETURN (REFUNC))	0073000
(EQ TYPE (QUOTE SYMBOL))	0073100
(RETURN (SYMARY))	0073200
(EQ TYPE (QUOTE BOOLEAN))	0073300
(RETURN (BCLARY))	0073400
(EQ TYPE (QUOTE FUNCTIONAL)) (RETURN (FNCARY)))	0073500
(BLOCK ((CNV (FUNCTIONAL OCTAL SYMBOL)))	0073600
(IF (EQ TYPE (QUOTE REAL))	0073700
(SET CNV RCNV)	0073800
(EQ TYPE (QUOTE INTEGER))	0073900
(SET CNV ICNV)	0074000
(EQ TYPE (QUOTE OCTAL))	0074100
(SET CNV SYM2OCT)	0074200
(RETURN (ERRCR (CENS TYPE (QUOTE (ILLEGAL ARRAY TYPE))))))	0074300
(BLOCK ((READL BOOLEAN FLUID TRUE)	0074400
(READA BOOLEAN FLUID TRUE) (L SYMBOL))	0074500
(SET L (READ))	0074600
(IF READA (SET READA NIL) (RETURN (NUMULT TYPE CNV)))	0074700
(RETURN (IF READL (RCWREAD TYPE CNV (LIST (CNV L))))	0074800
(EQ L 3)	0074900
(CREATE O TYPE ())	0075000
(ERROR (QUOTE (ILLEGAL ARRAY SYNTAX))))))))	0075100
(FUNCTION ((RDLIST . LISP) SYMBOL)	0075200
NIL (BLOCK ((S SYMBOL (LIST NIL))	0075300
(R SYMBOL) (READL BOOLEAN FLUID TRUE) (P SYMBOL))	0075400
(SET P S)	0075500
A (SET R (READ))	0075600

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(IF READL (BLOCK NIL (SET P (SET (CDR P) (LIST R))) (GO A))) 0075700
(CASE R (BLOCK NIL (SET (CDR P) (READ)))
  (SET READL TRUE)
  (SET R (READ))
  (IF (OR READL (NQ R 2)) (GO ERR) (RETURN (CDR S)))) 0075800
  (RETURN (CDR S)) (GO ERR)) 0075900
  C  ERR (RETURN (ERROR (QUOTE (ILLEGAL LIST STRUCTURE)))))) 0076000
(SECTION FSM SYMBOL) 0076100
(FUNCTION (TCKEN INTEGER) NIL) 0076200
(DECLARE (FSMSYM SYMBOL CWN) 0076300
  (FSMOCT OCTAL CWN) (FSMREL REAL CWN) (SPFLAG BOOLEAN OWN NIL)) 0076400
(SECTION (IO LISP FSM SYS) SYMBOL) 0076500
(FUNCTION ((READ . IC) SYMBOL) 0076600
  NIL (BLCK ((N INTEGER))) 0076700
  A (CASE (SET N (TOKEN))) 0076800
  (RETURN (MGENID)) 0076900
  (RETURN FSMSYM) 0077000
  (RETURN FSMCCT) 0077100
  (RETURN (C2I. FSMOCT)) 0077200
  (RETURN FSMREL) 0077300
  (BLOCK ((Y (ARRAY CCTAL) FSMSYM)) 0077400
  (BLOCK ((X SYMBOL (READ)))) 0077500
  (IF (NUMBP X)) 0077600
  (RETURN (IF (EQ ((GETCHAR . LISP) Y 1) (QUOTE '+))
    X (MINUS X))) (SET FSMSYM (SCONCS Y FSMSYM)) (GO B2))) 0077700
  (RETURN (RDLIST)) 0077800
  (IF READA (BLCK NIL (SET READA NIL) (RETURN 5))
  (RETURN (ARREAD))) 0077900
  (GO A)) 0078000
  (GO A)) 0078100
  C  (RETURN ((MAKEID . LISP) FSMSYM)) 0078200
  (RETURN (MAKICB)) 0078300
  (LABEL MID (BLOCK NIL (SET SPFLAG NIL)) 0078400
  (RETURN ((MAKID . FSM)))) 0078500
  (GO MID)) 0078600
  (LABEL GID (RETURN ((GETID . LISP) FSMSYM))) 0078700
  (IF (CR READA READL)) 0078800
  (BLOCK NIL (ERROR (QUOTE (DATA.SEPARATOR READ WITHIN
    S.EXPRESSION))) (GO A)) (GC GID)) (GO B1)) 0078900
  B1 (IF READL (BLOCK NIL (SET READL NIL)) 0079000
  (RETURN (PLUS N -16)))) 0079100
  B2 (RETURN (ERROR (CCNS FSMSYM (QUOTE (ILLEGAL S.EXPRESSION)))))))) 0079200
  (FUNCTION ((READ . LISP) SYMBOL) 0079300
  NIL (BLCK ((READL BOOLEAN FLUID FALSE)
    (READA BOOLEAN FLUID FALSE)) (RETURN ((READ . IO)))))) 0079400
  (GO B1)) 0079500
  (PRINTF (SECTION (IO LISP SYS) SYMBOL)) 0079600
  (FUNCTION ((ENDOLT . LISP) NOVALUE) 0079700
  NIL (BLCK ((INDEX INTEGER 0))
    (SET SUMLINE (PLUS SUMLINE 1))
    (SET STATUS 1)
    (IF (GR SUMLINE RECORD) (BLOCK NIL (ENDOUTR) (GO E1)))
    (SET CURCOL LMG)
    (IF (GR SUMLINE 1) (SET INDEX (TIMES (PLUS -1 SUMLINE) WPL)))
    (LOCSET LINELOC (BUFLOC INDEX))
    E1 (SET CURLINE (PLUS CURLINE 1))
    P1 (IF (EQ CURLINE BCT) (BOTO))
    (IF (GR CURLINE PAGE) (ENDOUTP)))))) 0079800
  (FUNCTION ((ENDOLTR . LISP) NOVALUE) 0079900
  NIL (BLCK NIL (MCVE)) 0080000
  (CLEAR CURFN)
  (SET SUMLINE 1) (SET CURCOL LMG) (LOCSET LINELOC (BUFLOC 0))) 0080100
  (FUNCTION ((ENDOLTP . LISP) NOVALUE) 0080200
  NIL (BLCK ((X INTEGER (PLUS TOP PAGE (MINUS CURLINE)))) 0080300
  (GO E1))) 0080400
  (GO E1))) 0080500
  (GO E1))) 0080600
  (GO E1))) 0080700
  (GO E1))) 0080800
  (GO E1))) 0080900
  (GO E1))) 0081000
  (GO E1))) 0081100
  (GO E1))) 0081200
  (GO E1))) 0081300
  (GO E1))) 0081400
  (GO E1))) 0081500
  (GO E1))) 0081600
  (GO E1))) 0081700
  (GO E1))) 0081800
  (GO E1))) 0081900

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(Y INTEGER 0)) 0082000
  (FOR Y (STEP 1 1 GR X) (ENDOUT)) T1 (SET CURLINE TOP))) 0082100
  (FUNCTION ((PRINSTRING . LISP) SYMBOL) 0082200
    ((SS SYMBOL)) 0082300
    (BLOCK ((X INTEGER (STRINGL SS)) 0082400
      (Y INTEGER) (Z INTEGER 1) (SA (ARRAY OCTAL) SS)) 0082500
      (BLOCK ((LNG INTEGER FLUID LOC Z)) 0082600
        (IF (NULL (PRMCDE . SYS)) 0082700
          (BLOCK NIL (FOR Y (STEP 1 1 GR X) 0082800
            (PRINCH ((GETCHAR . LISP) SA Y))) (GO XT))) 0082900
          (PRINCH (CCT2CH 43Q)) 0083000
          (FOR Y (STEP 1 1 GR X) 0083100
            (BLOCK ((Z SYMBOL ((GETCHAR . LISP) SA Y))) 0083200
              (IF (OR (EQ Z (QUOTE '')) 0083300
                (EQ Z (CCT2CH 43Q)) (EQ Z (CCT2CH 3Q))) 0083400
                (PRINCH (QUOTE '')) 0083500
                (NCT (NORMSP Z)) 0083600
                (BLOCK ((CH SYMBOL (NUMSTR (CH2OCT Z)))) 0083700
                  (PRINCH XXCHAR) 0083800
                  (PRINCH (QUOTE C)) 0083900
                  (BLOCK ((PRMODE BOOLEAN FLUID FALSE)) (PRINSTRING CH)) 0084000
                  (PRINCH XXDLIM) (GO XTFOR))) 0084100
                  (PRINCH Z) 0084200
                  (IF (EQ Z (XXCHAR . SYS)) (PRINCH (QUOTE I))) XTFOR)) 0084300
                  T1 (PRINCH (OCT2CH 43Q)) XT (RETURN SS)))) 0084400
    (FUNCTION ((PRINIC . LISP) SYMBOL) 0084500
      ((TT SYMBOL)) 0084600
      (BLOCK NIL (IF (NOT (IDP TT)) 0084700
        (RETURN NIL) 0084800
        (AND (GNMCDE . SYS) (GENIDP TT)) 0084900
        (BLOCK NIL (PRINCH (XXCHAR . SYS)) (PRINCH (QUOTE G)))) 0085000
        (IF (NCRMSP TT) 0085100
          (BLOCK (((PRMCDE . SYS) BOOLEAN FLUID FALSE)) 0085200
            (PRINSTRING (TOSTRG TT)) (GO XT)) 0085300
            (PRMCDE . SYS) (PRINCH (XXCHAR . SYS))) 0085400
            T2 (PRINSTRING (TOSTRG TT)) XT (RETURN TT))) 0085500
          (RCUTINE (IDNAME SYMBOL)) 0085600
          ((A SYMBOL)) 0085700
          (BLOCK NIL X (IF (IDP (SET A (02S. (BIT 0 18 (CORE (PLUS 1 (S20. A) 0085800
            )))))) (RETURN A) (GO X)))) 0085900
        (FUNCTION ((FVLIST . SYS) SYMBOL) ((S SYMBOL))) 0086000
        (FUNCTION ((PRINATOM . LISP) SYMBOL) 0086100
          (TT) 0086200
          (BLOCK ((X SYMBOL)) 0086300
            (IF (IDP TT) 0086400
              (BLOCK NIL (PRINIC TT) (GO B)) 0086500
              (ARRAYP TT) 0086600
              (BLOCK NIL (PRINARRAY TT) (GO B)) 0086700
              (STRINGP TT) 0086800
              (SET X TT) (NUMBP TT) (SET X (NUMSTR TT)) (GO C)) 0086900
            A (PRINSTRING X) 0087000
            B (RETURN TT) 0087100
            C (IF (FCRALP TT) 0087200
              (PRINSTRING (QUOTE (*STRING FORMAL ' )))) 0087300
              (OR (CWNP TT) (FLUIDP TT)) 0087400
              (GO D) (BCOLP TT) (BLOCK NIL (SET X (TOSTRG TT)) (GO A))) 0087500
            C (SET X (CCNS (IDNAME TT) (02S. (BIT 24 18 (CORE (S20. TT)))))) 0087600
            (PRIN (CCNS X (FVLIST TT))) (GO B))) 0087700
        (FUNCTION C2B2S ((X OCTAL)) (INQ X C)) 0088000
        (FUNCTION O2F2S ((X OCTAL)) (O2F. X)) 0088100
        (FUNCTION C2R2S ((X OCTAL)) (O2R. X)) 0088200
      )
    )
  )
)

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(FLNCTION C2I2S ((X OCTAL)) (O2I. X)) 0088300
(FLNCTION ARTYPE ((S SYMBOL)) 0088400
(CASE (PLUS 1 (BIT 42 3 (CORE (S20. S)))) 0088500
  (QUOTE SYMBCL) 0088600
  (QUOTE BOCLEAN) 0088700
  (QUOTE OCTAL) 0088800
  (QUOTE INTEGER) 0088900
  (QUOTE REAL) 0089000
  (QUOTE FUNCTIONAL) (ERROR (QUOTE (ILLEGAL ARRAY TYPE)))) 0089100
(FLNCTION PRINSMAR ((X (ARRAY SYMBCL)) (N INTEGER)) 0089200
(BLOCK ((I INTEGER 1)) 0089300
  (FOR I (STEP I 1 EQ N)
    (BLOCK ((S SYMBOL (X I)))
      (PRINCH (QUOTE ' ))
      (IF (OR (ARRAYP S) (FORMALP S)) (PRINCH (QUOTE ' .)))
        (PRINO S))) (RETURN X))) 0089400
(FLNCTION (PRINARRAY . LISP) 0089500
((X (ARRAY CCTAL)))
  (IF (NOT (ARRAYP X))
    X (BLOCK ((N INTEGER (ARSIZE (S20. X)))
      (TYPE SYMBOL (ARTYPE X)))
      (PRINCH (QUOTE ' )) 0089600
      (PRINC TYPE)
      (IF (EQ TYPE (QUOTE SYMBOL))
        (PRINSMAR X N)
        (BLOCK ((I INTEGER 1)
          (CNV (FUNCTIONAL SYMBOL OCTAL)
            (IF (EQ TYPE (QUOTE BOOLEAN))
              C2B2S (EQ TYPE (QUOTE FUNCTIONAL))
              C2F2S (EQ TYPE (QUOTE REAL))
              C2R2S (EQ TYPE (QUOTE INTEGER))
              C2I2S (EQ TYPE (QUOTE OCTAL)) OCT2SYM OCT2SYM)))
          (FOR I (STEP I 1 EQ N)
            (BLOCK NIL (PRINCH (QUOTE ' )) (PRINO (CNV (X I)))))))
        (PRINCH (QUOTE ' )) (RETURN X)))) 0089700
(FLNCTION ((PRINWORD . LISP) OCTAL) 0089800
((X OCTAL))
  (BLOCK NIL (IF (EQ 6 WPL)
    (ERROR MSG5)
    (EQ STATUS 4)
    (KEY)
    (GR SLMLINE RECORD) (ENDOUTR) (EQ SUMLINE 0) (SET SUMLINE 1))
    (SET (BUFLCC SLMLINE) X)
    (SET SLMLINE (PLUS 1 SUMLINE)) (RETURN X)))
  (FUNCTION ((PRINT . LISP) SYMBOL) 0090900
    ((X SYMBOL)) (BLOCK NIL (PRIN X) (ENDOUT) (RETURN X)))
  (FLNCTION ((PRINC . LISP) SYMBOL) 0091000
    ((X SYMBOL))
    (BLOCK ((J SYMBCL))
      (IF (ATOM X) (GO P4))
      (SET J X)
      (PRINCH (QUOTE '()))
      P1 (PRINO (CAR J))
      (IF (NULL (CDR J)) (GO P3))
      (PRINCH (QUOTE ' ))
      (IF (ATOM (CDR J)) (GO P2))
      (SET J (CDR J))
      (GO P1)
      P2 (PRINCH (QUOTE ' .))
      (PRINCH (QUOTE ' )) (PRINATOM (CDR J)) P3 (PRINCH (QUOTE ')))
      (RETURN X) P4 (PRINATOM X) XT (RETURN X)))
    (FLNCTION ((SYMPRINT . LISP) SYMBCL) 0094400
      ((X SYMBOL)) (BLOCK NIL (SYMPRIN X) (ENDOUT) (RETURN X))) 0094500

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(FUNCTION ((SYMPRIN . LISP) SYMBOL) 0094600
((X SYMBOL)) 0094700
(BLOCK (((PRMCODE . SYS) BOOLEAN FLUID TRUE)) (RETURN (PRINO X))) 0094800
(FUNCTION ((PRIN . LISP) SYMBOL) 0094900
((X SYMBOL)) 0095000
(BLOCK (((PRMCODE . SYS) BOOLEAN FLUID FALSE)) 0095100
(RETURN (PRINO X))) 0095200
(FUNCTION ((PRINCH . LISP) SYMBOL) 0095300
((X SYMBOL)) 0095400
(BLOCK ((SW INTEGER 1)) 0095500
(IF (EQ STATUS 4) (KEY)) 0095600
(IF (EQ SUMLINE 0) 0095700
(BLOCK NIL (SET SUMLINE 1) 0095800
(SET CURCOL LMG) (LOCSET LINELOC (BUFLOC 0)))) 0095900
(IF (EQ X (CCT2CH 0G)) (BLOCK NIL (SET SW 2) (ENDOUT))) 0096000
(IF (EQ CURCCL RMG) (RMGO)) 0096100
(IF (GR CURCCL MAXCCL) (ENDOUT)) 0096200
(CASE SW (GO AA) (GO BB)) 0096300
AA (SETCHAR X LINELOC CURCCL) 0096400
(SET CURCOL (PLUS CURCCL 1)) BB (RETURN X))) 0096500
(MCVEO (SECTION (IC LISP SYS) SYMBOL) 0096600
(RCUTINE (MOVEC INTEGER) 0096700
(S INTEGER) (B OCTAL LCC)) 0096800
(BLOCK NIL (CCDE (ACR A.) (STF (ENTRY MLOC))) 0096900
(SET (CORENTRY MSIZE) S) 0097000
(SET (CORENTRY MNAME) NAME) 0097100
(SET (CORENTRY MINCUT) (CORENTRY OUT)) 0097200
(SET (CORENTRY MSECTR) SECTOR) 0097300
(CODE (LDA (ENTRY MCALL) (RA R)) (BUC (ENTRY DSPCHR))) 0097400
(RETURN (BIT 0 6 (CORENTRY MSTAT)))) 0097500
(FUNCTION (OUTTY NOVALUE) 0097600
NIL (BLCK NIL (SETCHAR (CCT2CH 3) LINELOC CURCOL) 0097700
(T8X12) (MCVEO 19 FIXLOC XT)) 0097800
(FLNCTION (OUTAPE NOVALUE) 0097900
NIL (BLCK ((Y INTEGER 0) (J INTEGER 2) (I INTEGER 1)) 0098000
(SETBUF FIXLOC 606060606060606Q1) 0098100
(SETCHAR (CCT2CH 36G) LINELOC CURCCL) 0098200
TO (LOCSET LINELOC (BUFLOC Y)) 0098300
T1 (IF (T8X6 77Q LINELOC FIXLOC J I) (GO T2)) 0098400
(SET J (PLLS J 1)) 0098500
(SET I (PLUS I 1)) 0098600
(IF (LG I MAXCCL) (GO T1)) 0098700
(SET I 0) 0098800
(T8X6 77Q LINELOC FIXLOC J I) 0098900
(SET J (PLLS J 2)) 0099000
(SET I 1) 0099100
(SET Y (PLLS Y WPL)) 0099200
(GO TO) 0099300
T2 (IF (LG (MOVEC (TIMES RECORD (PLUS 1 (IQUOTIENT (PLUS MAXCOL
-1) 8))) FIXLCC) 3) (GO XT)) (SET STATUS 5) XT)) 0099400
0099500
(FLNCTION (OLTDISC NOVALLE) 0099600
NIL (BLCK ((Y INTEGER 0) (J INTEGER 1) (I INTEGER 1)) 0099700
(IF (LG SECTOR MAXSEC) (GO T1)) 0099800
(IF (LG (MCDIFY) 3) (GO TO)) 0099900
(SET STATUS 4) 0100000
(GO XT) 0100100
TO (SET MAXSEC (PLUS MAXSEC 8)) 0100200
T1 (SETBUF FIXLOC 606060606060606Q1) 0100300
(SETCHAR (CCT2CH 36G) LINELOC 8G) 0100400
T2 (LOCSET LINELOC (BUFLOC Y)) 0100500
T3 (IF (T8X6 76Q LINELOC FIXLOC J I) (GO T4)) 0100600
(SET J (PLLS J 1)) 0100700
(SET I (PLUS I 1)) 0100800

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(IF (LS I 80) (GO T3))	C100900
(IF (T8X6 76Q LINELOC FIXLOC J I) (GO T4))	0101000
(SET I 0)	C101100
(T8X6 76Q LINELOC FIXLOC J I)	0101200
(SET J (PLUS J 1))	0101300
(SET I 1)	0101400
(SET Y (PLUS Y WPL))	0101500
(GO T2)	0101600
T4 (SEQNC)	C101700
(IF (LG (MCVEO 512 FIXLOC) 3) (GO T5))	0101800
(SET STATUS 5) (GO XT) T5 (SET SECTOR (PLUS SECTOR 1)) XT))	C101900
(FUNCTION (OUTPAS NOVALUE)	C102000
NIL (BLCK ((X INTEGER))	0102100
(LOCSET LINELOC (BUFLOC 0))	0102200
(SET X (MOVEC (TIMES RECORD WPL) LINELOC))	C102300
(IF (LQ X 3) (GO XT)) (SET STATLS 5) XT))	C102400
(FUNCTION (OUTDCAS NOVALUE)	C102500
NIL (BLCK ((X INTEGER))	0102600
(Y INTEGER) (Z INTEGER (TIMES RECORD WPL)))	C102700
(SET Y (IQUOTIENT (PLUS Z -1) 512))	0102800
(IF (LQ (PLUS SECTOR Y) MAXSEC) (GO T1))	0102900
(SET X (MODIFY))	0103000
(IF (LQ X 3) (GO T0))	C103100
(SET STATUS 4)	0103200
(GO XT)	0103300
T0 (SET MAXSEC (PLUS MAXSEC 8))	C103400
T1 (LOCSET LINELOC (BUFLOC 0))	0103500
(SET X (MOVEC Z LINELOC))	0103600
(IF (LQ X 3) (GO T2))	C103700
(SET STATUS 5) (GO XT) T2 (SET SECTOR (PLUS SECTOR Y 1)) XT))	C103800
(FUNCTION (T8X6 BOOLEAN)	C103900
((EOR OCTAL)	0104000
(SOURCE OCTAL LOC) (SINK OCTAL LCC) (J INTEGER) (I INTEGER))	C104100
(BLOCK ((X CCTAL))	0104200
(IF (EQ I C) (BLOCK NIL (SET X 32Q14) (GO AB)))	0104300
(SET X (CH2OCT ((GETCHAR . IO) SOURCE I)))	0104400
(CODE (BXE (LABEL TECR) A 36Q) (BXE (LABEL TEOF) A 34Q))	C104500
(SET X (CNVRTB (PLUS X 1)))	C104600
AB (CODE (LDL X L7.C)	0104700
T1 (BUC (LABEL T2)) 3)	0104800
(STZ A.)	C104900
(RETURN)	0105000
T2 (LDA J)	C105100
(STZ B.)	C105200
(SOR A.)	C105300
(LDM A.)	C105400
(SFC 3 R)	C105500
(ADD SINK RA)	0105600
(AOR A. (RA S))	0105700
(LDX A. 0 2)	C105800
(STZ A.)	0105900
(SFC -3 R)	C106000
(XEC (LABEL T3) A)	C106100
(BUC C 3)	C106200
T3 (STL 0 (S7.0 2))	C106300
(STL C (S7.1 2))	0106400
(STL C (S7.2 2))	C106500
(STL C (S7.3 2))	0106600
(STL 0 (S7.4 2))	0106700
(STL 0 (S7.5 2))	C106800
(STL C (S7.6 2))	0106900
(STL C (S7.7 2))	0107000
TEOF (LDL 77Q (L567.7 R))	C107100

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(LDA 80 (L567.7 R))          C107200
(BSX ((LABEL T2) 1) 3 ((LABEL TEOR) 2))    C107300
TEOR (LCL ECR RA)           C107400
(BUC (LABEL T2) 0 3) (LDA 1 (RA R)) (RETURN))) C107500
(RCUTINE (T8X12 NOVALUE)      C107600
NIL (BLCK ((C INTEGER)       C107700
(Y INTEGER 0) (I INTEGER 1) (J INTEGER 1))     C107800
ST (LCCSET LINELOC (BUFLOC Y))      C107900
ST1 (IF (EQ 3 (SET C (PLUS (MINUS CHO)
(S20. ((GETCHAR . IO) LINECC I)))))) (GO TECM)) C108000
(SET C (BIT 24 12 (CNVRTB (PLUS C 1))))      C108200
(CODE (LDL C) (LDA J) (BUC (LABEL T2) 0 3))    C108300
(SET I (PLUS I 1))             C108400
(SET J (PLUS J 1))             C108500
(IF (LQ I MAXCCL) (GO ST1))      C108600
(SET Y (PLUS Y WPL))           C108700
(SET I 1)                      C108800
(GO ST)                         C108900
T2 (CODE (STZ B.))            C109000
(SOR A.)                        C109100
(LDM A.)                        C109200
(SFC 2 R)                       C109300
(ADD (ENTRY FIXBUF) (RA R))      C109400
(AOR A. (RA S))                 C109500
(LDX A. 0 2)                     C109600
(STZ A.)                         C109700
(SFC -2 R)                       C109800
(XEC (LABEL T3) A)               C109900
(BUC C 3)                        C110000
T3 (STL 0 (S67.1 2))           C110100
(STL C (S67.3 2)) (STL 0 (S67.5 2)) (STL 0 (S67.7 2)) C110200
TEOM (CODE (LDL 15Q (RA R))      C110300
(LDA J)                          C110400
(BUC (LABEL T2) 0 3)             C110500
(LDL 3 (RA R)) (LDA J) (AOR A. (RA S)) (BUC (LABEL T2) 0 3)))) C110600
(MCVEI (ROUTINE (MCVEI INTEGER)   C110700
((S INTEGER) (B OCTAL LCC))      C110800
(BLOCK NIL (CODE (ACR A.) (STF (ENTRY MLOC)))
(SET (CORENTRY MSIZE) S)         C110900
(SET (CORENTRY MNAME) INAME)      C111000
(SET (CORENTRY MINCCL) (CORENTRY IN)) C111100
(SET (CORENTRY MSECTR) ISECTOR)    C111200
(CODE (LDA (ENTRY MCALL) (RA R)) (BUC (ENTRY DSPCHR))) C111300
(SET ISIZE (CORENTRY MWDSIN))     C111400
(RETURN (BIT 0 6 (CORENTRY MSTAT)))) C111500
(FUNCTION (INTTY NOVALUE)        C111600
NIL (BLCK NIL (IF (NQ DDSW 0) (ICINI))      C111700
(BLOCK ((X INTEGER (TIMES IRECORD (PLUS 1 (IQUOTIENT (PLUS
IMAXCCL -1) 4))))))           C111800
(CODE (LDA (ENTRY BELL) (R L567.7))      C111900
(BUC (ENTRY DSPCHR)) (STX (DDSW . IO) 0 8)) C112000
(MOVEI X FIXLCC) (SET DDSW 0) (SET TTMAX (T12X8)))) C112100
(FUNCTION (INTAPE NOVALUE)        C112200
NIL (BLCK ((X INTEGER (TIMES IRECORD (PLUS 1 (IQUOTIENT (PLUS
IMAXCCL -1) 8))))))           C112300
(IF (LQ (SET X (PLUS -1 (MOVEI X FIXLOC))) 2)      C112400
(T6X8 IMAXCCL TRANTP) (SET ISTATUS X)))) C112500
(FUNCTION (INDISC NOVALUE)        C112600
NIL (BLCK ((X INTEGER))           C112700
TO (IF (LQ ISECTOR IMAXSEC) (GC T1))      C112800
(SET ISTATUS 4))                  C112900
(GO XT)                           C113000
T1 (SET X (MCVEI 512 FIXLOC))    C113100
                                         C113200
                                         C113300
                                         C113400

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(SET ISECTOR (PLUS ISECTOR 1)) 0113500
(IF (LQ X 3) (GO T2)) 0113600
(SET ISTATUS 5) 0113700
(GO XT) T2 (IF (T75) (GO T0)) (T6X8 80 TRANDC) XT) 0113800
(FUNCTION (INTPAS NOVALUE) 0113900
NIL (BLCK ((X INTEGER)) 0114000
(LOCSET ILINELCC (IBUFLOC 0)) 0114100
(SET X (PLUS -1 (MOVEI (TIMESIRECORD IWPL) ILINELCC))) 0114200
(IF (LQ X 2) (GO XT)) (SET ISTATUS X) XT) 0114300
(FUNCTION (INDCAS NOVALUE) 0114400
NIL (BLCK ((X INTEGER)) 0114500
(Y INTEGER) (Z INTEGER (TIMESIRECORD IWPL))) 0114600
(SET Y (PLUS 1 (IQUOTIENT (PLUS Z -1) 512))) 0114700
(IF (LQ (PLUS ISECTOR Y) IMAXSEC) (GO T0)) 0114800
(SET ISTATUS 4) 0114900
(GO XT) 0115000
TO (LOCSET ILINELOC (IBUFLOC 0)) 0115100
(SET X (MOVEI Z ILINELOC)) 0115200
(IF (LQ X 3) (GO T1)) 0115300
(SET ISTATUS 5) (GO XT) T1 (SET ISECTOR (PLUS ISECTOR Y 1)) XT) 0115400
(RCUTINE (T12X8 INTEGER) 0115500
NIL (BLCK ((Y INTEGER 1)) 0115600
(B6 INTEGER) 0115700
(I INTEGER 48) 0115800
(OCT CCTAL) 0115900
(L INTEGER) 0116000
(CH OCTAL C) 0116100
(S INTEGER 1) 0116200
(SO (ARRAY CCTAL) (C2S. (ENTRY FIXBUF))) (J INTEGER)) 0116300
ST (SET L Y) 0116400
(SET B6 48) 0116500
(SET OCT 0) 0116600
(SET J 1) 0116700
ST1 (IF (LS (SET I (PLUS I -12)) 0) 0116800
(BLOCK NIL (SET I 36) (SET S (PLUS S 1)))) 0116900
(SET CH (WRCRAND 177Q (BIT I 12 (SC S)))) 0117000
(IF (EQ CH 3Q) 0117100
(IF (EQ Y 1) (GO B) (GO B0)) 0117200
(LS (SET B6 (PLUS B6 -8)) 0) 0117300
(BLOCK NIL (SET (IBUFLOC L) OCT)) 0117400
(SET L (PLUS L 1)) (SET B6 40) (SET CCT 0))) 0117500
(BITSET B6 8 OCT (BIT 0 12 (CNVRTB (PLUS CH 1)))) 0117600
TO (SET J (PLUS J 1)) 0117700
(IF (LQ J IMAXCOL) (GO ST1)) 0117800
(SET Y (PLUS Y IWPL)) 0117900
(SET (IBUFLOC L) OCT) 0118000
(GO ST) 0118100
B0 (SET J 3Q15) B (SET (IBUFLOC L) OCT) (RETURN (PLUS J 1))) 0118200
(FUNCTION (T6X8 NOVALUE) 0118300
((COL INTEGER) (WHAT (FUNCTIONAL INTEGER OCTAL INTEGER))) 0118400
(BLOCK ((Y INTEGER 1)) 0118500
(B6 INTEGER) 0118600
(I INTEGER 48) 0118700
(OCT CCTAL) 0118800
(L INTEGER) 0118900
(CH OCTAL C) 0119000
(S INTEGER 1) 0119100
(SO (ARRAY CCTAL) (C2S. (ENTRY FIXBUF))) (J INTEGER)) 0119200
ST (SET L Y) 0119300
(SET B6 48) 0119400
(SET OCT 0) 0119500
(SET J 1) 0119600
ST1 (IF (LS (SET I (PLUS I -6)) 0) 0119700

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(BLOCK NIL (SET I 42) (SET S (PLUS S 1)))) 0119800
(CASE (WHAT (SET CH (BIT I 6 (SC S))) J) (GO TO) (GO B) NIL) 0119900
  CNV (IF (LS (SET B6 (PLUS B6 -8)) 0) 0120000
    (BLOCK NIL (SET (IBUFLOC L) OCT)
      (SET L (PLUS L 1)) (SET B6 40) (SET OCT 0))) 0120100
    (BITSET B6 8 OCT (BIT 12 12 (CNVRTB (PLUS CH 1)))) 0120200
    TO (SET J (PLUS J 1)) 0120300
    (IF (LQ J CCL) (GO ST1)) 0120400
    (SET Y (PLUS Y IWPL)) 0120500
    (SET (IBUFLCC L) OCT) 0120600
    (GO ST) 0120700
  B (SET (IBUFLCC L) OCT) (SET (IBUFLCC (PLUS Y IWPL)) 74Q13))) 0120800
  (RCUTINE (T75 BOCLEAN) 0120900
    NIL (EQ 75Q (BIT 0 6 (CORE (PLUS 10 (ENTRY FIXBUF))))))) 0121000
  (ALX (SECTION (LISP SYS) SYMBOL) 0121100
    (FLNCTION DEVTYPE (FILE) 0121200
      (IF (SET FILE (GET FILE (FILES. . IO))) 0121300
        (CDR (GET (QUOTE UNIT) FILE)) NIL)) 0121400
      (SECTION (IO LISP SYS) SYMBOL) 0121500
      (RCUTINE ((CLEAR . LISP) NOVALUE) 0121600
        ((FN SYMBOL)) 0121700
        (BLOCK ((DL SYMBOL (GET FN FILES.)) (BB (ARRAY OCTAL))) 0121800
          (IF (NULL DL) (GO XT)) 0121900
          (SET BE (CDR (GET (QUOTE BUF) (CDR DL)))) 0122000
          TO (SETBUF (BB 0) 0) XT)) 0122100
        (FLNCTION (SEQNO NOVALUE) 0122200
          NIL (BLOCK ((C INTEGER COUNT) 0122300
            (L INTEGER 10) (N INTEGER) (S INTEGER (PLUS -1 SUMLINE))) 0122400
            (FOR N (STEP 1 1 GR S) 0122500
              (BLOCK ((Z INTEGER (CVRTNM C))) 0122600
                (IF (LS C 1000) 0122700
                  (SET Z (BIT 30 18 Z)) 0122800
                  (LS C 10000) (SET Z (BIT 24 24 Z)) (SET Z (BIT 18 30 Z))) 0122900
                  (SET (BIT 6 42 (BLUFIX L)) Z) 0123000
                  (SET L (PLUS L 10)) (SET C (PLUS C 100))) 0123100
                  (SET (BIT 24 24 (BLUFIX 511)) CCOUNT) 0123200
                  (SET (BIT C 24 (BLUFIX 511)) (PLUS C -100)) 0123300
                  (SET (BIT 24 24 (BLUFIX 512)) S) 0123400
                  (SET (BIT C 24 (BLUFIX 512)) RECCRD) (SET COUNT C))) 0123500
                (RCUTINE ((GET . LISP) SYMBOL) 0123600
                  ((AA SYMBOL) (X SYMBOL)) 0123700
                  (BLOCK ((Y SYMBOL)) 0123800
                    G1 (IF (NULL X) (RETURN NIL)) 0123900
                    (SET Y (CAR X)) 0124000
                    (IF (ATOM Y) (GO G2) (EQN (CAR Y) AA) (RETURN Y)) 0124100
                    G2 (SET X (CDR X)) (GO G1))) 0124200
                  (FUNCTION (CVRTNM INTEGER) 0124300
                    ((FN SYMBOL)) 0124400
                    (BLOCK ((ST (ARRAY OCTAL) (TOSTRG FN))) 0124500
                      (RETURN (CVRTN1 (ST .) 1)))) 0124600
                  (FUNCTION (CHSPL SYMBOL) 0124700
                    NIL (BLOCK ((X SYMBOL)) 0124800
                      A (IF (NQ (S20. (SET X (READCH))) (CHO . SYS)) 0124900
                        (RETURN X) 0125000
                        (RETURN (CCT2CH (CASE ISTATUS 37Q 36Q 34Q 31Q 0Q))))))) 0125100
                  (FUNCTION (TTYSPL SYMBOL) 0125200
                    NIL (BLOCK ((X SYMBOL)) 0125300
                      A (IF (NQ (S20. (SET X (READCH))) (CHO . SYS)) 0125400
                        (RETURN X) 0125500
                        (GQ ICURCCL TTYMAX) 0125600
                        (BLOCK NIL (ENDIN) (GC A)) 0125700
                        (RETURN (CCT2CH (CASE ISTATUS 37Q 36Q 34Q 31Q 0Q))))))) 0125800
                  (RCUTINE ((GETCHAR . LISP) SYMBOL) 0125900
                    C (IF (NQ (S20. (SET X (READCH))) (CHO . SYS)) 0126000
                      (RETURN X) 0126100
                      (GQ ICURCCL TTYMAX) 0126200
                      (BLOCK NIL (ENDIN) (GC A)) 0126300
                      (RETURN (CCT2CH (CASE ISTATUS 37Q 36Q 34Q 31Q 0Q))))))) 0126400

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((A (ARRAY CCTAL)) (B INTEGER)) ((GETCHAR . IO) (A 0) B))	0126100
(RCUTINE ((GETCHAR . IO) SYMBOL))	0126200
((SS OCTAL LCC) (CC INTEGER))	0126300
(BLOCK NIL (CCDE (SCR A.)))	0126400
(LDM A.)	0126500
(MUL 1 (R L7))	0126600
(DVD 6 (R L7))	0126700
(ADD SS RA)	0126800
(AOR A. (RA S))	0126900
(LDA C A)	0127000
(TST B. 7C04Q3)	0127100
(BSX (LABEL G1) 1 -8)	0127200
(BSX (LABEL G1) 1 -16)	0127300
(BSX (LABEL G1) 1 -24)	0127400
(BSX (LABEL G1) 1 16)	0127500
(BSX (LABEL G1) 1 8)	0127600
(BSX (LABEL G1) 1 0)	0127700
G1 (CYA 0 (R 1))	0127800
(ANA (NUMBER 377Q)) (ADD (CHO . SYS) RA) (RETURN)))	0127900
(RCUTINE ((SETCHAR . IO) SYMBOL))	0128000
((CH SYMBOL) (SS OCTAL LOC) (CC INTEGER))	0128100
(BLOCK NIL (CCDE (SCR A.)))	0128200
(LDM A.)	0128300
(MUL 1 (R L7))	0128400
(DVD 6 (R L7))	0128500
(ADD SS RA)	0128600
(AOR A. (RA S))	0128700
(LDX A. 0 2)	0128800
(TST B. 7C04Q3)	0128900
(BSX (LABEL S1) 1 8)	0129000
(BSX (LABEL S1) 1 16)	0129100
(BSX (LABEL S1) 1 24)	0129200
(BSX (LABEL S1) 1 -16)	0129300
(BSX (LABEL S1) 1 -8)	0129400
(BSX (LABEL S1) 1 0)	0129500
S1 (LCB 377Q (RA R))	0129600
(LDA CH RA)	0129700
(SUB (CHO . SYS) (RA S))	0129800
(LDM A.)	0129900
(CYA C (R 1))	0130000
(CYB 0 (R 1)) (CON 0 (624Q4 2)) (LDA CH RA) (RETURN)))	0130100
(RCUTINE (CVRTN1 INTEGER))	0130200
((S OCTAL LCC) (I INTEGER))	0130300
(BLOCK NIL (CCDE (STZ PUSH.A.)))	0130400
TO (ARGS)	0130500
(LDA S)	0130600
(STF PUSH.P.)	0130700
(LDA I RA)	0130800
(CALL (GETCHAR . IC))	0130900
(SUB (CHO . SYS) (RA S))	0131000
(ADD 1 (R L567.7))	0131100
(ADD (CNVRTB . IC) L567.7)	0131200
(LDA C (L7.0 A))	0131300
(ADD TCP.)	0131400
(CYA -6 R)	0131500
(STF TOP.)	0131600
(AOR I RA) (BXL (LABEL TO) A 8) (LDA TOP.) (RETURN)))	0131700
(RCUTINE ((SETBUF . IC) NOVALUE))	0131800
((SINK CCTAL LOC) (K OCTAL))	0131900
(BLOCK NIL (CCDE (LDI 4 (R 7Q6))))	0132000
(LDX SINK C 2)	0132100
(LDX SINK (I L) 4)	0132200
(BAX (D. 2) 4 -1) (STF 1 (2 D)) (BPX (D. -1) 4 1)))	0132300

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(ROUTINE (INCMCV NOVALUE) 0132400
((INC INTEGER)) 0132500
(SET (BIT 0 6 (CORENTRY MCALL)) 0132600
(PLUS INC (BIT 0 6 (CORENTRY MCALL)))) 0132700
(FUNCTION (LCGTTY NOVALUE) 0132800
((C INTEGER) (M SYMBOL)) 0132900
(BLOCK ((CUTF SYMBOL (OUTPUT (QUOTE OTTY)))) 0133000
(INCMOV 1) 0133100
(SET (BIT C 6 (CORENTRY MPOST)) C) 0133200
(PRINT M) (INCMOV -1) (OUTPUT CUTF))) 0133300
(FUNCTION TOSTRG (A) 0133400
(IF (STRINGP A) 0133500
A (AND (IDP A) (NOT (GENIDP A))) 0133600
(IF (CHARP A) 0133700
(BLOCK NIL (SET (BIT 18 6 (CORE (S20. SHORWD))) 1) 0133800
(SET (CORE (PLUS 1 (S20. SHORWD))) (SHIFT (CH2OCT A) 4)) 0133900
(RETURN SHORWD)) 0134000
(BLOCK ((X CCTAL (BIT 18 6 (CORE (PLUS 1 (S20. A)))))) 0134100
(Y CCTAL (CORE (PLUS -1 (S20. A))))) 0134200
(IF (EQ C X) (RETURN (O2S. (BIT 0 18 Y)))) 0134300
(SET (CORE (PLUS 1 (S20. SHORWD))) Y) 0134400
(SET (BIT 18 6 (CORE (S20. SHORWD))) X) (RETURN SHORWD))) 0134500
(NUMBP A) (NUMSTR A) ((TOSTRG . LISP) A))) 0134600
(FUNCTION (TRANDC INTEGER) 0134700
((CH OCTAL) (J INTEGER)) 0134800
(IF (NQ J 8C) 0134900
3 (OR (EQ CH 32Q) (LS CH 76Q)) 0135000
1 (EQ CH 76Q)
2 (BLOCK NIL (SET ISECTOR (PLUS IMAXSEC 1)) (RETURN 2))) 0135200
(FUNCTION (TRANTP INTEGER) 0135300
((CH OCTAL) (J INTEGER)) (IF (EQ CH 32Q) 1 (EQ CH 77Q) 2 3))) 0135400
(RETYP (SECTION (IO LISP SYS) SYMBOL) 0135500
(FUNCTION ((FITATOM . LISP) SYMBOL) 0135600
((T SYMBOL))
(BLOCK ((L INTEGER)) 0135800
(IF (OR (ARRAYP T) (FLUIDP T) (CWNP T) (FORMALP T)) (GO EO)) 0135900
(SET L (STRINGL (TOSTRG T))) 0136000
(IF (LQ (PLUS CURCOL L 2) (IF (GR RMG MAXCOL) MAXCOL RMG)) 0136100
(GO RET)) EO (ENDOUT) RET (RETURN (PRINATOM T))) 0136200
(FUNCTION (B1 SYMBOL) 0136300
((S SYMBOL))
(BLOCK NIL (IF (GR CURCOL LMG) (ENDCUT)) 0136400
(PRINCH (QUOTE '()))
(FITATOM (CAR S)) 0136500
(PRINCH (QUOTE ' ))
(BLOCK ((Z INTEGER (DIFFERENCE CURCOL LMG)) 0136600
(LM INTEGER CURCOL) (E SYMBOL)) 0136700
(BLOCK ((LMG INTEGER FLUID LCC LM)) 0136800
(FOR E (IN (CDR S)))
(BLOCK NIL (IF (IDP E) 0136900
(BLOCK NIL (ENDOUT) 0137000
(SET CURCOL (PLUS LMG (MINUS Z))) 0137100
(FITATOM E) (PRINCH (QUOTE ' ))) 0137200
(BLOCK NIL (IF (GR CURCOL LMG) (ENDOUT) (SET CURCOL LMG)) 0137300
(F1 E)))))) (PRINCH (QUOTE '))) (RETURN S))) 0137400
(DECLARE (L1 SYMBOL FLUID (QUOTE (IF FOR AND OR FUNCTION RUTINE 0137500
SECTION MACRO))) 0137600
(L2 SYMBOL FLUID (QUOTE (BLOCK DECLARE CODE))) 0137700
(INDENT INTEGER OWN 40)) 0137800
(FUNCTION (F1 SYMBOL) 0137900
((S SYMBOL))
(BLOCK ((Z INTEGER (IF (GR LMG INDENT) 7 (PLUS LMG 1)))) 0138000
(BLOCK ((LMG INTEGER FLUID LOC Z)) 0138100

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(IF (ATOM S)
  (RETURN (FITATOM S))
  (ATOM (CDR S))
  (GO T1)
  (MEMBER (CAR S) L2)
  (RETURN (B1 S))
  (AND (MEMBER (CAR S) L1) (GR CURCOL LMG))
  (ENDCUT) (EQ (CAR S) (QUOTE LAP)) (GO T2))
T1 (BLOCK ((J SYMBOL S)
  (L INTEGER (IF (AND (ATOM (CAR S))
    (NOT (CR (ARRAYP (CAR S))
      (OWNP (CAR S)) (FLUIDP (CAR S)) (FORMALP (CAR S)))))))
  (STRINGL (TOSTRG (CAR S)) 8)))
  (IF (GR (PLUS CURCOL L 2) (IF (GR RMG MAXCOL) MAXCOL RMG))
    (ENDOUT))
  (PRINCH (QUOTE '()))
  T11 (F1 (CAR J))
  (IF (NULL (CDR J)) (GO T13))
  (PRINCH (QUOTE ' ))
  (IF (ATCM (CDR J)) (GO T12))
  (SET J (CDR J))
  (GO T11)
  T12 (PRINCH (QUOTE '.))
  (PRINCH (QUOTE ' )) (FITATOM (CDR J)) T13 (PRINCH (QUOTE ')))
  (RETURN S))
T2 (IF (GR CURCOL LMG) (ENDOUT))
  (PRINCH (QUOTE '()))
  (FITATCM (CAR S))
  (PRINCH (QUOTE ' ))
  (BLOCK ((LM INTEGER CURCOL))
    (BLCK ((LMG INTEGER FLUID LCC LM))
      (B1 (CADR S))
      (ENDOUT) (F1 (CADDR S)) (ENDCUT) (F1 (CADDR S))))
    (PRINCH (QUOTE '))) (RETURN S)))
(FUNCTION ((PRETTYP . LISP) SYMBOL)
  ((S SYMBOL))
  (BLOCK ((ZZ INTEGER 1))
    (BLOCK ((LMG INTEGER FLUID LOC ZZ))
      (IF (ATOM S) (FITATCM S) (F1 S)) (ENDOUT) (RETURN S)))))

****END OF FILE DETECTED

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(REMARK (LAMBDA (A) (QUOTE 9)))	0006400
(SPACER (LAMBDA (A) (QUOTE 10)))	0006500
(F1 (LAMBDA (A) (LIST (QUOTE BIT) 0 6 (CADR A))))	0006600
(F2 (LAMBDA (A) (LIST (QUOTE BIT) 6 3 (CADR A))))	0006700
(F3 (LAMBDA (A) (LIST (QUOTE BIT) 9 6 (CADR A))))	0006800
(F4 (LAMBDA (A) (LIST (QUOTE BIT) 15 3 (CADR A))))	0006900
(F5 (LAMBDA (A) (LIST (QUOTE BIT) 18 3 (CADR A))))	0007000
(F6 (LAMBDA (A) (LIST (QUOTE BIT) 21 3 (CADR A))))	0007100
(F7 (LAMBDA (A) (LIST (QUOTE BIT) 24 3 (CADR A))))	0007200
(F8 (LAMBDA (A) (LIST (QUOTE BIT) 27 3 (CADR A))))	0007300
(F9 (LAMBDA (A) (LIST (QUOTE BIT) 30 6 (CADR A))))	0007400
(F10 (LAMBDA (A) (LIST (QUOTE BIT) 36 3 (CADR A)))))	0007500
(FUNCTION (MAKEST SYMBOL) NIL))	0007600
(CHREAD (FUNCTION (CHREAD NOVALUE)	0007700
NIL (BLOCK NIL A1 (SET FSCHAR ((XXFUNC . IO))))	0007800
A14 (IF (EQ FSCHAR ((OCT2CH . LISP) 0Q))	0007900
(LABEL A15 (IF FSNUL (RETURN NIL) (GO A1)))	0008000
(BLOCK NIL (IF (NOT FSCHAR (XXCHAR . SYS)) (RETURN NIL)))	0008100
A2 (CHREAD)	0008200
(CASE (F10 (CHARRAY (PLUS 1 (S20. FSCHAR)	0008300
(MINUS (CHO . SYS))))))	0008400
(GO E1) (GO E2) (GO B3) (GO E4) (GO B1))	0008500
E1 (SET FSCHAR (XXCHAR . SYS))	0008600
(RETUR NIL)	0008700
E2 (CHREAD)	0008800
(CASE (F5 (CHARRAY (PLUS 1 (S20. FSCHAR)	0008900
(MINUS (CHO . SYS)))))) (GO B1) (GO E2) (GO B3) (GO E2))	0009000
B1 (SET FSCHAR ((CCT2CH . LISP) 25Q))	0009100
(RETUR NIL)	0009200
B3 (SET FSCHAR ((CCT2CH . LISP) 0Q))	0009300
(GO A15)	0009400
E4 (BLOCK ((C OCTAL 0Q)	0009500
(E INTEGER 0) (I INTEGER 0) (S INTEGER 1))	0009600
C0 (CHREAD)	0009700
(CASE (F6 (CHARRAY (PLUS 1 (S20. FSCHAR)	0009800
(MINUS (CHO . SYS))))))	0009900
(GO C1) (GO C2) (GO C3) (GO C4) (GO C5) (GO C0) (GO CE))	0010000
C1 (CASE S (GO C1S1))	0010100
(GO C1S2) (GO C1S3) (GO C1S4) (GO C1S3))	0010200
C1S1 (SET S 2)	0010300
C1S2 (SET O (WORDCOR (SHIFT C 3))	0010400
(DIFFERENCE (S20. FSCHAR) (S20. (QUOTE '0))))))	0010500
C1S4 (SET I (PLUS (TIMES 10 I))	0010600
(DIFFERENCE (S20. FSCHAR) (S20. (QUOTE '0))))))	0010700
(GO C0)	0010800
C1S3 (SET E (PLUS (TIMES 10 E))	0010900
(DIFFERENCE (S20. FSCHAR) (S20. (QUOTE '0))))))	0011000
(GO C0)	0011100
C2 (CASE S (GO C2S1))	0011200
(GO C2S1) (GO C1S3) (GO C1S4) (GO C1S3))	0011300
C2S1 (SET S 4)	0011400
(GO C1S4)	0011500
C3 (CASE S (GO CE) (GO C3S2) (GO C3S3) (GO C3S2))	0011600
CE (SET FSCHAR ((CCT2CH . LISP) 25Q))	0011700
(RETURN NIL)	0011800
C3S2 (SET C I)	0011900
C3S2A (IF (EQ E 0) (GO CR))	0012000
(SET E (PLUS E -1))	0012100
(SET C (TIMES 10 C))	0012200
(GO C3S2A)	0012300
C3S3 (SET O (SHIFT C (TIMES 3 E)))	0012400
CR (IF (AND (LQ 0 0) (LQ 0 177Q))	0012500
(SET FSCHAR ((CCT2CH . LISP) 0))	0012600

(SET FSCHAR ((CCT2CH . LISP) 25Q)))	0012700
(GO A14)	0012800
C4 (CASE S (GO CE) (GO C4S2) (GO CE))	0012900
C4S2 (SET S 3)	0013000
(GO CO)	0013100
C5 (CASE S (GO CE) (GO C5S2) (GO CE) (GO C5S2) (GO CE))	0013200
C5S2 (SET S 5) (GO CO))))))	0013300
(STSP (FUNCTION (STSP BCCLEAN))	0013400
NIL (BLCK ((I INTEGER))	0013500
SO (CHREAD)	0013600
(SET I (CHARRAY (PLUS 1 (CHEAT SYMBOL INTEGER FSCHAR)	0013700
(MINUS (CHEAT OCTAL INTEGER (CHO . SYS))))))	0013800
(CASE (PLUS 1 (F4 I))	0013900
(GO S1) (GO S4) (GO S3) (GO SO) (GO S5))	0014000
S1 (MAKEST)	0014100
(SET (XXSAVE . IO) FSCHAR)	0014200
(SET FSCHAR NIL)	0014300
(SET FSMSYM (MAKEST))	0014400
(RETURN FALSE)	0014500
S3 (SET FSNUL TRUE)	0014600
(CHREAD)	0014700
(SET FSNUL FALSE)	0014800
S4 (MAKEST)	0014900
(GO SO) S5 (SET FSCHAR NIL) (SET FSMSYM (MAKEST)) (RETURN TRUE))))	0015000
(LTRL (FUNCTION (LTRL NCVALUE))	0015100
NIL (BLCK ((P INTEGER 1))	0015200
F1 (MAKEST)	0015300
(CASE P (GO P1) (GO P2) (GO P3) (GO P4) (GO P5))	0015400
P1 (IF (EQ FSCHAR (QUOTE 'C)) (SET P 2) (SET P 5))	0015500
(GO P5)	0015600
P2 (IF (CR (EQ FSCHAR (QUOTE 'A)) (EQ FSCHAR (QUOTE 'D)))	0015700
(SET P 3) (SET P 5))	0015800
(GO P5)	0015900
P3 (IF (EQ FSCHAR (QUOTE 'R))	0016000
(BLOCK NIL (SET P 4) (GO P5)) (GO P2))	0016100
P4 (SET P 5)	0016200
P5 (CHREAD)	0016300
(IF (EQ F2 (CHARAY (PLUS 1 (CHEAT SYMBOL INTEGER FSCHAR)	0016400
(MINUS (CHEAT OCTAL INTEGER (CHO . SYS)))))) 1) (GO F1))	0016500
(SET (XXSAVE . IO) FSCHAR)	0016600
(SET FSCHAR NIL)	0016700
(SET FSMSYM (MAKEST)) (SET CARCER (EQ P 4)) (RETURN NIL))))	0016800
(OPER1 (FUNCTION (OPER1 NOVALUE))	0016900
NIL (BLCK NIL F1 (MAKEST))	0017000
(CHREAD)	0017100
(IF (EQ F1 (CHARAY (PLUS 1 (CHEAT SYMBOL INTEGER FSCHAR)	0017200
(MINUS (CHEAT OCTAL INTEGER (CHO . SYS)))))) 9) (GO F1))	0017300
(SET (XXSAVE . IO) FSCHAR)	0017400
(SET FSCHAR NIL) (SET FSMSYM (MAKEST)) (RETURN NIL))))	0017500
(OPER2 (FUNCTION (OPER2 INTEGER))	0017600
NIL (BLCK NIL (MAKEST))	0017700
(CHREAD)	0017800
(SET (XXSAVE . IO) FSCHAR)	0017900
(SET FSCHAR NIL)	0018000
(SET FSMSYM (MAKEST))	0018100
(CASE (PLUS 1 (F7 (CHARAY (PLUS 1 (CHEAT SYMBOL INTEGER (XXSAVE	0018200
. IO)) (MINUS (CHEAT OCTAL INTEGER (CHO . SYS)))))))	0018300
(RETURN (CPRTR)) (RETURN (SIGN))))))	0018400
(DCTL (FUNCTION (DCTL BCCLEAN))	0018500
NIL (BLCK ((I INTEGER))	0018600
(CHREAD)	0018700
(MAKEST)	0018800
(IF (AND (NG (SET I (F1 (CHARAY (PLUS (CHEAT SYMBOL INTEGER	0018900

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FSCHAR)
  (MINUS (CHEAT OCTAL INTEGER (CHO . SYS))) 1)))) 1) 0019000
  (NQ I 11)) 0019100
  (BLOCK NIL (SET (XXSAVE . IO) FSCHAR) 0019200
  (SET FSCHAR NIL) (SET FSMSYM (MAKEST)) (RETURN FALSE)) 0019300
  (BLOCK NIL G (CHREAD) 0019400
  (IF (EQ (F2 (CHARAY (PLUS I (CHEAT SYMBOL INTEGER FSCHAR)
    (MINUS (CHEAT OCTAL INTEGER (CHO . SYS)))))) 1) 0019500
    (BLOCK NIL (MAKEST) (GO G)) 0019600
    (BLOCK NIL (SET (XXSAVE . IC) FSCHAR) 0019700
    (SET FSCHAR NIL) (SET FSMSYM (MAKEST)) (RETURN TRUE)))))) 0019800
  (TCKEN (FUNCTION (TOKEN INTEGER) 0019900
  NIL (BLOCK ((I INTEGER) 0020000
    (S INTEGER) (CP INTEGER) (ES SYMBOL) (K1 INTEGER) (K2 INTEGER)) 0020100
    (CHREAD) 0020200
    (SET I (CHARAY (PLUS 1 (CHEAT SYMBOL INTEGER FSCHAR)
      (MINUS (CHEAT OCTAL INTEGER (CHO . SYS)))))) 0020300
    (CASE (F1 I) 0020400
      (GO C1) 0020500
      (GO C2) 0020600
      (GO C3) 0020700
      (GO C4) 0020800
      (GO C5) (GO C6) (GO C7) (GO C8) (GO C9) (GO C10) (GO C11) 0020900
    C1 (LTRL) 0021000
    (RETURN (LTRL)) 0021100
    C2 (SET S 1) 0021200
    (SET FSMCCT CQ) 0021300
    (SET FSMCCT (WCRDCR (SHIFT FSMCCT 3) 0021400
      (DIFFERENCE (S20. FSCHAR) (S20. (QUOTE '0)))))) 0021500
    C21 (SET K1 C) 0021600
    (SET K2 0) 0021700
    (GO I1S2) 0021800
    C3 (SET S 2) 0021900
    (GO C21) 0022000
    N (CHREAD) 0022100
    (SET I (CHEAT OCTAL INTEGER (F9 (CHARAY (PLUS 1 (CHEAT SYMBOL
      INTEGER FSCHAR)
      (MINUS (CHEAT OCTAL INTEGER (CHO . SYS))))))) 0022200
    (CASE I (GC I1) 0022300
      (GO I2) (GO I3) (GO I4) (GO I5) (GO I6) (GO I7) (GO AU) 0022400
    I1 (CASE S (GO I1S1) 0022500
      (GO I1S2) 0022600
      (GO I1S2) 0022700
      (GO I1S2) 0022800
      (GO I1S5) (GO I1S6) (GO I1S2) (GO I1S6) (GO I1S9) 0022900
    I1S1 (SET FSMOCT (WCRDCR (SHIFT FSMOCT 3) 0023000
      (DIFFERENCE (S20. FSCHAR) (S20. (QUOTE '0)))))) 0023100
    I1S2 (SET K1 (PLUS (TIMES K1 10) 0023200
      (DIFFERENCE (S20. FSCHAR) (S20. (QUOTE '0)))))) 0023300
    (MAKEST) 0023400
    (GO N) 0023500
    I1S5 (SET CP (PLUS 1 DP)) 0023600
    (GO I1S2) 0023700
    I1S6 (SET S 7) 0023800
    (GO I1S2) 0023900
    I1S9 (SET S 3) 0024000
    (GO I1S2) 0024100
    I2 (CASE S (GO I2S1) 0024200
      (GO I1S2) 0024300
      (GO I1S2) 0024400
      (GO I1S2) 0024500
      (GO I1S5) (GO I1S6) (GO I1S2) (GO I1S6) (GO I1S9) 0024600
    I2S1 (SET S 2) 0024700
      (GO I1S2) 0024800
      (GO I1S2) 0024900
      (GO I1S2) 0025000
      (GO I1S5) (GO I1S6) (GO I1S2) (GO I1S6) (GO I1S9) 0025100
    ) 0025200
  )

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(GO I1S2)	0025300
I3 (MAKEST)	0025400
(CASE S (GC I3S1) (GO I3S1) (GO U) (GO U) (GO I3S5) (GO L))	0025500
I3S1 (SET S 9)	0025600
(SET DP 0)	0025700
I3S1A (SET K2 K1)	0025800
(SET K1 0)	0025900
(GO N)	0026000
I3S5 (SET ES (QUOTE '+))	0026100
(SET S 6)	0026200
(GO I3S1A)	0026300
I4 (MAKEST)	0026400
(CASE S (GC I4S1) (GO U))	0026500
I4S1 (SET S 4)	0026600
(GO I3S1A)	0026700
I5 (MAKEST)	0026800
(CASE S (GC I5S1) (GO I5S1) (GO U))	0026900
I5S1 (SET DP 0)	0027000
(SET S 5)	0027100
(GO N)	0027200
I6 (CASE S (GO IFIN))	0027300
(GO IFIN)	0027400
(GO IFINE) (GC OFIN) (GO RFIN) (GO AU) (GO RFINE) (GO AL))	0027500
I7 (CASE S (GO IFIN))	0027600
(GO IFIN)	0027700
(GO IFINE) (GC OFIN) (GO RFIN) (GC I7S6) (GO AU))	0027800
I7S6 (SET ES FSCHAR)	0027900
(SET S 8)	0028000
(MAKEST)	0028100
(GO N)	0028200
AU (MAKEST)	0028300
L (SET (XXSAVE . IO) FSCHAR)	0028400
(SET FSCHAR NIL)	0028500
(SET FSMSYM (MAKEST))	0028600
(RETURN (UNREC))	0028700
CFIN (SET FSMOCT (SHIFT FSMOCT (TIMES 3 K1)))	0028800
(SET I (UNSCCT))	0028900
NRET (SET (XXSAVE . IO) FSCHAR)	0029000
(SET FSCHAR NIL)	0029100
(SET FSMSYM (MAKEST))	0029200
(RETURN I)	0029300
IFINE (SET I K1)	0029400
(SET K1 K2)	0029500
(SET K2 I)	0029600
IFIN (SET I (UNSINT))	0029700
IFIN1 (IF (EQ C K2) (GO IFIN2))	0029800
(SET K2 (PLUS K2 -1))	0029900
(SET K1 (TIMES 10 K1))	0030000
(GO IFIN1)	0030100
IFIN2 (SET FSMCCT (CHEAT INTEGER OCTAL K1))	0030200
(GO NRET)	0030300
RFINE (SET I K1)	0030400
(SET K1 K2)	0030500
(SET K2 I)	0030600
RFIN (SET I (UNSREL))	0030700
(SET FSMREL (CHEAT REAL REAL K1))	0030800
(IF (EQ ES (QUOTE '-)) (SET K2 (MINUS K2)))	0030900
(SET DP (DIFFERENCE K2 DP))	0031000
(SET FSMREL (TIMES FSMREL (EXPT 10.0 DP))))	0031100
(GO NRET)	0031200
C4 (MAKEST)	0031300
(SET FSCHAR NIL)	0031400
(SET FSMSYM (MAKEST))	0031500

(RETURN (F3 I))	0031600
C5 (CHREAD)	0031700
(IF (NG FSCHAR (QUOTE 'R)) (GO C5A))	0031800
C5R (CHREAD)	0031900
(CASE (F5 (CHARRAY (PLUS 1 (S20. FSCHAR) (MINUS (CHO . SYS))))))	0032000
(GO C5R1) (GO C5R2) (GO C5R3) (GO C5R))	0032100
C5R1 (SET (XXSAVE . IO) FSCHAR)	0032200
(GO C7)	0032300
C5R2 (MAKEST)	0032400
(GO C5R)	0032500
C5R3 (SET FSCHAR NIL)	0032600
(SET FSMSYM (MAKEST))	0032700
(RETURN (REMARK))	0032800
C5A (IF (NG FSCHAR (QUOTE '))	0032900
(GO C5B) (IF (STSP) (RETURN (STRNM)) (RETURN (UNREC))))	0033000
C5B (IF (NG FSCHAR (QUOTE 'G)) (GO C5C))	0033100
(CHREAD)	0033200
(CASE (F1 (CHARRAY (PLUS 1 (CHEAT SYMBOL INTEGER FSCHAR)	0033300
(MINUS (CHEAT OCTAL INTEGER (CHO . SYS))))))	0033400
(GO C51)	0033500
(GO C52)	0033600
(GO C52)	0033700
(GO C52)	0033800
(GO C55)	0033900
(GO C52) (GO C52) (GO C52) (GO C59) (GO C510) (GO C511))	0034000
C51 (LTRL)	0034100
(RETURN (GENSP))	0034200
C52 (SET (XXSAVE . IO) FSCHAR)	0034300
(GO C7)	0034400
C55 (IF (STSP) (RETURN (GENSP)) (RETURN (UNREC)))	0034500
C59 (OPER1)	0034600
(RETURN (GENSP))	0034700
C510 (IF (EQ (CPER2) (CPRTR))	0034800
(RETURN (GENSP)) (RETURN (UNREC)))	0034900
C511 (MAKEST)	0035000
(IF (DCTL) (RETURN (GENSP)) (RETURN (UNREC)))	0035100
C5C (IF (NG FSCHAR (QUOTE 'H)) (GO C5R1))	0035200
(SET FSMCCT 0)	0035300
C5CG (CHREAD)	0035400
(SET I (DIFFERENCE (S20. FSCHAR) CHO))	0035500
(IF (AND (GQ I 6Q1) (LQ I 7Q))	0035600
(SET I (PLUS I 777777777777717Q)) (GO C5C2))	0035700
C5C1 (SET FSMOCT (PLUS (SHIFT FSMOCT 4) I))	0035800
(MAKEST)	0035900
(GO C5CG)	0036000
C5C2 (IF (AND (GQ I 101Q) (LQ I 106Q))	0036100
(BLOCK NIL (SET I (PLUS I 77777777777771Q1)) (GO C5C1))	0036200
(BLOCK NIL (SET I (UNSOCT)) (GC NRET)))	0036300
C6 (IF (STSP) (RETURN (STRSP)) (RETURN (UNREC)))	0036400
C7 (MAKEST)	0036500
(SET FSCHAR NIL)	0036600
(SET FSMSYM (MAKEST))	0036700
(RETURN (UNREC))	0036800
C8 (SET FSMCCT 1)	0036900
(SET FSMSYM (QUOTE (*STRING ')))	0037000
C81 (CHREAD)	0037100
(IF (EQ FSCHAR (QUOTE '))	0037200
(BLOCK NIL (SET FSMCCT (PLUS FSMOCT 1)) (GO C81))	0037300
(SET (XXSAVE . IO) FSCHAR)	0037400
(RETURN (SPACER))	0037500
C9 (OPER1)	0037600
(RETURN (OPRTR))	0037700
C10 (RETURN (OPER2))	0037800

C11 (MAKEST)	0037900
(CHREAD)	0038000
(SET (XXSAVE . IO) FSCHAR)	0038100
(IF (EQ (F2 (SET I (CHARRAY (PLUS 1 (CHEAT SYMBOL INTEGER FSCHAR) (MINUS (CHEAT OCTAL INTEGER (CHO . SYS))))))) 0)	0038200
(BLOCK NIL (SET FSCHAR NIL))	0038300
(SET FSMSYM (MAKEST)) (RETURN (DGT))))	0038400
(IF (OR (EQ (F1 I) 1) (EQ (F1 I) 11))	0038500
(BLOCK NIL (IF (DCTL) (RETURN (DLITRL)) (RETURN (UNREC))))	0038600
(BLOCK NIL (SET K1 0) (SET K2 0) (GO I5S1))))	0038700
	0038800
	0038900

***END OF FILE DETECTED

(CLMMYS (SECTION SYS SYMBOL))	0000100
(DECLARE ((PDBUF . GC) OCTAL OWN 100))	0000200
((PDADD . GC) OCTAL CWN 0) ((BPMIN . GC) OCTAL OWN 0))	0000300
(DECLARE ((BACTRC . LISP) SYMBOL FREE))	0000400
((PRNERR . LISP) BOCLEAN FREE TRUE)	0000500
((INTERACT . LISP) BOCLEAN FLUID)	0000600
((SIGNON . LISP)	0000700
SYMBOL OWN (QUOTE (*STRING 'L 'I 'S 'P '2 ' 'N 'E 'W ' 'C 'I 'G))	0000800
)) ((MSGFILE . SUPV) SYMBOL OWN (QUOTE (OTTY))))	0000900
(DECLARE ((FSCHAR . FSM) SYMBOL CWN NIL))	0001000
(DECLARE (FMCALL (FUNCTIONAL NOVALUE) OWN))	0001100
((GNLIST SYMCL FREE NIL))	0001200
(LAPSTCP BOCLEAN FREE)	0001300
((AA (ARRAY CCTAL) FREE))	0001400
((RR INTEGER FREE) (PP INTEGER FREE) (WW OCTAL FREE))	0001500
(DECLARE ((LAPSTL . LAP) SYMBOL CWN))	0001600
((ERRFLG . SUPV) BOCLEAN FREE)	0001700
((FIXLOC . IC) CCTAL FLUID LOC)	0001800
((BUFIX . IC) (ARRAY CCTAL) FLUID))	0001900
(DECLARE ((SECTOR . IC) INTEGER FLUID LOC))	0002000
(DECLARE ((FILES . IC) SYMBOL FREE))	0002100
((ICURFN . IC) SYMBOL FLUID)	0002200
((CURFN . IC) SYMBOL FLUID)	0002300
((TTY . LISP) SYMBOL FREE)	0002400
((DISC . LISP) SYMBOL FREE) ((TAPE . LISP) SYMBOL FREE))	0002500
(RCUTINE ((FXFN . GC) NOVALUE) ((X OCTAL) (B BOOLEAN)))	0002600
(FUNCTION (SUPV SYMBOL) NIL)	0002700
(FUNCTION (EVAL SYMBOL) ((E SYMBOL)))	0002800
(FUNCTION ((MAKEST . FSM) SYMBOL) NIL)	0002900
(FUNCTION ((CVRTNM . IC) INTEGER) ((A SYMBOL)))	0003000
(FUNCTION (LAPGO SYMBOL) NIL)	0003100
(RCUTINE (SYNTYPE OCTAL) ((A SYMBOL)))	0003200
(RCUTINE (RDTYPC OCTAL) NIL)	0003300
(RCUTINE (ADPOCK NOVALUE) ((X INTEGER)))	0003400
(FUNCTION ((PRETTYP . LISP) SYMBOL) ((X SYMBOL)))	0003500
(FUNCTION ((PRINWORD . LISP) OCTAL) ((X OCTAL)))	0003600
(RCUTINE ((GET . LISP) SYMBOL) ((FN SYMBOL) (DL SYMBOL)))	0003700
(FUNCTION ((ENDINR . LISP) NOVALUE) NIL)	0003800
(FUNCTION ((ENCOLTR . LISP) NOVALUE) NIL)	0003900
(FUNCTION ((LISP . LISP) SYMBOL)	0004000
((IN SYMBOL) (COLT SYMBOL) (FORM SYMBOL)))	0004100
(DECLARE (ITY SYMBOL CWN (QUOTE ITTY)))	0004200
((TTY SYMBOL CWN (QUOTE OTTY)))	0004300
((INERR BOOLEAN FLUID FALSE))	0004400
((TRACING BOCLEAN FREE FALSE))	0004500
((GC7 . GC) INTEGER CWN)	0004600
((FREEZE BOOLEAN FREE FALSE))	0004700
((INTCNT INTEGER OWN 3000))	0004800
((SUPVFN (FUNCTIONAL SYMBOL SYMBOL SYMBOL SYMBOL) OWN))	0004900
((TRYPT CCTAL FLLID 40002Q))	0005000
((TRYVAR SYMBOL CWN))	0005100
((EOFCH SYMBOL OWN) (XXCHAR SYMBOL OWN) (PDOUT SYMBOL OWN))	0005200
(DECLARE (CUMPS SYMBOL OWN NIL) (LFILES SYMBOL OWN NIL)))	0005300
((INDEX (SECTION SYS SYMBOL))	0005400
((RCUTINE (FNCALD FUNCTIONAL) ((RA CCTAL))))	0005500
((RCUTINE (LARG SYMBOL) ((FN (FUNCTIONAL NOVALUE)))))	0005600
((RCUTINE (RESUME CCTAL)	0005700
((FN (FUNCTIONAL NOVALUE)) (MODE BOCLEAN))))	0005800
((SECTION SYS SYMCL))	0005900
((FUNCTION (MESSAGE SYMBOL) ((M SYMBOL))))	0006000
((RCUTINE ((MEMBERN . LISP) BOOLEAN) ((X SYMBOL) (L SYMBOL))))	0006100
((FUNCTION ((DELETE . LISP) SYMBOL) ((X SYMBOL) (L SYMBOL))))	0006200
((FUNCTION (GETFN SYMBOL) ((N SYMBOL) (S SYMBOL))))	0006300

(FUNCTION (GETFRT SYMBOL) ((N SYMECL) (S SYMBOL)))	0006400
(FUNCTION (GETFN1 SYMBOL) ((N SYMECL) (S SYMBOL) (L SYMBOL)))	C006500
(FUNCTION (VARNAME SYMBOL) ((X SYMBOL)))	C006600
(RCUTINE (UNLDR SYMBOL) ((FN (FUNCTIONAL NOVALUE))))	C006700
(FUNCTION (FACTIVE BOCLEAN) ((FN (FUNCTIONAL NOVALUE))))	C006800
SECTION SYS SYMBOL)	C006900
(FUNCTION ((ERROR . LISP) SYMBOL) ((S SYMBOL)))	0007000
(FUNCTION (CCNDERR NOVALUE) NIL)	0007100
(FUNCTION ((EXIT . LISP) SYMBOL) ((S SYMBOL)))	0007200
(FUNCTION ((BACKFUNCTIONS . LISP) SYMBOL) ((I INTEGER)))	0007300
(FUNCTION (BACKUP SYMBOL) ((S SYMECL) (I INTEGER) (M BOOLEAN)))	0007400
(RCUTINE (FLREST BOCLEAN)	C007500
((A INTEGER) (R INTEGER) (P INTEGER) (M BOOLEAN)))	C007600
(SECTION SYS SYMECL)	C007700
(FUNCTION ((TRACEARGS . LISP) SYMBOL) ((L SYMBOL)))	0007800
(FUNCTION (TRACEA NOVALUE) NIL)	0007900
(FUNCTION ((TRACER . LISP) SYMBOL)	0008000
((N SYMBOL) (S SYMBOL) (FT (FUNCTIONAL NOVALUE))))	C008100
(FUNCTION ((UNTRACE . LISP) SYMBOL) ((L SYMBOL)))	0008200
(FUNCTION ((UNTRACER . LISP) SYMBOL) ((N SYMBOL) (S SYMBOL)))	0008300
(SECTION SYS SYMBOL)	C008400
(FUNCTION (FTRANS SYMBOL) ((P SYMECL)))	C008500
(FUNCTION (ONTRAC NOVALUE)	C008600
((FN (FUNCTIONAL NOVALUE)) (FT (FUNCTIONAL NOVALUE))))	C008700
(FUNCTION (OFFTRAC SYMBOL) ((FN (FUNCTIONAL NOVALUE))))	0008800
(RCUTINE (SETFD NOVALUE) ((FD SYMBOL) (J INTEGER)))	C008900
(RCUTINE (SETRAP NOVALUE)	C009000
((FN (FUNCTIONAL NOVALUE)) (FT (FUNCTIONAL NOVALUE))))	0009100
(FUNCTION (UNDEFN NOVALUE) ((FN (FUNCTIONAL NOVALUE)) (S SYMBOL)))	C009200
(RCUTINE (VREFCT NOVALUE) ((V SYMBOL) (I INTEGER)))	C009300
SECTION SYS SYMBOL)	C009400
(FUNCTION (FNTRAP NOVALUE) NIL)	C009500
(FUNCTION (FMTRAP NOVALUE) NIL)	C009600
(FUNCTION (LCTRAP NOVALUE) NIL)	C009700
(FUNCTION (PGCNE NOVALUE) NIL)	C009800
(FUNCTION (SCS SYMBOL) ((M SYMBOL)))	C009900
(SECTION SYS SYMBOL)	C010000
(FUNCTION ((EXCISE . LISP) SYMBOL) ((N SYMBOL) (S SYMBOL)))	C010100
(FUNCTION (EXCISF SYMBOL) ((FD SYMBOL)))	C010200
(RCUTINE (FXRUB CCTAL) ((I OCTAL)))	C010300
(SECTION SYS SYMBOL)	C010400
(FUNCTION (GETBPS INTEGER) ((I INTEGER)))	C010500
(FUNCTION (FITBPS INTEGER) ((I INTEGER)))	C010600
(FUNCTION (PACBPS NOVALUE) ((R INTEGER)))	C010700
(FUNCTION (UNLBPS BOCLEAN) ((I INTEGER)))	C010800
(FUNCTION (INTERRUPT CCTAL) NIL)	C010900
(FUNCTION (ITRAP1 NOVALUE) NIL)	0011000
(RCUTINE (FIXBPI NOVALUE) ((BP INTEGER) (A INTEGER) (B INTEGER)))	C011100
(SECTION SYS SYMBOL)	C011200
(FUNCTION ((DUMPSEC . LISP) SYMBOL)	0011300
((LNAME SYMBOL) (CUT SYMBOL) (SEC SYMBOL)))	C011400
(FUNCTION ((DUMPL . LISP) SYMBOL)	C011500
((LNAME SYMBOL) (CUT SYMBOL) (L SYMBOL)))	C011600
(FUNCTION (DUMPFN SYMBOL) ((X SYMBOL) (LSIZE INTEGER LOC)))	C011700
(FUNCTION ((LNLOADL . LISP) SYMBOL) ((LNAME SYMBOL)))	C011800
(FUNCTION ((UNLOADFN . LISP) SYMBOL) ((NAME SYMBOL) (SEC SYMBOL)))	C011900
(FUNCTION (UNLDFN SYMBOL) ((V SYMECL) (LL SYMBOL)))	C012000
(SECTION SYS SYMECL)	C012100
(FUNCTION ((LCADDL . LISP) SYMBOL) ((LNAME SYMBOL)))	C012200
(FUNCTION ((CPENL . LISP) SYMBOL) ((X SYMBOL)))	C012300
(FUNCTION (READLIB INTEGER)	C012400
((FILE SYMBOL) (SECT INTEGER) (I INTEGER)))	C012500
(RCUTINE (INLIB INTEGER)	C012600

((BP INTEGER) (NAME INTEGER) (SECT INTEGER) (I INTEGER)))	C012700
(FUNCTION (REMFN NOVALUE) ((FD SYMBOL)))	C012800
(FUNCTION (REMVEL . LISP) SYMBOL) ((LNAME SYMBOL)))	C012900
(SECTION SYS SYMECL)	C013000
(FUNCTION ((START . SYS) NOVALUE) NIL)	C013100
(FUNCTION (SYSINI NOVALUE) NIL)	C013200
(FUNCTION (PRBACK NOVALUE) ((X SYMBOL)))	C013300
(FUNCTION (ICINI NOVALUE) NIL)	C013400
(FUNCTION (RESTART NOVALUE) NIL)	C013500
(FUNCTION (RECOV NOVALUE) NIL)	C013600
(FUNCTION (LSUPV NOVALUE)	C013700
((INFILE SYMBOL) (OUTFILE SYMBOL) (FORM SYMBOL)))	C013800
(SECTION LAP SYMBOL) (SECTION SYS OCTAL))	C013900
(MACROS DEFINE (((MSUBST (LAMBDA (L S)	C014000
(SUBST (CADR L) (QUOTE ALPHA) S))))))	C014100
MACRO1 (((VAR2FUNC (LAMBDA (L)	C014200
(MSUBST L (QUOTE (C2F. (I20. (PLUS (S20. ALPHA) 2Q7 -1)))))))	C014300
(FUNC2VAR (LAMBDA (L)	C014400
(MSUBST L (QUOTE (C2S. (I20. (PLUS (BIT 0 18 (F20. ALPHA)) 1))))))	C014500
)))	C014600
(FUNCD (LAMBDA (L)	C014700
(MSUBST L (QUOTE (CORE (BIT 0 18 (F20. ALPHA)))))))	C014800
(TRAPP (LAMBDA (L)	C014900
(MSUBST L (QUOTE (C2S. (BIT 24 18 (FUNCD ALPHA)))))))	C015000
(LADDR (LAMBDA (L) (MSUBST L (QUOTE (BIT 24 18 (CORE ALPHA)))))))	C015100
(RADDR (LAMBDA (L) (MSUBST L (QUOTE (BIT 0 18 (CORE ALPHA)))))))	C015200
(SLADDR (LAMBDA (L)	C015300
(MSUBST L (SLBST (GENID)	C015400
(QUOTE X)	C015500
(QUOTE (BLCK ((X OCTAL LEXICAL (CORE ALPHA)))	C015600
(RETURN (CODE (LDA X (L567.3 S))))))))))	C015700
(SRADDR (LAMBDA (L)	C015800
(MSUBST L (SLBST (GENID)	C015900
(QUOTE X)	C016000
(QUOTE (BLCK ((X OCTAL LEXICAL (CORE ALPHA)))	C016100
(RETURN (CODE (LDA X (L567.7 S))))))))))	C016200
(FNSTAT (LAMBDA (L)	C016300
(MSUBST L (QUOTE (SHIFT (FUNCD ALPHA) -45))))))	C016400
(FREADY (LAMBDA (L)	C016500
(MSUBST L (QUOTE (EQ (WORDAND (FUNCD ALPHA) 2Q15) 0))))))	C016600
(IDLINK (LAMBDA (L)	C016700
(MSUBST L (QUOTE (C2S. (RADDR (PLUS (S20. ALPHA) 1)))))))	C016800
(AGE (LAMBDA (L)	C016900
(SUBST (CDR L)	C017000
(QUOTE A) (QUOTE (BIT 18 3 (CORE (S20. . A))))))	C017100
(TRAPEQ (LAMBDA (L)	C017200
(SUBST (CADR L)	C017300
(QUOTE FN)	C017400
(SUBST (CADDR L)	C017500
(QUOTE FT) (QUOTE (EQ (O2F. (BIT 0 24 (FUNCD FN))) FT))))))	C017600
(ROUTINEDIES (LAMBDA (L) NIL))))	C017700
MACRO1 (((TRAPM (LAMBDA (L)	C017800
(SUBST (CADDR L)	C017900
(QUOTE EXP)	C018000
(SUBST (CADR L)	C018100
(QUOTE FNAME)	C018200
(SUBST (CADDR L)	C018300
(QUOTE MODE)	C018400
(QUOTE (BLOCK ((ALA. OCTAL (CODE))))	C018500
(BLOCK ((FNAME (FUNCTIONAL NOVALUE)	C018600
((FNCAFD . SYS) (CODE (LDA 0 8))))))	C018700
(BLOCK ((SLA. SYMBOL (IF (EQ ((LARG . SYS) FNAME)	C018800
(QUOTE S)) (O2S. ALA.) NIL))))	C018900

EXP (BLOCK ((CA OCTAL ((RESUME . SYS) FNAME MODE)))	0019000
(SET (FMCALL . SYS) FNAME)	0019100
(IF SLA. (SET ALA. (S2C. SLA.)))	0019200
(CCDE (LDA ALA.) (BUC CA I))))))))	0019300
(TRACEM (LAMBDA (L)	0019400
(List (QUOTE (TRAPM . SYS)) (GENSYM) TRUE (CADR L))))))	0019500
(TRAPM (SECTION SYS SYMBOL)	0019600
(RCUTINE (FNCAFD FUNCTIONAL)	0019700
((RA OCTAL))	0019800
(BLOCK ((FA OCTAL (RADDR (PLUS RA -1))))	0019900
(IF (EQ (BIT 42 6 (CCRE FA)) 0) (SET FA (RADDR FA)))	0020000
(RETURN (02F. (WORDCR 2Q7 FA))))	0020100
(RCUTINE (LARG SYMBOL)	0020200
((FN (FUNCTIONAL NOVALUE)))	0020300
(BLOCK ((WW CCTAL FREE (SYNTYPE (FUNC2VAR FN)))	0020400
(PP INTEGER FREE 12)	0020500
(RR INTEGER FREE 1)	0020600
(AA (ARRAY CCTAL) FREE) (LA SYMBOL) (C OCTAL))	0020700
(IF (EQ (BIT 24 6 WW) 1)	0020800
(BLOCK NIL (SET AA (02S. (BIT 6 18 WW)))	0020900
(SET WW (AA 1)) (SET PP 30)))	0021000
(FOR C (LCCP (RDTYPC))	0021100
(WHILE (NC C 63))	0021200
(SET LA (IF (CR (RELATION 0 LS C LS 5)	0021300
(AND (EQ C 31) (RDTYPC))) (QUOTE A) (QUOTE S))))	0021400
(RETURN LA)))	0021500
(RCUTINE (RESUME OCTAL)	0021600
((FN (FUNCTIONAL NOVALUE)) (MODE BOCLEAN))	0021700
(BLOCK ((CP OCTAL))	0021800
A (IF (EQ (FNSTAT FN) 0)	0021900
(SET CP (BIT C 18 (FUNCD FN)))	0022000
(AND (FREADY FN) MCDE)	0022100
(SET CP (BIT 24 18 (FUNCD FN)))	0022200
(BLOCK NIL (SET FN (02F. (BIT 0 24 (FUNCD FN)))) (GO A)))	0022300
(RETURN (IF (LARG FN) (PLUS CP 2) (PLUS CP 1))))))	0022400
(SLBFNS (SECTION SYS SYMBOL)	0022500
(FUNCTION (MESSAGE SYMBOL)	0022600
((M SYMBOL))	0022700
(BLOCK ((K SYMBOL))	0022800
(FOR K (IN (MSGFILE . SUPV))	0022900
(BLOCK ((CUT SYMBOL (CPUTPUT K))) (PRETTYP M) (CPUTPUT OUT)))	0023000
(RETURN M)))	0023100
(RCUTINE ((MEMBERN . LISP) BOOLEAN)	0023200
((X SYMBOL) (L SYMBOL))	0023300
(BLOCK ((Y SYMBOL)) (FOR Y (IN L) (IF (EQN X Y) (RETURN TRUE))))))	0023400
(FUNCTION ((DELETE . LISP) SYMBOL)	0023500
((X SYMBOL) (L SYMBOL))	0023600
(BLOCK ((P SYMBOL) (M SYMBOL))	0023700
(FOR L (CN L) (IF (NQ (CAR (SET P L)) X) (GO A)))	0023800
(RETURN NIL)	0023900
A (IF (NULL (SET M (CDR P)))	0024000
(RETURN L) (EQ (CAR M) X) (SET (CDR P) (CDR M)) (SET P M))	0024100
(GO A)))	0024200
(FUNCTION (GETFN SYMBOL)	0024300
((N SYMBOL) (S SYMBOL))	0024400
(GETFN1 N S (QUOTE (FUNCTION MACRO INSTRUCTIONS))))	0024500
(FUNCTION (GETFRT SYMBOL)	0024600
((N SYMBOL) (S SYMBOL))	0024700
(GETFN1 N S (QUOTE (FUNCTION MACRO INSTRUCTIONS ROUTINE))))	0024800
(FUNCTION (GETFN1 SYMBOL)	0024900
((N SYMBOL) (S SYMBOL) (L SYMBOL))	0025000
(BLOCK ((X SYMBOL (GETFREE N S)))	0025100
(IF (AND X (MEMBER (FVKIND X) L)) (RETURN X))))	0025200

(FUNCTION (VARNAME SYMBOL))	C025300
((X SYMBOL))	C025400
(CONS (BLOCK ((Y SYMBOL X)))	C025500
(FOR Y (LCCP (IDLINK Y)))	C025600
(UNLESS (NC (BIT 42 6 (CORE (S20. Y)))) 7) (RETURN Y)))	C025700
(C2S. (LADDR (S20. X))))	C025800
(RCUTINE (UNLDN SYMBOL))	C025900
((FN (FLNCTICNAL NOVALUE))))	C026000
(IF (FREADY FN)	C026100
NIL (ATOM (TRAPP FN)) (TRAPP FN) (CDR (TRAPP FN))))	C026200
(FUNCTION (FACTIVE BOCLEAN))	C026300
((FN (FLNCTICNAL NOVALUE))))	C026400
(BLOCK ((BP INTEGER (PLUS (BIT 0 18 (FUNC0 FN)) -1))	C026500
(P INTEGER) (R INTEGER) (A INTEGER))	C026600
(CODE (STX P 0 8))	C026700
A (FOR A (RESET (CORE P)) (RADDR A))	C026800
(WHILE (NC (BIT 18 6 (CORE A)) 1)) NIL)	C026900
(IF (EQ A BP)	C027000
(RETURN TRUE)	C027100
(LS (SET P (PLUS P (LADDR (PLUS (CORE P) -1)))) BPO) (GC A))))	C027200
(ERRCR (SECTION SYS SYMBOL))	C027300
(FUNCTION ((ERROR . LISP) SYMBOL))	C027400
((S SYMBOL))	C027500
(BLOCK NIL (IF (AND (NOT INERR) (CR (PRNERR . LISP) INTERACT))	C027600
(BLOCK (((INERR . SYS) TRUE)) (MESSAGE S)))	C027700
(IF (NOT INTERACT) (EXIT S))	C027800
(RETURN (SLPVFN ITTY OTTY (QUOTE IL)))))	C027900
(FUNCTION (CCNDERR NOVALUE))	C028000
NIL (ERROR (QUOTE (IF EXPRESSION UNSATISFIED))))	C028100
(FUNCTION ((EXIT . LISP) SYMBOL))	C028200
((S SYMBOL))	C028300
(BLOCK NIL (SET (BACTRC . LISP) NIL) (BACKUP S 50000 TRUE)))	C028400
(FUNCTION ((BACKFUNCTIONS . LISP) SYMBOL))	C028500
((I INTEGER))	C028600
(BLOCK (((BACTRC . LISP) SYMBOL FREE))	C028700
(BACKUP NIL (PLUS I 1) FALSE) (RETURN (CDR (BACTRC . LISP)))))	C028800
(FUNCTION (BACKUP SYMBOL))	C028900
((S SYMBOL) (I INTEGER) (M BOOLEAN))	C029000
(BLOCK ((A INTEGER) (R INTEGER) (P INTEGER))	C029100
(CODE (STX P 0 8))	C029200
(FOR I (STEP I -1 EQ 0)	C029300
(WHILE (LS P BPO))	C029400
(BLOCK NIL (SET R (CORE P))	C029500
(SET P (PLUS P (SLADDR (PLUS R -1)))))	C029600
(FOR A (RESET R (RADDR A))	C029700
(WHILE (NC (BIT 18 6 (CORE A)) 1)) NIL)	C029800
(IF (EQ (RADDR A) 0)	C029900
(GO L) (AND M (FLREST A R P TRUE)) (GO BACK))	C030000
(SET P (PLUS P (MINUS BPC)))	C030100
(SET (BACTRC . LISP))	C030200
(CONS (VARNAME (C2S. (I20. (PLUS (RADDR A) 1))))	C030300
(BACTRC . LISP))) (SET P (PLUS P BPO)) L))	C030400
(IF (NOT M) (RETURN S))	C030500
BACK (SET A (PLUS A (TRYPT . SYS)))	C030600
(CODE (LCA S) (LDX A 0 4) (LDX F 0 8) (BUC 0 4)))	C030700
(LAP (PATCH (CRG))	C030800
(ENTRY FLRCAL (LABEL A))	C030900
A (BSX (ENTRY FLREST) 7) (END)) NIL SYS)	C031000
(RCUTINE (FLREST BOOLEAN))	C031100
((A INTEGER) (R INTEGER) (P INTEGER) (M BOOLEAN))	C031200
(BLOCK ((B INTEGER)	C031300
(BC INTEGER) (J INTEGER) (K INTEGER) (V INTEGER))	C031400
(SET B (PLS A (LADDR A))))	C031500

```

(FOR A (STEP A 1)
  (WHILE (LS A B))
    (BLOCK NIL (IF (LS (SET BC (PLLS BC -2)) 0)
      (BLOCK NIL (SET B (PLUS B -1)) (SET BC 46)))
      (IF (NOT (AND (GR A R)
        (EQ (WORDAND (CORE A) 770000007777777Q) (COREENTRY FLRCAL))
        (EQ (WORDAND (SHIFT (CORE B) (MINUS BC)) 3Q) 2)
        (LS (SET J (LADDR A)) R))) (GO L)))
      (SET K (PLUS P (SLADDR (PLUS J -1)))))
      (FOR J (STEP J 1)
        (BLOCK NIL (SET K (PLUS K -1))
          (SET V (RADDR J))
          (IF (AND M (EQN (O2S. (I20. (PLUS V 1))) TRYVAR))
            (RETURN TRUE))
          (SET (CORE V) (CORE K))
          (IF (EQ (BIT 43 1 (CORE J)) 1) (GO L)))) L))))))

(TRACE (SECTION SYS SYMBOL)
  (FUNCTION ((TRACEARGS . LISP) SYMCL)
    ((L SYMBOL))
    (MAPCAR L (FUNARG SYMBOL ((X SYMCL)))
      (IF (ATOM X) NIL (TRACER (CAR X) (CDR X) TRACEA))))
  (FUNCTION (TRACEA NOVALUE)
    NIL (TRAPM FN TRUE (IF (NOT TRACING)
      (BLOCK ((V SYMBOL (FUNC2VAR FN))
        (TRACING BOCLEAN FREE TRUE) (L SYMBOL) (J INTEGER))
        (SET L (CDCA�R (FVLIST V))))
        (SET J (LENGTH L))
        (MESSAGE (CONS (VARNAME V)
          (QUOTE CF))
          (MAPCAR L (FUNARG SYMBOL ((X SYMBOL)))
            (BLOCK ((W OCTAL))
              (SET W (IF (EQ (SET J (PLUS J -1)) 0)
                (IF SLA. (S20. SLA.) ALA.)
                (CORE (PLUS (CODE (LDA ALA.)) J 1))))
              (IF (EQ (CADR X) (QUOTE LCC)) (SET W (CORE W)))
              (SET X (CAR X))
              (RETURN (IF (EQ X (QUOTE CCTAL))
                W (EQ X (QUOTE INTEGER))
                (C2I. W)
                (EQ X (QUOTE REAL))
                (C2R. W)
                (EQ X (QUOTE FUNCTIONAL)) (O2F. W) (O2S. W)))))))))))
        (FUNCTION ((TRACER . LISP) SYMBOL)
          ((N SYMBOL) (S SYMBOL) (FT (FUNCTIONAL NOVALUE)))
          (BLOCK ((X SYMBOL (GETFN N S)))
            (IF (NULL X) (RETURN NIL))
            (ONTRAC (VAR2FLNC X) FT) (RETURN (CONS N S))))
        (FUNCTION ((UNTRACE . LISP) SYMBOL)
          ((L SYMBOL))
          (MAPCAR L (FUNARG SYMBOL ((X SYMCL)))
            (IF (ATOM X) NIL (UNTRACER (CAR X) (CDR X))))))
        (FUNCTION ((UNTRACER . LISP) SYMBOL)
          ((N SYMBOL) (S SYMBOL))
          (BLOCK ((X SYMBOL (GETFN N S)))
            (RETURN (IF (OR (NULL X) (NULL (CFFTRAC (VAR2FUNC X)))
              NIL (CCNS N S)))))))

(UNC (SECTION SYS SYMBOL)
  (FUNCTION (FTRANS SYMBOL)
    ((P SYMBOL))
    (BLOCK ((FN (FUNCTIONAL NOVALUE) (VAR2FUNC (CAR P)))
      (FNT (FUNCTIONAL NOVALUE) (VAR2FUNC (CDR P)))
      (FREEZE BOCLEAN FREE TRUE))
      (BLOCK ((S SYMBOL) (J INTEGER)))

```

```

(IF (NOT (FREADY FNT))
  (IF (NULL (SET S (UNLDN FNT))) (RETURN NIL) (LOADL S)))
  (REMFN (CCR P))
  (SET S (OFFTRAC FNT))
  (EXCISF (CAR P))
  (SET J (PLUS (BIT 0 18 (FUNCD FNT)) -1))
  (SET (RADDR J) (BIT 0 18 (F20. FN)))
  (SETFD (CAR P) J)
  (VREFCT (CAR P) 1)
  (VREFCT (CDR P) -1)
  (UNDEFN FNT S) (RETURN (VARNAME (CAR P))))))
(FUNCTION (ONTRAC NOVALUE)
  ((FN (FUNCTIONAL NOVALUE)) (FT (FUNCTIONAL NOVALUE))))
  (IF (FREADY FN)
    (SETRAP FN FT)
    (SET (TRAPP FN)
      (CONS FT (IF (ATOM (TRAPP FN)) (TRAPP FN) (CDR (TRAPP FN)))))))
  (FUNCTION (OFFTRAC SYMBOL)
    ((FN (FUNCTIONAL NOVALUE)))
    (BLOCK ((S SYMBCL))
      (IF (NCT (FREADY FN))
        (IF (NOT (ATOM (TRAPP FN)))
          (BLOCK NIL (SET S (CAR (TRAPP FN)))
            (SET (TRAPP FN) (CDR (TRAPP FN))))))
        (IF (INQ (FNSTAT FN) 0)
          (BLOCK NIL (SET S (C2F. (BIT 0 24 (FUNCD FN)))))
            (SET (FUNCD FN)
              (WCRDOR (WCRDAND 7Q14 (FUNCD FN))
                (BIT 24 18 (FUNCD FN)))))) (RETURN S)))
      (RCUTINE (SETFD NOVALUE)
        ((FD SYMBCL) (J INTEGER))
        (BLOCK ((FN (FUNCTIONAL NOVALUE) (VAR2FUNC FD)) (S SYMBOL))
          (SET S (TRAPP FN))
          (SET (FUNCD FN)
            (WORDCR (WCRDAND 7Q14 (FUNCD FN)) (I20. (PLUS J 1)))))))
      (IF (NCT (ATCM S))
        (SETRAP FN (O2F. (CORE (PLUS (S20. (CAR S)) 1)))))))
      (RCUTINE (SETRAP NOVALUE)
        ((FN (FUNCTIONAL NOVALUE)) (FT (FUNCTIONAL NOVALUE)))
        (BLOCK NIL (IF (EQ (FNSTAT FN) 0)
          (BLOCK NIL (SET (BIT 45 3 (FUNCD FN)) 1Q)
            (SET (BIT 24 18 (FUNCD FN)) (BIT 0 18 (FUNCD FN)))))))
        (SET (BIT 0 24 (FUNCD FN)) (BIT 0 24 (F20. FT))))))
      (FUNCTION (UNDEFN NOVALUE)
        ((FN (FUNCTIONAL NOVALUE)) (S SYMBOL))
        (BLOCK NIL (SET (FUNCD FN)
          (WORDCR 2Q15 (WORDAND 7Q14 (FUNCD FN)) (F20. (FNTRAP . SYS))))))
        (IF S (SET (TRAPP FN) (LIST S))))))
      (RCUTINE (VREFCT NOVALUE)
        ((V SYMBOL) (I INTEGER))
        (SET (RADDR (S2C. V)) (PLUS (RADDR (S20. V)) I))))))
    (FNTRAP (SECTION SYS SYMBOL)
      (FUNCTION (FNTRAP NOVALUE)
        NIL (TRAPM FN NIL (BLOCK ((X SYMBCL (FUNC2VAR FN)))
          (ROUTINEDIES FN)
          (ERROR (CCNS (VARNAME X) (QUOTE UNDEFINED) (FVLIST X)))))))
      (FUNCTION (FMTRAP NOVALUE)
        NIL (ERROR (QUOTE (UNSET FUNCTIONAL VARIABLE APPLIED))))))
      (FUNCTION (LDTRAP NOVALUE)
        NIL (TRAPM FN NIL (BLOCK ((X SYMBCL (TRAPP FN)))
          (IF (NOT (ATOM X)) (SET X (CDR X)) (LOADL X))))))
      (FUNCTION (PGONE NOVALUE)
        NIL (TRAPM FN NIL (BLOCK ((J INTEGER (CODE (LDA (Z. 8)))))))

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(P SYMBOL PDCUT))
(ADPDCK (MINUS (PDBUF . GC)))
(SET PDCUT (QUOTE B))
(IF (EQ P (QUOTE B)) (SOS (QUOTE PDGONE)))
(IF (NULL P) (RECLAIM 0))
(SET (PCADD . GC) 0)
(IF (NULL P) (MESSAGE (QUOTE (STACK GREW)))))))
(FUNCTION (SCS SYMBOL)
((M SYMBOL))
(BLOCK NIL (TRY M E (MESSAGE (LIST (QUOTE SCS) M))) E (CODE (0))))))
(=C( EXCISE (SECTION SYS SYMBOL)
(FUNCTION ((EXCISE . LISP) SYMBOL)
((N SYMBOL) (S SYMBOL))
(BLOCK ((X SYMBOL (GETFRT N S)))
(RETURN (IF (NULL X) NIL (EXCISF X))))))
(FUNCTION (EXCISF SYMBOL)
((FD SYMBOL))
(BLOCK ((FN (FUNCTIONAL NOVALUE) (VAR2FUNC FD))
(S SYMBOL) (J INTEGER) (FREEZE BOOLEAN FREE TRUE))
(IF (NOT (FREADY FN))
(IF (NULL (SET S (UNLON FN))) (RETURN NIL) (LOADL S)))
(SET S (CFFTRAC FN))
(IF (FACTIVE FN)
(BLOCK NIL (IF S (CNTRAC FN S))
(ERRCR (CONS (VARNAM FD) (QUOTE (ACTIVE CANT EXCISE)))))))
(REMFN FD)
(SET J (PLUS (BIT 0 18 (FUNCD FN)) -1))
(SET (BIT 42 6 (CORE J)) 0Q)
(IF (EQ J BPC) ((FXFN . GC) J TRUE) (GO A))
(IF (EQ (PLUS J (LACDR J)) BPP)
(SET BPP J)
(SET (BPMIN . GC) (PLUS (BPMIN . GC) (MINUS (LADDR J))))))
A (UNDEFN FN S) (RETURN (VARNAM FD))))
(RCUTINE (FXRUB CCTAL)
((I OCTAL))
(BLOCK ((J CCTAL (BIT 42 6 (CORE (PLUS I 1))))))
(IF (LS I TRC)
(GO R)
(AND (LQ 7 J) (LQ J 31))
(SET I (I2O. (PLUS I 1))) (SET J (BIT 42 6 (CORE I))))
(IF (EQ J 7)
(SET (LACDR (PLUS I 1)) (PLUS (LACDR (PLUS I 1)) -1))
(SET (RADDR I) (PLUS (RADDR I) -1)) R)))
(GETBPS (SECTION SYS SYMBOL)
(FUNCTION (GETBPS INTEGER)
((I INTEGER))
(BLOCK ((BP INTEGER) (J INTEGER) (K INTEGER))
A (SET J (PLUS ARO (MINUS BPP)))
(SET K (PLUS J (MINUS (BPMIN . GC)))))
(IF (AND (LS (PLUS I (BPMIN . GC)) 0)
(NQ (SET BP (FITBPS I)) 0))
(GO R)
(GQ J I)
(BLOCK NIL (SET BP BPP) (SET BPP (PLUS BPP I)) (GO R)))
(INTERRUPT)
(IF (EQ K I)
(BLOCK NIL (PACBPS I) (GO A))
(AND (NOT FREEZE)
(GR (DIFFERENCE BPP BPO) (GC7 . GC)) (UNLBPS I))
(GO A)
(BLOCK NIL (SET (BPMIN . GC) (PLUS (BPMIN . GC) I))
(RECLAIM 0) (GO A)))
R (SET (CORE BP) I) (SET (LADDR BP) I) (RETURN BP)))
0044200
0044300
0044400
0044500
0044600
0044700
0044800
0044900
0045000
0045100
0045200
0045300
0045400
0045500
0045600
0045700
0045800
0045900
0046000
0046100
0046200
0046300
0046400
0046500
0046600
0046700
0046800
0046900
0047000
0047100
0047200
0047300
0047400
0047500
0047600
0047700
0047800
0047900
0048000
0048100
0048200
0048300
0048400
0048500
0048600
0048700
0048800
0048900
0049000
0049100
0049200
0049300
0049400
0049500
0049600
0049700
0049800
0049900
0050000
0050100
0050200
0050300
0050400

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(IF FOR V (IN (CADDR X))
  (IF (EQ (FNSTAT (SET FN (VAR2FUNC V))) 1)
    (IF (AND (EQ (AGE V) N) (TRAPEQ FN ITRAP1))
      (BLOCK NIL (SET (FUNCD FN)
        (WCRCOR (WORDAND 7Q14 (FUNCD FN))
          (BIT 24 18 (FUNCD FN)))) (UNLDFN V X)))
    (AND (LS N 0) (FREADY FN)) (UNLDFN V X)))))
  (RETURN FALSE)))
  (FUNCTION (INTERRUPT CCTAL)
    NIL (BLOCK ((ALA. OCTAL (CODE))))
    (BLOCK ((X SYMBOL) (V SYMBOL) (FN (FUNCTIONAL NOVALUE)))
      (FOR X (IN DUMPS)
        (FOR V (IN (CADDR X))
          (UNLESS (NOT (FREADY (SET FN (VAR2FUNC V))))))
            (IF (EQ (FNSTAT FN) 0)
              (BLOCK NIL (SETTRAP FN ITRAP1) (SET (AGE V) 0))
              (TRAPEC FN ITRAP1)
              (IF (LS (AGE V) 7) (SET (AGE V) (PLUS (AGE V) 1)))))))
        (CODE (LDX (INTCNT . SYS) 0 6)) (SET INTCNT INTCNT)
        (RETURN ALA.)))
      (FUNCTION (ITRAPI NOVALUE)
        NIL (BLOCK ((ALA. OCTAL (CODE))))
        (BLOCK ((FN (FUNCTIONAL NOVALUE)
          ((FNCALL . SYS) (CODE (LDA 0 8))))))
        (SET (FUNCD FN)
          (WORDCOR (WORDAND 7Q14 (FUNCD FN)) (BIT 24 18 (FUNCD FN))))
        (BLOCK ((CA OCTAL ((RESUME . SYS) FN NIL)))
          (SET (FMCALL . SYS) FN) (CODE (LDA ALA.) (BUC CA I)))))))
      (RCUTINE (FIXBPI NOVALUE)
        ((BP INTEGER) (A INTEGER) (B INTEGER))
        (CRG NIL (BLOCK ((I INTEGER (LADDR BP))
          (D INTEGER (PLUS B (MINUS A)))))
        (BLOCK ((BE INTEGER (PLUS BP I)) (BW OCTAL) (C INTEGER 0))
          (FOR BP (STEP BP 1)
            (WHILE (LS BP BE))
            (BLOCK NIL (IF (LS (SET C (PLUS C -1)) 0)
              (BLOCK NIL (SET BE (PLUS BE -1))
                (SET BW (CORE BE)) (SET C 23)))
              (IF (AND (NQ (WCRDAND BW 4Q15) 0)
                (LQ A (LADDR BP)) (LS (LADDR BP) (PLUS A I)))
                (SET (LADDR BP) (PLUS (LADDR BP) D)))
              (IF (AND (NQ (WCRDAND BW 2Q15) 0)
                (LQ A (RADDR BP)) (LS (RADDR BP) (PLUS A I)))
                (SET (RADDR BP) (PLUS (RADDR BP) D)))
                (SET BW (SHIFT BW 2))))))))
        (CLMP (SECTION SYS SYMBOL)
          (FUNCTION ((CDUMPSEC . LISP) SYMBOL)
            ((LNAME SYMBOL) (CUT SYMBOL) (SEC SYMBOL))
            (BLOCK ((I INTEGER 1) (L SYMBOL) (A SYMBOL))
              (FOR I (STEP I 1 GR CBLISZ)
                (FOR A (RESET (CBLIST I) (IDLINK A))
                  (WHILE A) (IF (GETFREE A SEC) (SET L (CONS (CONS A SEC) L))))))
              (RETURN (DUMPL LNAME OUT L)))))
          (FUNCTION ((CDUMP . LISP) SYMBOL)
            ((LNAME SYMBOL) (CUT SYMBOL) (L SYMBOL))
            (BLOCK ((LSIZE INTEGER 0)
              (B SYMBOL) (LF SYMBOL) (S SYMBOL) (M SYMBOL) (X SYMBOL))
              (IF (NCT (AND (IDP LNAME) (IDP CUT) (LISTP L)))
                (ERROR (QUOTE (BAD ARGS TO DUMPL))))
              (OPENL OUT)
              (SET B (GET (QUOTE BUF) (GET OUT (FILES. . IO)))))
              (SET LF (FINDN OUT LFILES))
              (SET (CDR B) (CREATE 512 (QUOTE CCTAL) 0)))))))

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```

(SET S (CUTPUT OUT))
(SET (SECTR . IO) (CDR LF))
(IF (FINDN LNAME DUMPS) (SET L (APPEND (REMovel LNAME) L)))
(FOR X (IN L) (IF (SET X (DUMPFN X LSIZE)) (SET M (CONS X M))))
(SET M (REVERSE M))
(ENDCUTR)
(SET DUMPS (CONS (LIST LNAME (LIST OUT (CDR LF) LSIZE) M NIL)
DUMPS))
(SET (CDR LF) (SECTR . IO))
(OUTPUT S) (SET (CDR B) NIL) (RETURN (MAPCAR M VARNAME)))
(FLNCTION (DLMPFN SYMBCL)
((X SYMBOL) (LSIZE INTEGER LOC))
(BLOCK ((V SYMBCL)
(FN (FUNCTIONAL NOVALUE))
(S SYMBCL)
(A (ARRAY OCTAL))
(BP INTEGER) (I INTEGER) (FREEZE BOOLEAN FREE TRUE))
(IF (OR (ATOM X) (NULL (SET V (GETFN (CAR X) (CDR X))))))
(RETURN NIL))
(SET FN (VAR2FLNC V))
(IF (NCT (FREADY FN))
(IF (NULL (SET S (UNLDN FN))) (RETURN NIL) (LOADL S)))
A (SET BP (PLUS -1 (IF (EQ (FNSTAT FN) 0)
(BIT 0 18 (FUNCD FN)) (BIT 24 18 (FUNCD FN)))))
(IF (LS BP BPO) (RETURN NIL))
(IF (NULL A)
(BLOCK NIL (SET A (CREATE (LADDR BP) (QUOTE OCTAL) 0)) (GO A)))
(FOR I (STEP (LADDR BP) -1 EQ 0)
(SET (A I) (CCRE (PLUS BP I -1))))
(FIXBPI (PLUS (S20. A) 1) BP 2Q5)
(FOR I (STEP 1 1 GR (LADDR BP))
(BLOCK NIL (PRINWORD (A I)) (SET LSIZE (PLUS LSIZE 1))))
(IF (EQ (PLUS (S20. A) I) ARP) (SET ARP (S20. A))) (RETURN V)))
(FLNCTION ((UNLOADL . LISP) SYMBCL)
((LNAME SYMBCL))
(BLOCK ((LL SYMCL (FINDN LNAME DUMPS)) (X SYMBOL))
(IF (NULL LL)
(ERROR (CCNS LNAME (QUOTE (ILLEGAL LIBRARY FILE NAME))))))
(FOR X (IN (CADR LL)) (UNLDFN X LL)))
(FLNCTION ((UNLDFN . LISP) SYMBCL)
((NAME SYMBCL) (SEC SYMBOL))
(BLOCK ((V SYMBCL (GETFN NAME SEC)) (LL SYMBOL))
(IF (NULL V) (RETURN NIL))
(FOR LL (IN DUMPS)
(UNLESS (NCT (MEMBERN V (CADDR LL))))
(BLOCK NIL (UNLDFN V LL) (GO R))) R))
(FLNCTION (UNLDFN SYMBCL)
((V SYMBOL) (LL SYMBCL))
(IF (NOT FREEZE)
(BLOCK ((FN (FLNCTIONAL NOVALUE) (VAR2FUNC V))
(BP INTEGER) (S SYMBCL) (FREEZE BOOLEAN FREE TRUE))
(SET S (OFFTRAC FN))
(IF (CR (NCT (FREADY FN)) (FACTIVE FN))
(BLOCK NIL (IF S (CNTRAC FN S)) (GO R)))
(SET BP (PLUS (BIT 0 18 (FUNCD FN)) -1))
(SET (BIT 42 E (CORE BP)) 0Q)
(SET (BPMIN . GC) (PLUS (BPMIN . GC) (MINUS (LADDR BP))))
(SET (FUNCD FN)
(WORDOR 2Q15 (WORDAND (FUNCD FN) 7Q14)
(BIT 0 24 (F20. LDTRAP))))
(SET (TRAPP FN) (CAR LL))
(IF S (SET (TRAPP FN) (CONS S (CAR LL)))) R) NIL)))
(LCALL (SECTION SYS SYMBCL)

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FUNCTION ((LCAOL . LISP) SYMBOL) 0069400
((LNAME SYMBOL)) 0069500
(BLOCK ((LL SYMBOL (FINDN LNAME CUMPS)) 0069600
(BP INTEGER) 0069700
(I INTEGER) 0069800
(J INTEGER) 0069900
(M SYMBOL) (U SYMBOL) (FF (FUNCTIONAL SYMBOL SYMBOL))) 0070000
(IF (NULL LL) 0070100
(ERROR (CCNS LNAME (QUOTE (NOT LIBRARY FILE NAME)))))) 0070200
(SET M (CADR LL)) 0070300
(IF (SET U (CADDR M)) (BLOCK NIL (SET FF (CAR U)) (FF (CDR U)))))) 0070400
(SET I (CADDR M)) 0070500
(IF (GR I (DIFFERENCE ARO BPP)) (UNLOADL LNAME)) 0070600
(SET BP (READLIB (CAR M) (CADR M) I)) 0070700
(SET J (PLS BP I)) 0070800
(FOR BP (RESET BP (PLUS BP (LADDR BP)))) 0070900
(WHILE (LS BP J)) 0071000
(BLOCK ((FN (FUNCTIONAL NOVALUE)
(D2F. (WCREDR 2Q7 (RADDR BP)))))) 0071100
(SET U (FUNC2VAR FN)) 0071200
(IF (OR (FREADY FN) (NOT (MEMBERN U (CADDR LL)))))) 0071300
(BLOCK NIL (SET (BIT 42 6 (CCRE BP)) 0Q)) 0071400
(SET (BPMIN . GC) (PLUS (BPMIN . GC) (MINUS (LADDR BP)))))) 0071500
(GC R)) (SETFD U BP) (FIXBPI BP 2Q5 BP) R)) 0071600
(RETURN LNAME))) 0071700
(FLNCTION ((CPNL . LISP) SYMBOL) 0071800
((X SYMBOL)) 0071900
(BLOCK ((S SYMBOL (FINDN X LFILES)) (Y SYMBOL)) 0072000
(IF (GET X (FILES. . IO)) 0072100
(IF S (RETURN NIL) 0072200
(ERRCR (CCNS X (QUOTE (NOT LIBRARY FILE)))))) 0072300
(IF S (SET Y (LIST (QUOTE OLD)))) 0072400
(SET LFILES (CONS (CONS X O) LFILES))) 0072500
(OPEN X (APPEND Y (APPEND (QUOTE ((FORM . BINARY)
(RECORD . 512))) DISC.))) 0072600
(SET (CDR (GET (QUOTE BUF) (GET X (FILES. . IO)))) NIL) 0072700
(RETURN X))) 0072800
(FLNCTION (READLIB INTEGER) 0072900
((FILE SYMBOL) (SECT INTEGER) (I INTEGER)) 0073000
(BLOCK ((SHORWD . IO) (QUOTE (*STRING ANYSIX)))) 0073100
(BLOCK ((NAME INTEGER ((VRTNM . IO) FILE))) 0073200
(OPENL FILE) 0073300
(BLOCK ((BP INTEGER (GETBPS I)))) 0073400
(BLOCK ((B INTEGER BP) (J INTEGER I) (K INTEGER) (S INTEGER)) 0073500
(FOR J (RESET J (PLUS J (MINUS K)))) 0073600
(WHILE (NQ J 0))) 0073700
(BLOCK NIL (IF (GR (INLIB B NAME SECT (SET K (MIN J (TIMES
512 (SET S (PLUS 8 (MINUS (REMAINDER SECT 8)))))))))) 3) 0073800
(BLOCK NIL (SET (CORE BP) 0)) 0073900
(SET (LADDR BP) I) 0074000
(SET (BPMIN . GC) (PLUS (BPMIN . GC) (MINUS I)))) 0074100
(ERROR (QUOTE (READLIB ERROR)))))) 0074200
(SET B (PLUS B K)) (SET SECT (PLUS SECT S))) 0074300
(RETURN BP)))))) 0074400
(SET B (PLUS B K)) (SET SECT (PLUS SECT S))) 0074500
(RETURN BP)))))) 0074600
(RETURN (INLIB INTEGER)) 0074700
((BP INTEGER) (NAME INTEGER) (SECT INTEGER) (I INTEGER)) 0074800
(BLOCK NIL (SET (CORENTRY MNAME) NAME)) 0074900
(SET (CORENTRY MINCUT) (CORENTRY IN)) 0075000
(SET (CORENTRY MLOC) BP) 0075100
(SET (CORENTRY MSECTR) SECT) 0075200
(SET (CORENTRY MSIZE) I) 0075300
(CODE (LDA (ENTRY MCALL) (RA R)) (BUC (ENTRY DSPCHR))) 0075400
(RETURN (BIT 0 6 (CORENTRY MSTAT)))) 0075500
(RETURN (BIT 0 6 (CORENTRY MSTAT)))) 0075600

```

(FUNCTION (REMFN NOVALUE))	0075700
((FD SYMBOL))	0075800
(BLOCK ((X SYMBOL))	0075900
(FOR X (IN DUMPS))	0076000
(UNLESS (NOT (MEMBER FD (CADR X))))	0076100
(BLOCK NIL (IF (SET (CADDR X) (DELETE FD (CADDR X)))	0076200
(SET (CADDR X) (CONS FD (CADDR X))) (REMOVEV (CAR X))))))	0076300
(FUNCTION ((REMOVEV . LISP) SYMBOL))	0076400
((LNAME SYMBOL))	0076500
(BLOCK ((LL SYMBOL (FINDN LNAME DUMPS))	0076600
(FREEZE BCCLEAN FREE TRUE))	0076700
(IF (NULL LL) (RETURN NIL))	0076800
(LOADL (CAR LL))	0076900
(SET DUMPS (DELETE LL DUMPS))	0077000
(RETURN (MAPCAR (CADDR LL) VARNAME))))	0077100
(START (SECTION SYS SYMBOL))	0077200
(FUNCTION ((START . SYS) NOVALUE))	0077300
NIL (BLOCK ((X SYMBOL))	0077400
(IOINI)	0077500
A (RESTART)	0077600
(TRY X E (SUPVFN ITTY CTTY (QUOTE IL)))	0077700
(GO A) E (TRY X A (PRBACK X)) (GO A)))	0077800
(FUNCTION (SYSINI NOVALUE))	0077900
NIL (BLOCK ((X (ARRAY OCTAL) (02S. (ENTRY FIXBUF))))	0078000
(SET (BUFIX . IC) X)	0078100
(LOCSET (FIXLOC . IC) (X 0))	0078200
(SET ECFCH (CCT2CH 34Q))	0078300
(SET XXCHAR (OCT2CH 14Q1))	0078400
(SET TRYVAR (GETFREE (QUOTE TRYPT) (QUOTE SYS)))	0078500
(CODE (LDA (TRP . SYS)))	0078600
(ADD (PDBUF . GC))	0078700
(STA (ENTRY PDOK1) S7.123)	0078800
(ADD (NUMBER 25)) (STA ((ENTRY PDOK) 1) S7.123)))	0078900
(FUNCTION (PRBACK NOVALUE))	0079000
((X SYMBOL))	0079100
(BLOCK NIL (SET BACKTRACE BACTRC))	0079200
(MESSAGE (APPEND (QUOTE (TOP LEVEL EXIT VALUE)) X))	0079300
(MESSAGE (CONS (QUOTE BACKTRACE) (LASTN PRNMAX BACKTRACE))))	0079400
(FUNCTION (ICINI NOVALUE))	0079500
NIL (BLOCK NIL (SET (FILES. . IC) NIL))	0079600
(SET (ICURFN . IC) (SET (CURFN . IC) NIL))	0079700
(SET (COREENTRY DNAME) (CORE (PLUS (ENTRY BELL) 2)))	0079800
(SET (BIT 0 6 (COREENTRY DUNIT)) 1Q1)	0079900
(SET (BIT 0 6 (COREENTRY DFORM)) 21Q)	0080000
(SET (COREENTRY DSIZE) 1)	0080100
(CODE (LDA (ENTRY DCALL) (L567.7 R)) (BUC (ENTRY DSPCHR)))	0080200
(OPEN ITTY TTY.)	0080300
(OPEN CTTY TTY.) (INPUT ITTY) (OUTPUT OTTY) (MESSAGE SIGNON))	0080400
(FUNCTION (RESTART NOVALUE))	0080500
NIL (BLOCK NIL (SET (FSCHAR . FSM) NIL))	0080600
((MAKEST . FSM)) (SET (BACTRC . LISP) NIL)))	0080700
(FUNCTION (RECOV NOVALUE) NIL (CODE (0)))	0080800
(FUNCTION (LSUPV NOVALUE))	0080900
((INFILE SYMBOL) (OUTFILE SYMBOL) (FORM SYMBOL))	0081000
(BLOCK ((A SYMBOL)	0081100
(B SYMBOL))	0081200
(G (FUNCTIONAL SYMBOL))	0081300
(INFILE SYMBOL (INPUT INFILE)) (CLT SYMBOL (OUTPUT OUTFILE)))	0081400
(ENDIN)	0081500
A (SET A (READ))	0081600
B (IF (NOT (ATCM A))	0081700
(IF (EQ (CAR A) (QUOTE LAP))	0081800
(GO LAP) (EQ INFILE ITTY) (GC PR) (GO A))	0081900

(OR (EQN A EOFCH) (EQ A (QUOTE STOP)) (EQ A (QUOTE END)))	0082000
(GO EXIT))	0082100
AT (SET B (READ))	0082200
(IF (EQ A (QUOTE DISC))	0082300
(SET A (OPEN (CAR B) (APPEND (CDR B) DISC.)))	0082400
(EQ A (QUOTE TAPE))	0082500
(SET A (OPEN (CAR B) (APPEND (CDR B) TAPE.)))	0082600
(EQ A (QUOTE LSUPV))	0082700
(LSUPV (CAR B) (CADR B) (QUOTE IL))	0082800
(EQ A (QUOTE ID))	0082900
(SET A (S20. B))	0083000
(EQ A (QUOTE TRACEARGS))	0083100
(SET A (TRACEARGS B))	0083200
(EQ A (QUOTE UNTRACE))	0083300
(SET A (UNTRACE B))	0083400
(EQ A (QUOTE DUMPSEC))	0083500
(SET A (DUMPSEC (CAR B) (CADR B) (CADDR B)))	0083600
(EQ A (QUOTE DUMPL))	0083700
(SET A (DUMPL (CAR B) (CADR B) (CADDR B)))	0083800
(EQ A (QUOTE UNLOADL))	0083900
(SET A (UNLOADL B))	0084000
(EQ A (QUOTE EVAL))	0084100
(SET A (EVAL B))	0084200
(EQ A (QUOTE FREE))	0084300
(BLOCK ((V SYMBOL (GETFREE (CAR B) (CDR B))))	0084400
(IF V (SET A (LIST A (S20. V)	0084500
(CORE (PLUS (S20. V) -1)) (FVLIST V))))	0084600
(EQ A (QUOTE LAPSTCP))	0084700
(BLOCK NIL (IF (NOT B) (SET A (LAPGO))) (SET LAPSTOP B))	0084800
(EQ A (QUOTE SUPV)) (SUPV) (BLOCK NIL (SET A B) (GO B)))	0084900
(GO PR)	0085000
LAP (SET (ERRFLG . SUPV) FALSE)	0085100
(SET A (LAP (CADR A) (CADDR A) (CADDR A)))	0085200
(IF (ERRFLG . SUPV) (GO A) (NQ (CDR A) (QUOTE RUN)) (GO PR))	0085300
(SET B A)	0085400
(SET G (VAR2FUNC (GETFREE (CAR B) (CDR B))))	0085500
(SET A (G))	0085600
(EXCISE (CAR B) (CDR B))	0085700
PR (PRETTYP A) (GO A) EXIT (INPLT INF) (OUTPUT CUT))))	0085800
	0085900

****END OF FILE DETECTED

(CLMNY (SECTION (LAP SYS) SYMBOL)	0000100
(FUNCTION ((LAP . LISP) SYMBOL)	0000200
((A SYMBOL) (B SYMBOL) (C SYMBOL)))	0000300
(FUNCTION (LAPP SYMBOL))	0000400
((LISTING SYMBOL) (DLIST SYMBOL) (SNAME SYMBOL FLUID)))	0000500
(FUNCTION (LAPDECLARE NOVALUE) ((C SYMBOL)))	0000600
(FUNCTION (FREEDECL SYMBOL) ((D SYMBOL)))	0000700
(FUNCTION (FCRMALIZE SYMBOL) ((V SYMBOL) (D SYMBOL)))	0000800
(FUNCTION (VNAMER SYMBOL) ((N SYMBOL)))	0000900
(FUNCTION (LAP1 NOVALUE) ((MODE SYMBOL) (PDK INTEGER)))	0001000
(RCUTINE (LAPPUSH1 NOVALUE) ((N INTEGER)))	0001100
(RCUTINE (LAPPBP1 NOVALUE) ((N INTEGER)))	0001200
(RCUTINE (NUMADDR BBOOLEAN) ((X SYMBOL)))	0001300
(FLNCTION (RCUTP SYMBOL) ((V SYMBOL)))	0001400
(FUNCTION (LAP2 NOVALUE) ((MODE SYMBOL) (PDK INTEGER)))	0001500
(FLNCTION (FLBIND SYMBOL) ((L SYMBOL)))	0001600
(FUNCTION (FLRESTS SYMBOL) NIL)	0001700
(FLNCTION (LAPADER NOVALUE) ((X SYMBOL) (P BBOOLEAN)))	0001800
(FLNCTION (LAPABSDR INTEGER) ((X SYMBOL)))	0001900
(FLNCTION (LAPADD1 BBOOLEAN) ((X SYMBOL) (P BOOLEAN)))	0002000
(FLNCTION (LAPTAG NOVALUE) ((X SYMBOL)))	0002100
(FLNCTION (BYTMD SYMBOL) ((L SYMBOL)))	0002200
(FLNCTION (APMCD SYMBOL) ((P OCTAL) (A SYMBOL)))	0002300
(FUNCTION (LAPPUSH NOVALUE) ((N INTEGER) (B OCTAL)))	0002400
(RCUTINE (LAPPBP NOVALUE) ((N INTEGER)))	0002500
(FLNCTION (LAPCALL2 NOVALUE) NIL)	0002600
(FUNCTION (BPINSTR NOVALUE) ((C OCTAL) (R INTEGER) (Y SYMBOL)))	0002700
(FLNCTION (BPINST NOVALUE)	0002800
((C OCTAL) (L INTEGER) (X SYMBOL) (R INTEGER) (Y SYMBOL)))	0002900
(RCUTINE (BPADDR OCTAL)	0003000
((C INTEGER) (M SYMBOL) (A INTEGER) (H SYMBOL)))	0003100
(RCUTINE (BPLCC INTEGER) ((C INTEGER)))	0003200
(FUNCTION (REMWORD NOVALUE) ((C OCTAL) (R INTEGER) (Y SYMBOL)))	0003300
(FLNCTION (NDUP SYMBOL) ((N INTEGER) (X SYMBOL)))	0003400
(FLNCTION (LAPNIX NOVALUE) ((M SYMBOL)))	0003500
(RCUTINE (LAPID SYMBOL) ((X SYMBOL)))	0003600
(RCUTINE (LAPFREE SYMBOL) ((N SYMBOL) (SN SYMBOL)))	0003700
(FLNCTION ((LAPGC . SYS) SYMBOL) NIL)	0003800
(FLNCTION (PRINCCM NOVALUE) ((M SYMBOL) (I INTEGER)))	0003900
(FLNCTION (BLANKS NOVALUE) ((I INTEGER)))	0004000
(FLNCTION (PRINOCM NOVALUE) ((C OCTAL) (I INTEGER))))	0004100
(LAPINIT (SECTION CPCODE SYMBOL)	0004200
(DECLARE (PER OCTAL CWN 4Q13)	0004300
(XEC OCTAL CWN 1Q14)	0004400
(BUC OCTAL CWN 14Q13)	0004500
(BUS OCTAL CWN 15Q13)	0004600
(SFC OCTAL CWN 2Q14)	0004700
(SFA OCTAL CWN 201Q12)	0004800
(CYC OCTAL CWN 24Q13)	0004900
(CYA OCTAL CWN 241Q12)	0005000
(CYB OCTAL CWN 242Q12)	0005100
(STF OCTAL CWN 5Q14)	0005200
(STZ OCTAL CWN 51Q13)	0005300
(ADD OCTAL CWN 1Q15)	0005400
(ADM OCTAL CWN 104Q13)	0005500
(SUB OCTAL CWN 11Q14)	0005600
(SBM OCTAL CWN 114Q13)	0005700
(MUL OCTAL CWN 12Q14)	0005800
(EVD OCTAL CWN 134Q13)	0005900
(LDA OCTAL CWN 2Q15)	0006000
(LDM OCTAL CWN 204Q13)	0006100
(LDC OCTAL CWN 21Q14)	0006200
(LMC OCTAL CWN 214Q13)	0006300

(LDB OCTAL CWN 22Q14)	0006400
(LBC OCTAL CWN 224Q13)	0006500
(LDL OCTAL CWN 23Q14)	0006600
(LLC OCTAL CWN 234Q13)	0006700
(FAD OCTAL CWN 3Q15)	0006800
(FAM OCTAL CWN 304Q13)	0006900
(FSB OCTAL CWN 31Q14)	0007000
(FSM OCTAL CWN 314Q13)	0007100
(FLT OCTAL CWN 32Q14)	0007200
(FRN OCTAL CWN 324Q13)	0007300
(FMP OCTAL CWN 33Q14)	0007400
(FDV OCTAL CWN 334Q13)	0007500
(CAS OCTAL CWN 4Q15)	0007600
(INS OCTAL CWN 404Q13)	0007700
(COM OCTAL CWN 41Q14)	0007800
(TST OCTAL CWN 414Q13)	0007900
(LDX OCTAL CWN 42Q14)	0008000
(ATX OCTAL CWN 424Q13)	0008100
(CON OCTAL CWN 43Q14)	0008200
(ANA OCTAL CWN 430004Q10)	0008300
(XOR OCTAL CWN 43003Q11)	0008400
(CRA OCTAL CWN 430034Q10)	0008500
(ANS OCTAL CWN 430204Q10)	0008600
(STMZ OCTAL CWN 430274Q10)	0008700
(LDS OCTAL CWN 434Q13)	0008800
(STS OCTAL CWN 44Q14)	0008900
(LDI OCTAL CWN 444Q13)	0009000
(STA OCTAL CWN 5Q15)	0009100
(STB OCTAL CWN 504Q13)	0009200
(STL OCTAL CWN 51Q14)	0009300
(STP OCTAL CWN 514Q13)	0009400
(STX OCTAL CWN 52Q14)	0009500
(ECH OCTAL CWN 524Q13)	0009600
(AOR OCTAL CWN 53Q14)	0009700
(SOR OCTAL CWN 534Q13)	0009800
(ATR OCTAL CWN 54Q14)	0009900
(BOZ OCTAL CWN 6002Q12)	0010000
(BNZ OCTAL CWN 6012Q12)	0010100
(BOZP OCTAL CWN 6Q15)	0010200
(BNZP OCTAL CWN 601Q13)	0010300
(BOZM OCTAL CWN 6001Q12)	0010400
(BNZM OCTAL CWN 6011Q12)	0010500
(BSN OCTAL CWN 604Q13)	0010600
(BSG OCTAL CWN 61Q14)	0010700
(BOP OCTAL CWN 61000177Q8)	0010800
(BOM OCTAL CWN 61040177Q8)	0010900
(BAR OCTAL CWN 614Q13)	0011000
(BXH OCTAL CWN 7Q15)	0011100
(BXL OCTAL CWN 71Q14)	0011200
(BXE OCTAL CWN 72Q14)	0011300
(BSX OCTAL CWN 73Q14)	0011400
(BAX OCTAL CWN 74Q14)	0011500
(BPX OCTAL CWN 75Q14) (BMX OCTAL CWN 76Q14))	0011600
(SECTION MDCODE SYMBCL)	0011700
(DECLARE (A OCTAL OWN 17Q)	0011800
(AC OCTAL OWN 17Q)	0011900
(A. OCTAL OWN 17Q)	0012000
(I OCTAL OWN 2Q1)	0012100
(C OCTAL OWN 4Q1)	0012200
(L OCTAL OWN 4Q6)	0012300
(R OCTAL OWN 1Q7)	0012400
(S OCTAL OWN 4Q4)	0012500
(T OCTAL OWN 4Q5) (N OCTAL OWN 1Q7) (RA OCTAL OWN 37Q3))	0012600

(SECTION (LAP SYS) SYMBOL)	0012700
(DECLARE (ENTRIES SYMBOL OWN))	0012800
(DECLARE ((LAPSTCP . SYS) BOOLEAN FREE) (LAPSTL SYMBOL OWN))	0012900
(DECLARE (SNAME SYMBOL FLUID))	0013000
(FNAME SYMBOL FLUID)	0013100
(FSEC SYMBOL FLUID)	0013200
(ROUT BOOLEAN FLUID)	0013300
(FDESC SYMBOL FLUID)	0013400
(FSIZ INTEGER FLUID)	0013500
(CRIGIN BOOLEAN FLUID)	0013600
(CRGMODE BOOLEAN FLUID)	0013700
(ILC INTEGER FLUID)	0013800
(RLC INTEGER FLUID)	0013900
(PDC INTEGER FLUID)	0014000
(PDMAP SYMBOL FLUID)	0014100
(MAPS SYMBOL FLUID)	0014200
(PDMIN INTEGER FLUID)	0014300
(PDMAX INTEGER FLUID)	0014400
(LABELS SYMBOL FLUID)	0014500
(ALIST SYMBOL FLUID)	0014600
(APLIST SYMBOL FLUID)	0014700
(FL SYMBOL FLUID)	0014800
(FA INTEGER FLUID)	0014900
(FM SYMBOL FLUID)	0015000
(FR INTEGER FLUID)	0015100
(TAG INTEGER FLUID)	0015200
(LG SYMBOL FLUID)	0015300
(IT SYMBOL FLUID) (ERRS BOOLEAN FLUID) (OUTLAP SYMBOL OWN))	0015400
(MACROS (SECTION SYS SYMBOL))	0015500
MACRO1 (((FLVAL (LAMBDA (X)	0015600
(LIST (QLCTE CORE))	0015700
(LIST (QUCTE PLUS))	0015800
-1 (APPEND (QUOTE (CHEAT SYMBOL INTEGER)) (CDR X)))))))	0015900
(RCUTINE (SETFD NOVALUE) ((FD SYMBC) (J INTEGER)))	0016000
(FUNCTION (MESSAGE SYMBOL) ((M SYMBOL)))	0016100
(FUNCTION (EXCISF SYMBOL) ((V SYMBOL)))	0016200
(FUNCTION (FTRANS SYMBOL) ((P SYMBC)))	0016300
(FUNCTION (GETBPS INTEGER) ((I INTEGER)))	0016400
(RCUTINE (VREFCT NOVALUE) ((V SYMBC)(I INTEGER)))	0016500
(DECLARE ((ERRFLG . SUPV) BOOLEAN FREE)))	0016600
(LAP (SECTION (LAP SYS) SYMBOL))	0016700
(FUNCTION ((LAP . LISP) SYMBOL))	0016800
((A SYMBOL) (B SYMBOL) (C SYMBOL))	0016900
(BLOCK ((APLIST SYMBOL FREE NIL)) (RETURN (LAPP A B C))))	0017000
(FUNCTION (LAPP SYMBOL))	0017100
((LISTING SYMBOL) (DLIST SYMBOL) (SNAME SYMBOL FLUID))	0017200
(BLOCK ((FNAME SYMBOL FLUID))	0017300
(FSEC SYMBOL FLUID)	0017400
(ROUT BOOLEAN FLUID)	0017500
(FDESC SYMBOL FLUID)	0017600
(FSIZ INTEGER FLUID)	0017700
(ORIGIN BOOLEAN FLUID)	0017800
(ORGMCDE BOOLEAN FLUID)	0017900
(ILC INTEGER FLUID)	0018000
(RLC INTEGER FLUID)	0018100
(PDC INTEGER FLUID)	0018200
(PDMAP SYMBOL FLUID)	0018300
(MAPS SYMBOL FLUID)	0018400
(PDMIN INTEGER FLUID)	0018500
(PDMAX INTEGER FLUID)	0018600
(LABELS SYMBOL FLUID)	0018700
(ALIST SYMBOL FLUID)	0018800
(FL SYMBOL FLUID)	0018900

(HA INTEGER FLUID)	C019000
(HM SYMBOL FLLID)	0019100
(HR INTEGER FLUID)	0019200
(TAG INTEGER FLUID)	0019300
(LG SYMBOL FLLID)	0019400
(IT SYMBOL FLLID)	0019500
(ERRS BOOLEAN FLUID)	0019600
(FD SYMBOL)	0019700
(A SYMBOL) (D SYMBOL) (I INTEGER) (J INTEGER) (PATCH BOCLEAN))	0019800
(SET DLIST (MAPCAR CLIST FREEDECL))	0019900
(IF (EQ (CAR LISTING) (QUOTE PATCH))	0020000
(GO B) (EQ (CAR LISTING) (QUOTE RCUTINE)) (SET ROUT TRUE))	0020100
(SET FRAME (VNAMER (CAADR LISTING)))	0020200
(SET FSEC (CDR FNAME))	0020300
(SET D (CADDR LISTING))	0020400
(SET A (LIST (CAR LISTING))	0020500
(FORMALIZE (CADADR LISTING) D) (QUOTE VALUE)))	0020600
(SET FD (FREEDECL (CCNS FNAME A)))	0020700
(SET FDESC (FREEDECL (CONS (CONS (GENID) (QUOTE TEMP)) A)))	0020800
(SET FRAME (CAR FNAME))	0020900
(IF (NULL FD) (GO ERRS))	0021000
(SET FSIZ (PLUS FPP (SET ILC 1)))	0021100
(SET LG (CDDR LISTING))	0021200
(GO LAP1)	0021300
B (SET FRAME (QUOTE PATCH))	0021400
(SET ILC (SET FSIZ FPP))	0021500
(SET ORIGIN (SET ORGMODE (SET PATCH TRUE)))	0021600
(SET LG (CDR LISTING))	0021700
LAP1 (SET PDMAX 1)	0021800
(SET RLC (SET PDC (SET PDMIN 0)))	0021900
(IF D (SET PDC 1))	0022000
(LAP1 (QUOTE END) 0)	0022100
J (LAP1 NIL 0)	0022200
(IF LG (GO J) ERRS (GO ERRS) (NCT PATCH) (VREFCT FDESC 1))	0022300
(IF (NCT ORIGIN) (GC C) (NOT ORGMODE) (SET ILC FSIZ))	0022400
(SET FSIZ (PLUS ILC RLC (MINUS FPP)))	0022500
(SET ORGMODE TRUE)	0022600
(SET RLC ILC)	0022700
(SET J (SET ILC FPP))	0022800
(IF PATCH (GO E) (GO D))	0022900
C (SET FSIZ (PLUS ILC RLC))	0023000
(SET I (IQLCTIENT (PLUS FSIZ 23) 24))	0023100
(SET FSIZ (PLUS FSIZ I))	0023200
(SET J (GETBPS FSIZ))	0023300
(FOR I (STEP I -1 EQ 0) (SET (CCRE (PLUS J FSIZ (MINUS I))) 0Q))	0023400
(SET RLC ILC)	0023500
(SET ILC 0)	0023600
D (SETFD FDESC J)	0023700
(BPINST 400000001Q6 FSIZ (QUOTE A) (S20. FDESC) (QUOTE F))	0023800
(PRINCCM NIL 0)	0023900
(SET LG (CDDR LISTING))	0024000
(SET MAPS (LIST (CONS 0 (PLUS ILC -1)) (CONS -1 (PLUS ILC -1))))	0024100
(GO LAP2)	0024200
E (SET LG (CDR LISTING))	0024300
(SET MAPS (QUOTE ((0 . 4002Q1) (-1 . 0))))	0024400
LAP2 (SET PDC (MINUS (LENGTH D)))	0024500
(SET ALIST (SET FL NIL))	0024600
(LAPDECLARE D)	0024700
(IF PDMAP (SET (CDR PDMAP) NIL))	0024800
(SET PCMIN 0)	0024900
(LAP2 (QUOTE END) 0)	0025000
K (LAP2 NIL 0)	0025100
(IF LG (GO K))	0025200

(IF PATCH (GC R)
ERRS (BLOCK NIL (EXCISF FDESC) (GC ERRS))
(AND LAPSTOP (NQ FSEC (QUOTE RUN)))
(SET LAPSTL (CONS (CONS FD FDESC) LAPSTL))
(IFTRANS (CCNS FD FDESC))
R (RETURN (CCNS FNAME FSEC))
ERRS (SET (ERRFLG . SUPV) TRUE) (GC R)))
(LAPDECLARE (FUNCTION (LAPDECLARE NCVALUE)
((D SYMBOL))
(BLOCK ((V SYMBOL) (CT SYMBOL) (CF SYMBOL) (DL SYMBOL))
A (IF (NULL C) (GO EXIT))
(SET V (CAR C))
(SET D (CDR C))
(SET DT (CADR V))
(SET DF (OR (MEMBER (QUOTE FREE) (CDDR V))
 (MEMBER (QUOTE FLUID) (CDDR V))))
(SET DL (MEMBER (QUOTE LOC) (CDDR V)))
(SET V (CAR V))
(IF (AND (ATCM V) (NCT DF)) (GC C))
(SET V (VNAMER V))
(MAKEFREE (CAR V))
 (CDR V) (QUOTE STET) CT (IF DL (QUOTE LOC) (QUOTE VALUE)))
(SET DF (IF DL (QUOTE (LOC)) (QUOTE (FLUID))))
C (LAPPUSH 1 (IF (OR DL (EQ DT (QUOTE SYMBOL))
 (NOT (ATOM CT))) 1Q 0Q))
(IF (EQ PDC 0) (SET PDC 1))
(SET ALIST (CONS (CCNS V PDC DF) ALIST)) (GO A) EXIT))
(FUNCTION (FREEDECL SYMBOL)
((D SYMBOL))
(BLOCK ((N SYMBOL))
 (SET N (VNAMER (CAR D)))
 (RETURN (MAKEFREE (CAR N))
 (CDR N)
 (IF (OR (EQ (CADR D) (QUOTE FREE))
 (EQ (CADR D) (QUOTE FLUID))) (QUOTE STET) (CADR D))
 (CADDR D)
 (IF (MEMBER (QUOTE LOC) (CDDR D))
 (QUOTE LOC) (QUOTE VALUE))))))
(FUNCTION (FCRMALIZE SYMBOL)
((V SYMBOL) (D SYMBOL))
 (CONS (QUOTE FUNCTIONAL)
 V (MAPCAR C (FUNCTION ((G02446 . G02447) SYMBOL))
 ((J SYMBOL))
 (IF (MEMBER (QUOTE LOC) (CDDR J))
 (LIST (FTYPER (CADR J)) (QUOTE LOC)) (FTYPER (CADR J)))))))
(FUNCTION (VNAMER SYMBOL)
((N SYMBOL)) (IF (ATCM N) (CONS N SNAME) N))
(LAPI (FUNCTION (LAPI NCVALUE)
((MODE SYMBOL) (PDK INTEGER))
(BLOCK ((CP SYMBOL) (X SYMBOL) (U SYMBOL))
A (IF (NULL LG)
 (GO E)
 (AND (NCT (ATCM (CAR LG))) (EQ (CAAR LG) (QUOTE DITTO)))
 (GO DITTO))
 (SET IT (CAR LG))
 (SET LG (CDR LG))
 V (IF (NCT (ATCM IT))
 (GO B)
 (OR (IDP IT) (FIXP IT)) (GO LABEL) IT (LAPNIX (QUOTE ITEM)))
 (GO A))
 LABEL (SET U (FIND IT LABELS))
 (IF U (LAPNIX (QUOTE (MULTIPLE LABEL)))
 (SET LABELS (CONS (CONS IT (LC) LABELS))))

(GO A)	0031600
B (SET CP (CAR IT))	0031700
(SET X (CDR IT))	0031800
(SET U (FINDN CP (QUOTE ((ORG . 0)	0031900
(ENTRY . 0)	0032000
(BEGIN . 2)	0032100
(RETURN . 1)	0032200
(BLOCK . 0)	0032300
(DECLARE . 0)	0032400
(END . 0)	0032500
(ARGS . 0)	0032600
(CALL . 2)	0032700
(CALL1 . 1)	0032800
(CALL2 . 1)	0032900
(FLBIND . 1)	0033000
(PLSHA. . C) (PUSHP. . 0) (PCP. . 0) (COMMENT . 0))))	0033100
(IF (NULL U)	0033200
(GO C)	0033300
(AND (EQ CP (QUOTE BEGIN)) ROUT) (SET U (QUOTE (BEGIN . 1))))	0033400
(SET ILC (PLUS ILC (CDR U)))	0033500
(IF (EQ CP (QUOTE ORG))	0033600
(GO ORG)	0033700
(EQ CP (QUOTE BLOCK))	0033800
(GO BLOCK)	0033900
(EQ OP (QUOTE DECLARE))	0034000
(GO DECLARE)	0034100
(EQ OP (QUOTE END))	0034200
(GO END)	0034300
(EQ OP (QUOTE ARGS))	0034400
(GO ARGS)	0034500
(EQ OP (QUOTE CALL))	0034600
(GO CALL)	0034700
(EQ OP (QUOTE CALL2))	0034800
(GO CALL2)	0034900
(EQ OP (QUOTE CALL1))	0035000
(GO CALL1)	0035100
(EQ OP (QUOTE FLBIND))	0035200
(GO FLBIND)	0035300
(EQ OP (QUOTE PUSH.))	0035400
(GO PUSH.))	0035500
(EQ OP (QUOTE PUSHP.))	0035600
(GO PLSHP.) (EQ OP (QUOTE POP.)) (GO POP.))	0035700
(GO A)	0035800
C (IF (NULL X)	0035900
(GO D)	0036000
(OR (EQ (CAR X) (QUOTE PUSHP.)) (EQ (CAR X) (QUOTE PUSH.A.)))	0036100
(LAPPLSH1 1)	0036200
(EQ (CAR X) (QUOTE POP.))	0036300
(LAPPBP1 1) (NUMADDR (CAR X)) (SET RLC (PLUS RLC 1)))	0036400
(IF (AND (CDR X) (CDDR X) (NUMADDR (CADDR X))))	0036500
(SET RLC (PLUS RLC 1)))	0036600
C (SET ILC (PLUS ILC 1))	0036700
(GO A)	0036800
DITTO (IF (EQ (CADAR LG) 0) (GO W))	0036900
(SET LG (CCNS (LIST (QUOTE DITTO) (PLUS (CADAR LG) -1))	0037000
(CDR LG))))	0037100
(GO V)	0037200
W (SET LG (CDR LG))	0037300
(GO A)	0037400
CRG (SET ORIGIN TRUE)	0037500
(IF ORGMODE (SET FSIZ ILC))	0037600
(SET ORGMODE (CR (NULL X) (NULL (CAR X)))))	0037700
(SET ILC (IF ORGMODE FSIZ (LAPABSADDR (CAR X)))))	0037800

(GO A)	0037900
BLOCK (BLOCK ((FL SYMBOL FLUID)) (LAP1 (QUOTE DECLARE) PDC))	0038000
(GO A)	0038100
DECLARE (LAPPOL1 (DIFFERENCE PDC PDK))	0038200
(LAPPUSH1 (LENGTH X))	0038300
(IF (EQ MODE (QUOTE DECLARE))	0038400
(SET MODE (QUOTE END)) (LAPNIX (QUOTE (DECLARE MISPLACED))))	0038500
(GO A)	0038600
END (IF (NCT (EQ MODE (QUOTE END)))	0038700
(LAPNIX (QUOTE (END MISPLACED))))	0038800
R (SET ILC (PLUS ILC (LENGTH FL)))	0038900
(LAPPOL1 (DIFFERENCE PDC PDK))	0039000
(GO EXIT)	0039100
ARGS (BLOCK ((FL SYMBOL FLUID)) (LAP1 (QUOTE CALL) PDC))	0039200
(GO A)	0039300
CALL CALL2 (IF (RCUTP (CAR X))	0039400
(SET ILC (PLUS ILC -1))	0039500
(BLOCK NIL (IF ROUT (LAPNIX (QUOTE (FUNCTION CALL))))	0039600
(SET RLC (PLUS RLC (TIMES (MAX 0 (IQUOTIENT (PLUS PDC (MINUS	0039700
PDMIN) -1) 24) 2))) (SET PDMIN PDC)))	0039800
CALL1 (IF (EQ MODE (QUOTE CALL)) (GO R))	0039900
(LAPNIX (QUOTE (MISPLACED CALL)))	0040000
(GO A)	0040100
FLBIND (IF (NULL X) (GC A))	0040200
(SET U (LENGTH X))	0040300
(SET ILC (PLUS ILC U))	0040400
(LAPPUSH1 U)	0040500
(SET FL (CENS NIL FL))	0040600
(GO A)	0040700
PUSHA. PUSHP. (LAPPUSH1 (CAR X))	0040800
(GO A)	0040900
POP. (LAPPOL1 (CAR X))	0041000
(GO A)	0041100
E (SET IT NIL)	0041200
(IF (NULL MODE) (GO EXIT))	0041300
(LAPNIX (QUOTE (END MISSING))) (GO R) EXIT))	0041400
(RCUTINE (LAPPUSH1 NOVALUE)	0041500
((N INTEGER))	0041600
(BLOCK NIL (SET PDC (PLUS PDC N)) (SET PDMAX (MAX PDMAX PDC)))	0041700
(RCUTINE (LAPPOL1 NOVALUE)	0041800
((N INTEGER))	0041900
(BLOCK NIL (SET PDC (DIFFERENCE PDC N))	0042000
(SET PDMIN (MIN PDMIN PDC)))	0042100
(RCUTINE (NUMADDR BOOLEAN))	0042200
((X SYMBOL)) (AND (NCT (ATOM X)) (EQ (CAR X) (QUOTE NUMBER))))	0042300
(FUNCTION (RCUTP SYMBOL))	0042400
((V SYMBOL))	0042500
(BLOCK NIL (SET V (VNAMER V)))	0042600
(IF (SET V (GETFREE (CAR V) (CCR V)))	0042700
(RETURN (EQ (FVKIND V) (QUOTE RCUTINE))))))	0042800
(LAP2 (FUNCTION (LAP2 NOVALUE)	0042900
((MODE SYMBOL) (PDK INTEGER))	0043000
(BLOCK ((CT SYMBOL)	0043100
(OP SYMBOL)	0043200
(OPV CCTAL)	0043300
(RA INTEGER)	0043400
(RM SYMBOL) (X SYMBOL) (U SYMBOL) (V SYMBOL) (L SYMBOL))	0043500
A (IF L (GC K) (NULL LG) (GO E))	0043600
(SET X (SET CT (CAR LG)))	0043700
(SET LG (CCR LG))	0043800
(GO M)	0043900
K (SET CT NIL)	0044000
L (SET X (CAR L))	0044100

(SET L (CDR L))	0044200
M (IF (NOT (ATCM X)) (GO Z) X (PRINCOM CT 26))	0044300
(GO A)	0044400
Z (IF (EQ (CAR X) (QUOTE DITTO)) (GO DITTO))	0044500
(SET IT X)	0044600
B (SET CP (CAR IT))	0044700
(SET X (CDR IT))	0044800
(IF (EQ CP (QUOTE ORG))	0044900
(GO ORG)	0045000
(EQ OP (QUOTE ENTRY))	0045100
(GO ENTRY)	0045200
(EQ OP (QUOTE BEGIN))	0045300
(GO BEGIN)	0045400
(EQ OP (QUOTE RETURN))	0045500
(GO RETURN)	0045600
(EQ OP (QUOTE BLOCK))	0045700
(GO BLOCK)	0045800
(EQ OP (QUOTE DECLARE))	0045900
(GO DECLARE)	0046000
(EQ OP (QUOTE END))	0046100
(GO END)	0046200
(EQ OP (QUOTE ARGS))	0046300
(GO ARGS)	0046400
(EQ CP (QUOTE CALL))	0046500
(GO CALL)	0046600
(EQ OP (QUOTE CALL1))	0046700
(GO CALL1)	0046800
(EQ CP (QUOTE CALL2))	0046900
(GO CALL2)	0047000
(EQ OP (QUOTE FLBIND))	0047100
(GO FLBIND)	0047200
(EQ OP (QUOTE PUSH.))	0047300
(GO PUSH.))	0047400
(EQ OP (QUOTE PUSHP.))	0047500
(GO PUSHP.))	0047600
(EQ OP (QUOTE POP.))	0047700
(GO PCP.) (EQ CP (QUOTE COMMENT)) (GO COMMENT))	0047800
C (SET OPV (IF (NUMBP CP)	0047900
OP (SET U (GETFREE OP (QUOTE CPCODE))))	0048000
(FLVAL U) (BLOCK NIL (LAPNIX (QUOTE OPCODE)) (RETURN QC))))	0048100
(SET HM (SET RM NIL))	0048200
(SET TAG 0)	0048300
(IF (NULL X) (GO D))	0048400
(LAPADER (CAR X) TRUE)	0048500
(SET RA HA)	0048600
(SET RM HM)	0048700
(SET HM NIL)	0048800
(SET X (CDR X))	0048900
(IF (NULL X) (GO D))	0049000
(LAPTAG (CAR X))	0049100
(SET X (CDR X))	0049200
(IF (NULL X) (GO D))	0049300
(LAPADER (CAR X) NIL)	0049400
C (SET OPV (WORDOR CPV (SHIFT TAG 18)))	0049500
(BPINST OPV HA HM RA RM)	0049600
(GO P)	0049700
DITTO (IF (EQ (CADR X) 0) (GO C))	0049800
(SET L (CONS IT (LIST (QUOTE DITTO) (PLUS (CADR X) -1)) L))	0049900
(GO L)	0050000
CRG (SET ORGMODE (CR (NULL X) (NULL (CAR X))))	0050100
(SET ILC (IF ORGMODE FPP (BLOCK NIL (LAPABSDR (CAR X))	0050200
(RETURN HA))))	0050300
(GO Q)	0050400

ENTRY (LAPABSAEDR (CADR X))	C050500
(IF (FINDN (CAR X) ENTRIES) (LAPNIX (QUOTE (ENTRY REDEFINED))))	0050600
(SET ENTRIES (CONS (CONS (CAR X) (C DRIVE OCTAL HA)) ENTRIES))	0050700
(SET CT (APPEND CT (LIST (QUOTE '=) (DRIVE OCTAL HA)))))	0050800
(GO G)	0050900
BEGIN (SET IT (QUOTE (STP 0 8)))	0051000
(IF ROLT (GC B))	0051100
(SET L (CONS (IF (LS PDMAX 25)	0051200
(QUOTE (XEC (ENTRY PDK1))))	0051300
(APPEND (QUOTE (BPX (ENTRY PDK) 8)) (LIST PDMAX))) L))	0051400
(GO B)	0051500
RETURN (SET IT (IF ROUT (QUOTE (BUC (ENTRY ROUT))))	0051600
(QUOTE (BUC (ENTRY RETURN)))))	0051700
(GO B)	0051800
BLOCK (PRINCCM CT 31)	0051900
(BLOCK ((ALIST SYMBOL FLUID ALIST) (FL SYMBOL FLUID NIL))	0052000
(LAP2 (QUOTE DECLARE) PDC))	0052100
(GO A)	0052200
DECLARE (LAPPDF (DIFFERENCE PDC PDK))	0052300
(LAPDECLARE X)	0052400
(IF (EQ MODE (QUOTE DECLARE))	0052500
(SET MODE (QUOTE END)) (LAPNIX (QUOTE (DECLARE MISPLACED))))	0052600
(PRINCCM CT 3)	0052700
(GO A)	0052800
END (IF FL (GO FLRESTS))	0052900
(NOT (EQ MODE (QUOTE END))) (LAPNIX (QUOTE (END MISPLACED))))	0053000
(IF CT (PRINCOM CT 31))	0053100
(LAPPDP (DIFFERENCE PDC PDK))	0053200
(GO EXIT)	0053300
FLRESTS (SET L (APPEND (FLRESTS) (CONS IT L)))	0053400
(GO L)	0053500
ARGS (PRINCOM CT 31)	0053600
(BLOCK ((FL SYMBOL FLUID)) (LAP2 (QUOTE CALL) PCC))	0053700
(GO A)	0053800
CALL (IF (RCUTP (CAR X))	0053900
(BLOCK NIL (SET IT (CCNS (QUOTE CALL1) X)) (GO B)))	0054000
(SET L (CONS (QUOTE (CALL2)) L))	0054100
(GO G)	0054200
CALL1 CALL2 (IF (NOT (EQ MODE (QUOTE CALL))))	0054300
(BLOCK NIL (IF (NULL L) (SET L (QUOTE (NIL)))))	0054400
(LAPNIX (QUOTE (MISPLACED CALL))))	0054500
(BLOCK NIL (SET MODE (QUOTE END)))	0054600
(SET L (CCNS (QUOTE (END)) L))))	0054700
(IF (EQ OP (QUOTE CALL1)) (GO G))	0054800
(LAPCALL2)	0054900
(PRINCCM NIL 0)	0055000
(GO L)	0055100
G (SET IT (SLBST (CAR X) (QUOTE W) (QUOTE (BPX W (8 I) PES.))))	0055200
(GO B)	0055300
FLBIND (SET L (APPEND (IF X (FLBIND X) (QUOTE (NIL)))) L))	0055400
(GO L)	0055500
PUSHA. (LAPPUSH (CAR X) 0Q)	0055600
(GO P)	0055700
PUSHP. (LAPPUSH (CAR X) 1Q)	0055800
(GO P)	0055900
POP. (LAPPDP (CAR X))	0056000
(GO P)	0056100
COMMENT (GC P)	0056200
P (PRINCCM CT 7)	0056300
(GO A)	0056400
G (IF CT (PRINCOM CT 31))	0056500
(GO A)	0056600
E (SET IT NIL)	0056700

(IF (NULL MCDE) (GO EXIT))	0056800
(LAPNIX (QUOTE (END MISSING)))	0056900
(SET L (CONS (QUOTE (END)) L)) (GO K) EXIT))	0057000
(FLBIND (FUNCTION (FLBIND SYMBOL))	0057100
((L SYMBOL))	0057200
(BLOCK (V M U (CP OCTAL 2Q14) (N INTEGER (LENGTH L)))	0057300
(SET FL (CCNS (PLUS ILC 1) FL))	0057400
A (SET V (VNAMER (CAR L)))	0057500
(IF (NULL (SET U (FIND V ALIST))) (GO E))	0057600
(SET M (CONS (IF U (LIST (IF (EQ (CADDR U) (QUOTE LOC))	0057700
OF (PLUS CP 1Q14)) V 0 (MINUS (CADR U))))	0057800
(BLCCK NIL (LAPNIX (LIST V)) (RETURN (QUOTE (0)))))) M))	0057900
B (SET OP CQ)	0058000
(IF (SET L (CDR L)) (GO A))	0058100
(RETURN (CCNS (QUOTE (BSX (ENTRY FLBIND) 3 TOP.))	0058200
(LIST (QUOTE PUSH.) N) M))	0058300
E (LAPNIX V) (SET M (CCNS (QUOTE (0)) M)) (GO B)))	0058400
(FUNCTION (FLRESTS SYMBOL))	0058500
NIL (BLCCK ((U SYMBOL))	0058600
(SET U (MAPCAR FL (FUNCTION ((G02448 . G02449) SYMBOL))	0058700
((J SYMBOL))	0058800
(SUBST J (QUOTE W))	0058900
(QUOTE (BSX (ENTRY FLREST) 7 (CRG. W))))))	0059000
(SET FL NIL) (RETURN U))))	0059100
(LAPADDR (FUNCTION (LAPADDR NOVALUE))	0059200
((X SYMBOL) (P BCCLEAN))	0059300
(BLOCK ((HR INTEGER) (U SYMBOL))	0059400
(SET HA (SET HR 0))	0059500
(SET HM NIL)	0059600
X (IF (NULL X))	0059700
(GO EXIT)	0059800
(LAPADDI X P)	0059900
(GO A)	0060000
(IDP X)	0060100
(GO B)	0060200
(ATOM X)	0060300
(BLOCK NIL (LAPNIX (LIST (QUOTE FIELD) X)) (GO EXIT))	0060400
(IDP (CDR X))	0060500
(GO V2)	0060600
(EQ (CAR X) (QUOTE NUMBER))	0060700
(GO NUMBER)	0060800
(EQ (CAR X) (QUOTE QUOTE))	0060900
(GO QQUOTE)	0061000
(EQ (CAR X) (QUOTE ID))	0061100
(GO ID) (EQ (CAR X) (QUOTE LAP)) (GO LAP))	0061200
SUM (IF (NCT (LAPADDI (CAR X) P))	0061300
(LAPNIX (LIST (QUOTE SUMMAND) (CAR X))))	0061400
(IF (SET X (CDR X)) (GO SUM))	0061500
A (IF (OR CRIGIN (EQ HR 0))	0061600
(SET HM (QUOTE A))	0061700
(EQ HR 1) (SET HM (QUOTE R)) (LAPNIX (QUOTE RELOCATION)))	0061800
(GO EXIT)	0061900
B (IF (EQ X (QUOTE PUSH.))	0062000
(LAPPUSH 1 0Q)	0062100
(EQ X (QUOTE PUSH.))	0062200
(LAPPUSH 1 1Q) (EQ X (QUOTE PCP.)) (LAPPOP 1) (GO V1))	0062300
(IF (NCT P)	0062400
(BLOCK NIL (LAPNIX (LIST (QUOTE DECREMENT) X)) (GO EXIT)))	0062500
(SET HA (MINUS (IF (EQ X (QUOTE POP.)) (PLUS PDC 1) PDC)))	0062600
(SET HM (QUOTE A))	0062700
(SET TAG 8)	0062800
(GO EXIT)	0062900
V1 (IF (NULL (SET U (FIND X ALIST))) (GO V6) P (SET TAG 8))	0063000

V5 (SET HA (MINUS (CADR U)))	0063100
(SET HM (QUOTE A))	0063200
(GO EXIT)	0063300
V6 (IF (NULL (SET U (FIND X APLIST))) (GO V3) P (SET TAG 7))	0063400
(GO V5)	0063500
V2 V3 (SET X (VNAMER X))	0063600
(SET U (CDR X))	0063700
(SET X (CAR X))	0063800
V4 (IF (NULL (SET U (LAPFREE X U)))	0063900
(BLOCK NIL (LAPNIX (QUOTE VARIABLE)) (GO EXIT)))	0064000
(SET HA (S2C. L))	0064100
(SET HM (QUOTE F))	0064200
(GO EXIT)	0064300
NUMBER (SET HA RLC)	0064400
(SET HM (QUOTE R))	0064500
(REMWORD (IF (FIXP (CADR X))	0064600
(I2C. (CADR X)) (R20. (CADR X))) O NIL)	0064700
(GO EXIT)	0064800
QUOTE (SET HA (S2C. (MAKEQUOTE (CADR X))))	0064900
(SET HM (QUOTE F))	0065000
(GO EXIT)	0065100
ID (SET HA (S2C. (LAPID (CADR X))))	0065200
(SET HM (QUOTE S))	0065300
(GO EXIT)	0065400
LAP (SET X (BLOCK ((APLIST SYMBOL FREE ALIST)))	0065500
(RETURN (LAPP (CADR X) (CADDR X) (CADDR X)))) (GO X) EXIT))	0065600
(FUNCTION (LAPABSADDR INTEGER)	0065700
((X SYMBOL))	0065800
(BLOCK NIL (LAPADDR X NIL)	0065900
(IF (OR (EQ HM (QUOTE R)) (EQ HM (QUOTE F)) (EQ HM (QUOTE S)))	0066000
(LAPNIX (QUOTE (ABS ADDRESS)))) (RETURN HA)))	0066100
(FUNCTION (LAPADC1 BOOLEAN)	0066200
((X SYMBOL) (P BOOLEAN))	0066300
(BLOCK ((V INTEGER) (R INTEGER) (S BOOLEAN))	0066400
A (IF (FIXP X)	0066500
(SET V X)	0066600
(EQ X (QUOTE A.))	0066700
(SET V 777621C)	0066800
(EQ X (QUOTE Z.))	0066900
(SET V 7776Q2)	0067000
(EQ X (QUOTE B.))	0067100
(SET V 777622C)	0067200
(EQ X (QUOTE L.))	0067300
(SET V 777745C)	0067400
(EQ X (QUOTE PDS.))	0067500
(SET V (PLUS PDC 1))	0067600
(EQ X (QUOTE TOP.))	0067700
(BLOCK NIL (IF P (SET TAG 8)) (SET V (MINUS PDC)))	0067800
(EQ X (QUOTE C.))	0067900
(BLOCK NIL (SET R 1) (SET V ILC))	0068000
(EQ X (QUOTE CRG.))	0068100
(SET R 1)	0068200
(ATOM X)	0068300
(RETURN NIL)	0068400
(EQ (CAR X) (QUOTE LABEL))	0068500
(BLOCK ((U SYMBOL))	0068600
(SET R 1)	0068700
(SET U (FIND (CADR X) LABELS))	0068800
(IF U (SET V (CDR U)) (LAPNIX X)))	0068900
(EQ (CAR X) (QUOTE ENTRY))	0069000
(BLOCK ((U SYMBOL))	0069100
(SET U (FIND (CADR X) ENTRIES))	0069200
(IF U (SET V (CDR U)) (LAPNIX X)))	0069300

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(EQ (CAR X) (QUOTE MINUS)) (GC M) (RETURN NIL)) 0069400
(IF S (BLOCK NIL (SET V (MINUS V)) (SET R (MINUS R)))) 0069500
(SET HA (PLUS HA V)) 0069600
(SET HR (PLUS HR R)) 0069700
(RETURN TRUE) M (SET S (NOT S)) (SET X (CADR X)) (GO A)) 0069800
)FUNCTION (LAPTAG NOVALUE) 0069900
((X SYMBOL)) C070000
(BLOCK ((U SYMBOL) (V SYMBOL)) C070100
(IF (NULL X) (RETURN NIL) (ATOM X) (GO A)) C070200
(SET U (CDR X)) C070300
(SET X (CAR X)) C070400
A (SET TAG (PLLS TAG (IF (FIXP X)
    X (SET V (GETFREE X (QUOTE MCDCODE)))
    (FLVAL V)
    (SET V (BYTMD (EXPLCODE X)))
    V (BLOCK NIL (LAPNIX (QUOTE TAG)) (RETURN OQ))))) C070500
(IF (NULL U) (GO EXIT)) C070600
(SET X (CAR U)) (SET U (CDR U)) (GO A) EXIT) C070700
)FUNCTION (BYTMD SYMBOL) C070800
((L SYMBOL)) C070900
(BLOCK ((X SYMBOL) C071000
(C SYMBOL) (LF SYMBOL) (RT SYMBOL) (I INTEGER)) C071100
(IF (OR (EQ (SET C (CAR L)) (QUOTE 'L)) (EQ C (QUOTE 'S)))
    (SET L (CDR L)) (RETURN NIL)) C071200
A (IF (NULL L) C071300
    (GO CCMP)
    (SET X (FIND (CAR L) C071400
        (QUOTE ((`0 . 0Q)
            ('1 . 1Q)
            ('2 . 2Q)
            ('3 . 3Q) ('4 . 4Q) ('5 . 5Q) ('6 . 6Q) ('7 . 7Q)))) C071500
        (SET RT (CCNS (CDR X) RT)) C071600
        (NOT (EQ (CAR L) (QUOTE `.))) C071700
        (RETURN NIL) (BLOCK NIL (SET LF RT) (SET RT NIL))) C071800
    (SET L (CDR L)) C071900
    (GO A)
    COMP (IF (NOT RT) C072000
        (RETURN NIL)
        (NOT LF) C072100
        (RETURN (APMOD OQ RT)) (NOT (EQ C (QUOTE 'S))) (GO C2)) C072200
    (SET C LF) C072300
    (SET LF RT) C072400
    (SET RT C) C072500
    C2 (IF (LS (SET I (DIFFERENCE (CAR LF) (CAR RT))) 0) C072600
        (SET I (PLUS 8 I))) C072700
        (IF (GQ (LENGTH LF) (LENGTH RT)) (RETURN (APMOD I LF))) C072800
        (SET LF NIL) C072900
    B (IF (NULL RT) (RETURN (APMOD I LF))) C073000
    (SET LF (CCNS (WORDAND 7Q (PLUS I (CAR RT))) LF)) C073100
    (SET RT (CDR RT)) (GO B)) C073200
)FUNCTION (APMOD SYMBOL) C073300
((P OCTAL) (A SYMBOL)) C073400
(BLOCK ((X CCTAL)) C073500
(SET X (WORDCCR (SHIFT P 18) 377Q2)) C073600
A (IF (NULL A) (RETURN X)) C073700
(SET X (WORDXOR X (SHIFT 2Q4 (MINUS (CAR A))))) C073800
(SET A (CDR A)) (GO A))) C073900
)PCMAP (FUNCTION (LAPPUSH NOVALUE) C074000
((N INTEGER) (B OCTAL)) C074100
(BLOCK NIL (SET PDC (PLUS PDC N)) C074200
(SET PCMAP (NCCNC (NDUP N B) PCMAP))) C074300
)RCUTINE (LAPPCL NOVALUE) C074400
((N INTEGER)) C074500

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(BLOCK NIL (SET PDC (DIFFERENCE PDC N))
 (SET PCMIN (MIN PDMIN PDC)) (SET PCMAP (NOFF N PCMAP)))
(FUNCTION (LAPCALL2 NCVALUE)
NIL (BLOCK ((C INTEGER)
(M SYMBOL) (H OCTAL) (L SYMBOL) (I INTEGER)))
(SET C PDC)
(SET M PCMAP)
A (SET H OC)
(SET I 23)
B (IF (NULL M) (GO C))
(SET H (WORDCR H (SHIFT (CAR M) I)))
(SET M (CDR M))
(IF (EQ I 0) (GO C))
(SET I (PLUS I -1))
(GO B)
C (SET L (CCNS (CONS C H) L))
(SET C (MAX (DIFFERENCE C 24) 0))
(IF (GR C PCMIN) (GO A))
D (IF (LS (CAADR MAPS) C) (GO E))
(SET MAPS (CDR MAPS))
(GO D)
E (SET (CAAR MAPS) (MIN (CAAR MAPS) PDMIN))
(SET PCMIN PDC)
F (SET I (CDAR MAPS))
(SET M (CAR L))
(SET L (CDR L))
(IF (NULL L) (GO R))
(REMWORD (SHIFT (PLUS (CAR M) 1) 24) 0 (QUOTE R))
(SET MAPS (CONS (CONS (CAR M) RLC) MAPS))
(REMWORD (SHIFT (CDR M) 24) I (QUOTE R))
(GO F)
R (SET MAPS (CCNS (CCNS (CAR M) ILC) MAPS))
(BPINSTR (SHIFT (CDR M) 24) I (QUOTE R))))
(BPGEN (FUNCTION (BPINSTR NOVALUE)
((C OCTAL) (R INTEGER) (Y SYMBOL)) (BPINST C 0 NIL R Y)))
(FUNCTION (BPINST NOVALUE)
((C OCTAL) (L INTEGER) (X SYMBOL) (R INTEGER) (Y SYMBOL)))
(BLOCK ((FL SYMBOL FLUID))
(SET C (WORDCR C (SHIFT (BPADDR L X ILC (QUOTE L)) 24)
(BPADDR R Y ILC (QUOTE R)))))
(SET R (BPLCC ILC))
(SET (CORE R) C)
(SET ILC (PLUS ILC 1))
(IF ORGMODE (SET FPP (PLUS FPP 1)))
(IF OUTLAP (BLOCK ((S SYMBOL) (CUTPUT OUTLAP)))
(PRINOCR R 6) (BLANKS 2) (PRINCCR C 16) (OUTPUT S)))
(IF FL (LAPNIX (QUOTE RELOC))))))
(RCUTINE (BPADDR OCTAL)
((C INTEGER) (M SYMBOL) (A INTEGER) (H SYMBOL)))
(BLOCK ((U INTEGER))
(IF (NULL M) (RETURN 0) (EQ M (QUOTE A)) (GO R) ORIGIN (GO A))
(SET U (PLS (BPLOC FSIZ) (MINUS (IQUOTIENT A 24)) -1))
(SET (CORE U)
(WORDCR (CCRE U)
(SHIFT (IF (EQ H (QUOTE L)) 4Q15 2Q15)
(TIMES -2 (REMAINDER A 24)))))))
A (IF (EQ M (QUOTE F))
(SET C (PLUS C -1))
(AND (EQ M (QUOTE R))
(OR ORIGIN (AND (NOT (LS C 0)) (LS C FSIZ))))))
(SET C (BPLCC C)) (NOT (EQ M (QUOTE S))) (SET FL TRUE))
R (RETURN (BIT 0 18 C)))
(RCUTINE (BPLCC INTEGER))

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((C INTEGER)) 0082000
(IF ORIGIN C FDESC (PLUS (BIT 0 18 (CORE (PLUS (S20. FDESC) -1))) 0082100
-1 C) 0)) 0082200
(FLNCTION (REMWORD NOVALUE) 0082300
((C OCTAL) (R INTEGER) (Y SYMBOL)) 0082400
(BLOCK ((ILC INTEGER FLUID RLC)) 0082500
(BPINSTR C R Y) (PRINCOM NIL 0) (SET RLC (PLUS RLC 1)))) 0082600
(LAPLIB (FUNCTION (NDUP SYMBOL)) 0082700
((N INTEGER) (X SYMBOL)) 0082800
(BLOCK ((U SYMBOL)) 0082900
A (IF (EQ N 0) (RETURN U)) 0083000
(SET U (CONS X U)) (SET N (PLUS N -1)) (GO A))) 0083100
(FLNCTION (LAPNIX NOVALUE) 0083200
((M SYMBOL)) 0083300
(BLOCK NIL (SET ERRS TRUE) 0083400
(MESSAGE (CCNS (QUOTE UNDEFINED) 0083500
(APPEND (IF (ATOM M) (LIST M) M) 0083600
(APPEND (QUOTE (IN ITEM)) (LIST IT)))))) 0083700
(MESSAGE (LIST (QUOTE LOCATION) 0083800
(I20. (BPLCC ILC)) (QUOTE FUNCTION) (CONS FNAME FSEC)))))) 0083900
(LAPID (ROUTINE (LAPID SYMBOL) 0084000
((X SYMBOL)) 0084100
(BLOCK NIL (IF (NOT (CHARP X)) 0084200
(SET (BIT 24 18 (CCRE (PLUS (S20. X) 1))) 0084300
(I20. (PLUS 1 (BIT 24 18 (CORE (PLUS (S20. X) 1))))))) 0084400
(RETURN X))) 0084500
(RCUTINE (LAPFREE SYMBOL) 0084600
((N SYMBOL) (SN SYMBOL)) 0084700
(BLOCK ((U SYMBOL (GETFREE N SN))) 0084800
(IF (NULL L) (RETURN NIL)) 0084900
(SET (BIT C 18 (CORE (S20. U))) 0085000
(I20. (PLUS 1 (BIT J 18 (CORE (S20. U))))))) (RETURN U))) 0085100
(FLNCTION ((LAPGC . SYS) SYMBOL) 0085200
NIL (BLCK ((X SYMBOL (MAPCAR LAPSTL FTRANS))) 0085300
(SET LAPSTL NIL) (RETURN X))) 0085400
(FLNCTION (PRINCCM NOVALUE) 0085500
((M SYMBOL) (I INTEGER)) 0085600
(BLOCK NIL (IF CUTLAP (BLOCK ((S SYMBOL (OUTPUT CUTLAP))) 0085700
(BLANKS I) (IF M (PRINT M) (ENDOUT)) (OUTPUT S)))))) 0085800
(FLNCTION (BLANKS NOVALUE) 0085900
((I INTEGER)) 0086000
(BLOCK NIL (FCR I (STEP I -1 EQ 0) (PRINCH (QUOTE ' ))))) 0086100
(FLNCTION (PRINOCT NOVALUE) 0086200
((C OCTAL) (I INTEGER)) 0086300
(BLOCK NIL (FCR I (STEP I -1 EQ 0) 0086400
(PRINTOKEN (O2I. (BIT 0 3 (SHIFT C (TIMES -3 (PLUS I -1)))))))) 0086500
(INDEXER DEFINE (((INDEXER (LAMBDA (N L) 0086600
(TEDFILER (CCNS N (MAPCON L (FUNCTION (LAMBDA (J) 0086700
(MAPCON (TEDSEEKER (CAR J)) 0086800
(FUNCTION (LAMBDA (J) 0086900
(CCND ((CR (ATOM (CAR J)) 0087000
(NOT (MEMBER (CAAR J) 0087100
(QUOTE (SECTION RCUTINE FUNCTION)))))) NIL) 0087200
(T (LIST (CCNS (CAAR J) 0087300
(CONS (CADAR J) 0087400
(CCND ((NULL (CDDCAR J)) NIL) 0087500
(T (LIST (CADDR J))))))))))))))))))) 0087600

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***END OF FILE DETECTED

C

C



C

(PCSTCOMP (SECTION LAP SYMBOL)
(DECLARE (ENTRIES SYMBOL OWN ENTRIES))
(SECTION SYS OCTAL)
(DECLARE (FPC CWN FPO))
(FPP OWN FPP) 0000100
C (CHO CWN CHC) 0000200
(TRO CWN TRC) 0000300
(TRP CWN TRP) 0000400
(TRM CWN TRM) 0000500
(BPO CWN BPC) 0000600
(BPP OWN BPP) 0000700
(ARO CWN ARC) 0000800
(ARP OWN ARP) 0000900
(LSP CWN LSP) 0001000
(LSO CWN LSC) 0001100
(CBLIST (ARRAY SYMBOL) 0001200
CWN (CCNS (QUOTE *SYMBOL) 0001300
(MAPCAR OBLIST (FUNCTION (LAMBDA (J) 0001400
(CCND ((NULL (CDR J)) NIL) 0001500
((MEMBER (CAAR J) (QUOTE (TRUE FALSE))) 0001600
(LIST (QUOTE *IDENTIFIER) (CAAR J))) (T (CAAR J))))))) 0001700
(CBLSIZ INTEGER OWN CBLSIZ) (TRL CWN))) 0001800
0001900
0002000
0002100
0002200

****END OF FILE DETECTED

(SECTION (SECTION (COMPILE-SUPERV-SYS-LISP) SYMBOL))	0000100
(HELP (DECLARE (S-LIST SYMBOL FLUID))	0000200
(S-NAME SYMBOL FLUID)	0000300
(S-TYPE SYMBOL FLUID)	0000400
((DEBUG . LISP) BOOLEAN FLUID)	0000500
(F-KIND SYMBOL FLUID)	0000600
(F-ORG SYMBOL FLUID)	0000700
(S-CLASS SYMBOL FLUID)	0000800
(P-CLASS SYMBOL FLUID)	0000900
(T-GO SYMBOL FLUID)	0001000
(F-GO SYMBOL FLUID)	0001100
(X-GO SYMBOL FLUID)	0001200
(T-ERGO SYMBOL FLUID)	0001300
(A-LIST SYMBOL FLUID)	0001400
(A-PLIST SYMBOL FLUID)	0001500
(I-RLIST SYMBOL FLUID)	0001600
(G-O-LIST SYMBOL FLUID)	0001700
(LABELS SYMBOL FLUID)	0001800
(EXP SYMBOL FLUID)	0001900
(TERMINUS SYMBOL FLUID)	0002000
(LISTING SYMBOL FLUID)	0002100
(REMOTES SYMBOL FLUID)	0002200
(REFLIST SYMBOL FLUID)	0002300
(F-NAME SYMBOL FLUID)	0002400
(F-TYPE SYMBOL FLUID)	0002500
(V-CLASS SYMBOL FLUID)	0002600
(V-TYPE SYMBOL FLUID)	0002700
(V-REG SYMBOL FLUID)	0002800
(V-ADDR SYMBOL FLUID)	0002900
(V-IND SYMBOL FLUID)	0003000
(V-INV SYMBOL FLUID)	0003100
(V-BYTE SYMBOL FLUID)	0003200
(V-BLOT SYMBOL FLUID)	0003300
(X-TYPE SYMBOL FLUID)	0003400
(X-REG SYMBOL FLUID)	0003500
(X-LOC SYMBOL FLUID)	0003600
(X-BYTE SYMBOL FLUID)	0003700
(C-V SYMBOL FLUID)	0003800
(C-T SYMBOL FLUID)	0003900
(C-M SYMBOL FLUID)	0004000
(C-F SYMBOL FLUID)	0004100
(C-L SYMBOL FLUID)	0004200
(C-I SYMBOL FLUID)	0004300
(F-T-LIST SYMBOL FLUID)	0004400
(CRG-P SYMBOL FLUID) (INSTRUCTION SYMBOL FLUID))	0004500
(FUNCTION (COMMER2 SYMBOL))	0004600
((X SYMBOL) (Y SYMBOL)) (COMERR (CONS X Y)))	0004700
(FUNCTION COMERR (J))	0004800
(BLOCK NIL (SET ERRFLG TRUE))	0004900
(SET V-ADDR (GENID))	0005000
(SET V-CLASS (QUOTE LOC))	0005100
(SET V-TYPE (QUOTE SYMBOL))	0005200
(RETURN (SLPCTY (APPEND (QUOTE (ERROR.. IN FUNC))	0005300
(List F-NAME J))))))	0005400
(FUNCTION ((CE-BREAKING . COMPILE) BOOLEAN))	0005500
NIL (AND (NOT (F-KIND . COMPILE)) (DEBUG . LISP)))	0005600
(FUNCTION (ATTACH SYMBOL))	0005700
((L SYMBOL)) (SET LISTING (CONS L LISTING)))	0005800
(FUNCTION (ATTACH-GO SYMBOL))	0005900
((L SYMBOL))	0006000
(BLOCK NIL (IF (LAST-BRANCH) (RETURN NIL)))	0006100
(ATTACH (LIST (QUOTE BUC) (LABELER L))))	0006200
(IF (NOT (MEMBER L LABELS)))	0006300

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(SET GOLIST (CCONS (CONS (QUOTE GO) LISTING) GOLIST))))) 0006400
(FUNCTION (ATTACHLAB SYMBOL) 0006500
((L SYMBOL)) (BLOCK NIL (ATTACH L) (SET LABELS (CONS L LABELS)))) 0006600
(FLNCTION (REMOTCE SYMBOL) 0006700
((L SYMBOL)) (SET REMOTES (CONS L REMOTES))) 0006800
(FLNCTION (BLCTTC SYMBOL) 0006900
NIL (SET VBLCT (QUOTE (AC L B X1 X2 X3 X4)))) 0007000
(FLNCTION (BLCTCH SYMBOL) 0007100
((X SYMBOL))
(IF (MEMBER X VBLCT) NIL (SET VBLCT (CONS X VBLCT)))) 0007200
(FLNCTION (UNION SYMBOL) 0007300
((A SYMBOL) (B SYMBOL))
(BLOCK NIL L (IF (NULL B)
  (RETURN A) (NCT (MEMBER (CAR B) A)) (SET A (CONS (CAR B) A)))
  (SET B (CDR B)) (GO L)))) 0007400
(FLNCTION (FVTYPE SYMBOL) 0007500
((X SYMBOL))
(IF (NUMBP X)
  (IF (FIXP X)
    (IF (EQUALN X (WORDOR X 0Q)) (QUOTE OCTAL) (QUOTE INTEGER))
    (QUOTE REAL))
  (MEMBER X (QUOTE (TRUE FALSE NIL)))
  (QUOTE BOOLEAN) (QUOTE SYMBOL)))) 0007600
(FLNCTION (LABELER SYMBOL) ((X SYMBOL)) (LIST (QUOTE LABEL) X)) 0007700
(FLNCTION (GETN SYMBOL) 0007800
((L SYMBOL) (P SYMBOL))
(BLOCK NIL A (IF (NULL L)
  (RETURN L) (EQUALN (CAR L) P) (RETURN (CADR L))))
  (SET L (CDR L)) (GO A))) 0007900
(FLNCTION (ITYPE SYMBOL) 0008000
((J SYMBOL))
(IF (EQN J (QUOTE NUMBER))
  C.0 (EQN J (QUOTE OCTAL))
  CQ (EQN J (QUOTE INTEGER))
  C (EQN J (QUOTE REAL))
  C.0 (EQN J (QUOTE FUNCTIONAL)) (QUOTE (FMTRAP . SYS)) NIL))) 0008100
(TCPI (FUNCTION (GENID2 SYMBOL) NIL (GENID)) 0008200
(DECLARE (INST1 SYMBOL FLUID)
  (INST2 SYMBOL FLUID) (INST3 SYMBOL FLUID))
(FLNCTION (NEXLST SYMBOL)
  NIL (BLCK ((X SYMBOL))
    (RETURN (IF (CDDDR LISTING)
      (IF (SET X (CAR LISTING))
        (BLCK NIL (SET LISTING (CDR LISTING)) (RETURN X))
        (BLCK NIL (SET LISTING (CDR LISTING))
          (RETURN (NEXLST)))) NIL)))) 0008300
(FLNCTION (REVLST SYMBOL) 0008400
  NIL (BLCK ((INST1 SYMBOL)
    (INST2 SYMBOL) (INST3 SYMBOL) (LST SYMBOL))
    (SET INST1 (CAR LISTING))
    (SET INST2 (CADR LISTING))
    (SET INST3 (CACDR LISTING))
    (SET LISTING (CDDDR LISTING)))
    A (OR (REVACR) (REVBUC) (REVADA) (REVSTZ) (REVWRD) (REVZER))
    (IF INST1 (SET LST (CONS INST1 LST)))
    (SET INST1 INST2)
    (SET INST2 INST3)
    (IF (SET INST3 (NEXLST)) (GO A))
    (RETURN (NCCNC (NCONC (REVERSE LISTING)
      (LIST INST2 INST1)) LST)))) 0008500
(FLNCTION (REVTST BOOLEAN) 0008600
((A SYMBOL) (B SYMBOL))
(AND (SIM (QUOTE (STF . S.)) A) 0008700

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(SIM (QUOTE (LCA . S.)) B) (EQ (CDR A) (CDR B)))	0012700
(FUNCTION (ACRTST BOOLEAN)	0012800
((L SYMBOL))	0012900
(CR (SIM (QUOTE (CR. ((NUMBER 1) S) (1 (L567.7 R S)))) L)	0013000
(BLOCK NIL (SET VINV (NOT VINV)))	0013100
(SIM (QUOTE (OR. ((NUMBER -1) S) (-1 (L567.7 R S)))) L)))	0013200
(FUNCTION (REVZER BOOLEAN)	0013300
NIL (IF (SIM (QUOTE (XOR (NUMBER (OR. 0Q 7777777777777777Q))))	0013400
INST1)	0013500
(BLOCK NIL (IF (EQUALN (CADADR INST1) 0Q)	0013600
(GO X)	0013700
(IF (SIM (QUOTE ((CR. LDA LDC) . S.)) INST2)	0013800
(BLCK NIL (SET INST2 (CONS (CDR (FINDN (CAR INST2)	0013900
(QUOTE ((LDA . LDC) (LDC . LDA)))) (CDR INST2)))	0014000
X (SET INST1 NIL)) (SET INST1 (QUOTE (LDC A.))))	0014100
(RETURN TRUE)) FALSE))	0014200
(FUNCTION (REVSTZ BOOLEAN)	0014300
NIL (IF (NOT (SIM (QUOTE (BUC (LABEL ID.))) INST1))	0014400
NIL (EQ (QUOTE (STZ A.)) INST2)	0014500
(REVENT (QUOTE (ENTRY STZENT)))	0014600
(SIM (QUOTE (LCA 1 ((OR. L4567.7 L567.7) R)))) INST2)	0014700
(REVENT (QUOTE (ENTRY CNENT))) NIL))	0014800
(FUNCTION (REVENT BOOLEAN)	0014900
((X SYMBOL))	0015000
(BLOCK NIL (SET INST2 (LIST (QUOTE BSX) X 4 (CADR INST1)))	0015100
(SET INST1 NIL) (RETURN TRUE)))	0015200
(FUNCTION (REVAOR BOOLEAN)	0015300
NIL (BLCK ((VINV SYMBOL))	0015400
(IF (AND (NOT (ATOM INST2))	0015500
(CDR INST2)	0015600
(REVTST INST1 INST3)	0015700
(AORTST (CDR INST2))	0015800
(OR (EQN (CAR INST2) (QUOTE ADD))	0015900
(AND (EQN (CAR INST2) (QUOTE SUB))	0016000
(BLOCK NIL (SET VINV (NOT VINV)) (RETURN TRUE))))	0016100
(BLOCK NIL (SET INST1 (SET INST2 NIL))	0016200
(SET INST3 (CONS (IF VINV (QUOTE SOR) (QUOTE AOR))	0016300
(CDR INST3))) (RETURN TRUE))))	0016400
(FUNCTION (REVBUC BOOLEAN)	0016500
NIL (AND (SIM (QUOTE (BUC (LABEL ID.))) INST2)	0016600
(EQN (CADADR INST2) INST1)	0016700
(BLOCK NIL (SET INST2 INST1) (SET INST1 NIL) (RETURN TRUE))))	0016800
(FUNCTION (REVLDA BOOLEAN)	0016900
NIL (AND (OR (REVTST INST1 INST2) (REVTST INST2 INST1))	0017000
(BLOCK NIL (SET INST1 NIL) (RETURN TRUE))))	0017100
(FUNCTION (REVWRD BOOLEAN)	0017200
NIL (BLCK NIL (IF (AND (SIM (QUOTE ((OR. ANA ORA XOR) N. L.))	0017300
INST1) (MEMBER (QUOTE R) (CADDR INST1)))	0017400
(SET INST1 (LIST (CAR INST1)	0017500
(LIST (QUOTE NUMBER) (CADR INST1)))) (RETURN NIL))))	0017600
(DECL (FUNCTION (FUNCTIC SYMBOL)	0017700
((EXP SYMBOL))	0017800
(BLOCK ((FN SYMBOL (FNAME)))	0017900
(RETURN (BLOCK ((FKIND SYMBOL (EQ (QUOTE ROUTINE) (CAR EXP)))	0018000
(FNAME SYMBCL (CAR FN))	0018100
(FTYPE SYMBCL (CADR FN)) (EXPR SYMBOL (CADDR EXP)))	0018200
(RETURN (BLOCK ((XTYPE SYMBOL (IF (NQ (QUOTE NOVALUE) FTYPE)	0018300
FTYPE (BLOCK NIL (SET FTYPE STYPE))))	0018400
(RETURN (BLOCK ((LISTING SYMBOL)	0018500
(ALIST SYMBOL)	0018600
(FORG SYMBOL)	0018700
(CRGP SYMBOL)	0018800
(FTLIST SYMBCL)	0018900

(REMOTES SYMBOL) (REFLIST SYMBOL) (VBLT SYMBOL))	0019000
(FNDEC EXP)	0019100
(ATTACH (CAR EXP))	0019200
(ATTACH FN)	0019300
(FNBIND)	0019400
(COMLCK 4)	0019500
(COMVAL (IF (NULL XTYPE) (LIST (QUOTE BLOCK) NIL EXPR) EXPR))	0019600
XTYPE (QUOTE VALUE) (QUOTE AC))	0019700
(IF FCRG (BLOCK NIL (SET (CDR ORGP) (CCNS (CAR ORGP) (CDR ORGP))) (SET (CAR ORGP) FCRG)))	0019900
(ATTACH (QUOTE (END)))	0020000
(ATTACH (QUOTE (RETURN)))	0020100
(LSTLST REMOTES)	0020200
(RETURN (LIST (QUOTE LAP) (REVLST) REFLIST SNAME))))))))	0020300
(FUNCTION (FNDEC SYMBOL))	0020400
((EXP SYMBOL))	0020500
(BLOCK ((FNA SYMBOL (FNAME)))	0020600
(RETURN (BLOCK ((FNAME SYMBOL (CAR FNA))) (RETURN (BLOCK ((LISTING SYMBOL) (ALIST SYMBOL) (REFLIST SYMBOL) (FTLIST SYMBOL) (CRGP SYMBOL) (VBLT SYMBOL))	0020700
(FNBIND))	0020800
(MAKEFREE (CAR FNAME))	0020900
(CDR FNAME))	0021000
(CAR EXP))	0021100
(CONS (QUOTE FUNCTIONAL) (CADR FNA) (REVERSE FTLIST)) (QUOTE VALUE)) (RETURN FNAME))))))	0021200
(FUNCTION (MAKEFREE . COMPIL))	0021300
((A B C D E) ((KEEPER . SUPV) ((MAKEFREE . SYS) A B C D E)))	0021400
(FUNCTION DECL1 (J))	0021500
(BLOCK ((DV FLUID) (DT FLUID) (DF FLUID) (DL FLUID) (DM FLUID) K))	0021600
(IF (NULL (SET K (ORDER J))))	0021700
(RETURN NIL))	0021800
(EQ DF (QUOTE LEXICAL))	0021900
(GO ERR))	0022000
(MEMBER K (QUOTE (NORMAL OWN)))	0022100
(BLOCK NIL (MAKEFREE (GETVAR DV) (GETSEC DV) (IF DF DF (QUOTE FREE)) (GETTYPE DT) (GETLOC DL))	0022200
(IF (AND (EQ PASS 2) DI) (EVAL (LIST (QUOTE SET) DV (CAR DI)))) (RETURN DV))	0022300
(EQ K (QUOTE MEANS))	0022400
(BLOCK ((X (BLOCK ((DV FLUID DI) (REFLIST FLUID)) (IF (GETGLB DV) (RETURN DV))))	0022500
(RETURN (IF (NOT X))	0022600
(CCMER2 J (QUOTE (NO PRIOR DECLARATION))))	0022700
(BLOCK NIL (IF (EQ DM (SET DV (CONS (GETVAR DV) (GETSEC DV)))) (SET X DM))	0022800
(MAKEFREE (CAR DV) (CDR DV) (QUOTE MEANS) (CAR X) (CDR X)) (RETURN DV))))))	0022900
(LABEL ERR (CCMER2 J (QUOTE (ILLEGAL TOP DECLARATION)))))))	0023000
(FUNCTION FVLIS1 (X))	0023100
(BLOCK ((J (FVLIST X))))	0023200
(RETURN (IF (MEMBER (CAR J) (QUOTE (MACRO INSTRUCTIONS)) (LIST (CAR J) (CADR J) X) J))))	0023300
(FUNCTION (GETSEC SYMBOL))	0023400
((V SYMBOL))	0023500
(IF (ATCM V) SNAME (SIM (QUOTE (ID. . ID.)) V) (CDR V) SNAME))	0023600
(FUNCTION (GETVAR SYMBOL) ((V SYMCL)) (IF (ATOM V) V (CAR V)))	0023700
(FUNCTION (DEFAULT SYMBOL) ((X SYMBOL)) (SECSET SLIST X))	0023800
(FUNCTION (SECSET SYMBOL))	0023900
((IN SYMBOL) (TYP SYMBOL))	0024000
	0024100
	0024200
	0024300
	0024400
	0024500
	0024600
	0024700
	0024800
	0024900
	0025000
	0025100
	0025200

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(BLOCK NIL (IF (NOT (FTYPP TYP))
  (COMER2 TYP (QUOTE (INVALID DEFAULT TYPE))))))
  0025300
  (RETURN (CCNS (SET SNAME (CAR (SET SLIST (IF (MEMBER (QUOTE LISP)
    (IF (ATOM N) (SET N (LIST N)) N))
      N (APPEND N (QUOTE (LISP))))))) (SET STYPE TYP))))))
  0025400
  0025500
  0025600
  0025700
  0025800
  (FUNCTION (ANYVARS SYMBOL)
    ((D SYMBOL))
    (NOT (SIM (QUOTE ((C. O 1000 (ID. SWITCH . S.)))) D)))
  0025900
  0026000
  (FUNCTION (GETLEX SYMBOL)
    ((V SYMBOL))
  0026100
  0026200
  (BLOCK ((A SYMBOL))
    (IF (NULL (SET A (FIND V ALIST))) (GO L)))
  0026300
  0026400
  (SET DV V)
  0026500
  (RETURN (CCNS (QUOTE LEXICAL) (CDR A)))
  0026600
  L (IF (NULL (SET A (FIND V APLIST))) (RETURN NIL))
  0026700
  (SET DV V)
  0026800
  (RETURN (CCNS (QUOTE LEXICAL)
    (IF (MEMBER A IRLIST)
      (LIST (CADR A) (QUOTE LOC))
      (BLOCK NIL (SET IRLIST (CONS A IRLIST))
        (RETURN (CDR A)))))))
  0026900
  0027000
  0027100
  0027200
  0027300
  (FUNCTION (GETGLB SYMBOL)
    ((V SYMBOL))
  0027400
  0027500
  (IF (NOT (ATOM V))
    (GETDEC (CAR V) (CDR V)))
  0027600
  (BLOCK ((SLIST SYMBOL SLIST))
    (RETURN (BLOCK ((A SYMBOL))
      L (IF (NULL SLIST)
        (IF (AND (EQ (O2S. (BIT 24 18 (CORE (S20. V)))) V)
          (EQ (O2S. (BIT 0 18 (CORE (PLUS 1 (BIT 24 18 (CORE (S20. V)
            )))))) V))
        (BLOCK (ERRFLG)
          (COMERR (APPEND (QUOTE (WILL USE DECLARATION FOR))
            (LIST (CONS V (SET A (C2S. (BIT 24 18 (CORE (BIT 24 18
              (CORE (S20. V))))))))))) (RETURN (GETDEC V A)))
          (RETURN NIL)) (SET A (GETDEC V (CAR SLIST))) (RETURN A))
        (SET SLIST (CDR SLIST)) (GO L)))))))
  0027700
  0027800
  0027900
  0028000
  (IF (AND (EQ (O2S. (BIT 24 18 (CORE (S20. V)))) V)
    (EQ (O2S. (BIT 0 18 (CORE (PLUS 1 (BIT 24 18 (CORE (S20. V)
      )))))) V))
  0028100
  0028200
  0028300
  0028400
  0028500
  (FUNCTION (GETFRV SYMBOL)
    ((V SYMBOL))
  0028600
  0028700
  (RETURN NIL)) (SET A (GETDEC V (CAR SLIST))) (RETURN A))
  0028800
  (SET SLIST (CDR SLIST)) (GO L)))))))
  0028900
  0029000
  (FUNCTION (GETFRV SYMBOL)
    ((V SYMBOL))
  0029100
  0029200
  (BLOCK ((A SYMBOL) (IF (ATOM V) (GETLEX V) NIL)))
  0029300
  (RETURN (IF A A (GETGLB V))))))
  0029400
  (FUNCTION (GETDEC SYMBOL)
    ((V SYMBOL) (S SYMBOL))
  0029500
  0029600
  (BLOCK ((A SYMBOL))
    (IF (SET A (GETDC V S)) (ADREF A)) (RETURN A)))
  0029700
  (FUNCTION (GETDC SYMBOL)
    ((V SYMBOL) (S SYMBOL))
  0029800
  0029900
  (BLOCK ((A SYMBOL))
    (RETURN (IF (NULL (SET A (FVLIS1 (GETFREE V S)))))))
  0030000
  (IF (AND (EQN S (QUOTE LISP))
    (SIM (QUOTE ((C. 1 10000 (CR. A D)) R)))
    (SET A (EXPLODE V)))) (LIST (QUOTE MACRO) NIL A) NIL)
  0030100
  0030200
  (EQN (CAR A) (QUOTE MEANS))
  0030300
  (BLOCK NIL (IF (NOT DM) (SET DM (CONS V S))))
  0030400
  (RETURN (GETDC (CADR A) (CADDR A))))
  0030500
  (BLOCK NIL (SET DV (CONS V S)) (RETURN A))))))
  0030600
  0030700
  0030800
  0030900
  (FUNCTION (ADREF SYMBOL)
    ((A SYMBOL))
  0031000
  (BLOCK NIL (IF (AND (NOT (MEMBER (CAR A)
    (QUOTE (INSTRUCTIONS MACRO)))) (NOT (FIND DV REFLIST)))
    (SET REFLIST (CONS (CONS DV A) REFLIST))))))
  0031100
  0031200
  0031300
  (FUNCTION (FNBIND SYMBOL)
    NIL (BLOCK ((VACDR SYMBOL) (VCLASS SYMBOL) (VTYPE SYMBOL)))
  0031400
  0031500

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(RETURN (BIND (CADR EXP))	0031600
(FUNARG NOVALUE ((X SYMBOL))	0031700
(BLCK NIL (SET ORGP (ATTACH X)))	0031800
(IF X (ATTACH (QUOTE (STF TCP.))))	0031900
(ATTACH (QUOTE (BEGIN))))	0032000
(FUNARG SYMBCL ((X SYMBOL))	0032100
(BLCK NIL (IF (NOT (EQN X (QUOTE NORMAL))))	0032200
(GO ER2) CI (GO ER1))	0032300
(SET FTLIST (CONS (IF (EQN CL (QUOTE LOC))	0032400
(LIST (FTYPER DT) DL) (FTYPER DT)) FTLIST))	0032500
(RETURN X)	0032600
ER1 (SET X (QUOTE PRESET))	0032700
ER2 (COMER2 X (QUOTE (ILLEGAL IN FUNC DEC))))))	0032800
(FUNCTION (BKBIND SYMBCL))	0032900
NIL (BLCK ((ANY BOOLEAN (ANYVARS (CADR EXP)))))	0033000
(IF ANY (ATTACH (QUOTE (BLOCK))))	0033100
(BLOCK ((P (BIND (CADR EXP))	0033200
(FUNARG NOVALUE ((X SYMBOL))	0033300
(ATTACH (CONS (QUOTE DECLARE) X)))	0033400
(FUNARG SYMBCL ((X SYMBOL))	0033500
(BLCK ((Y SYMBCL) (Z SYMBCL))	0033600
(IF (AND (EQN CL (QUOTE LCC)) (NULL DI))	0033700
(SET X (QUOTE (LOC WITHOUT PRESET)))	0033800
(EQN X (QUOTE NORMAL))	0033900
(GO NORMAL)	0034000
(EQN X (QUOTE SWITCH))	0034100
(GO SWITCH) (EQN X (QUOTE ASSIGNED)) (GO ASSIGNED))	0034200
(COMER2 X (QUOTE (ILLEGAL IN BLOCK DEC)))	0034300
(RETURN NIL)	0034400
SWITCH (COMSWITCH DI DV)	0034500
(RETURN NIL)	0034600
NORMAL (SET Y (FTYPER DT))	0034700
ASSIGNED (SET Z (COMPUSH (IF DI (CAR DI) (ITYPE Y))	0034800
Y (GETLOC DL)))	0034900
(IF (NULL Y))	0035000
(SET DT (IF (EQN Z (QUOTE FUNCTIONAL))	0035100
(QUOTE SYMBCL) Z))) (RETURN X))))	0035200
(RETURN (IF ANY P TRUE))))	0035300
(FUNCTION (BIND SYMBCL))	0035400
((L SYMBOL)	0035500
(F1 (FUNCTIONAL NOVALUE SYMBOL))	0035600
(F2 (FUNCTIONAL SYMBOL SYMBOL)))	0035700
(BLOCK ((A SYMBCL))	0035800
(H SYMBCL)	0035900
(FL SYMBOL)	0036000
(TEMP SYMBCL)	0036100
(X SYMBCL)	0036200
(Y SYMBCL)	0036300
(DV SYMBOL) (ET SYMBOL) (DF SYMBOL) (DL SYMBOL) (DI SYMBOL))	0036400
A (IF (NULL L))	0036500
(GO D)	0036600
(NULL (SET X (ORDER (CAR L)))))	0036700
(GO C)	0036800
(EQN X (QUOTE NORMAL)) (GO NEXT) (NULL (F2 X)) (GO C))	0036900
NEXT (IF (EQN DF (QUOTE LEXICAL))	0037000
(GO LEXICAL)	0037100
(AND (SET TEMP (GETDC (GETVAR (SET Y DV)) (GETSEC DV)))	0037200
(EQN (CAR TEMP) (QUOTE FLUID)))	0037300
(GO VERIFY2)	0037400
(NULL DF)	0037500
(GO LEXCAL)	0037600
(BLOCK NIL (SET DF (QUOTE FREE)) (RETURN TEMP)) (GO VERIFY1))	0037700
(GENDTDL)	0037800

(DECL1 (LIST DV DT DF DL))	0037900
(GO NEXT)	0038000
VERIFY1 (IF (NCT (OR (EQN (CAR TEMP) (QUOTE FREE)) (EQN (CAR TEMP) (QUOTE FLUID))))	0038100
(COMER2 DV (QUOTE (BAD REDEF))))	0038200
VERIFY2 (SET DF (CAR TEMP))	0038300
(IF (NULL CT)	0038400
(SET CT (CADR TEMP))	0038500
(NOT (EQ CT (CADR TEMP))) (COMER2 DV (QUOTE (TYPE MISMATCH))))	0038600
(IF (NULL DL)	0038700
(SET DL (CADDR TEMP))	0038800
(NOT (EQN DL (CADDR TEMP))))	0038900
(COMER2 DV (QUOTE (TRANS MODE MISMATCH))))	0039000
(ADREF TEMP)	0039100
CNWARD (IF (AND (EQN X (QUOTE NORMAL)) (NULL (F2 X))) (GC C))	0039200
(SET H (CONS (LIST DV DT DF DL) H))	0039300
(IF (NCT (ATCM DV))	0039400
(SET FL (CONS DV FL)) (SET A (CCNS (LIST DV DT DL) A)))	0039500
C (SET L (CDR L))	0039600
(GO A)	0039700
LEXCAL (SET DV Y)	0039800
(SET DF (QUOTE LEXICAL))	0039900
LEXICAL (GENCTL)	0040000
(GO ONWARD)	0040100
C (F1 (REVERSE H))	0040200
(SET ALIST (NCCNC A ALIST))	0040300
(RETURN (IF FL (BLOCK NIL (ATTACH (CONS (QUOTE FLBIND) (SET FL (REVERSE FL)))) (BLCTTO) (RETURN FL)) NIL)))	0040400
(FUNCTION (GENCTL SYMBOL))	0040500
NIL (BLCK NIL (SET CT (GETTYPE CT)) (SET DL (GETLOC DL))))	0040600
(FUNCTION (GETTYPE SYMBOL) ((X SYMBOL)) (IF X X STYPE))	0040700
(FUNCTION (GETLOC SYMBOL) ((X SYMBOL)) (IF X X (QUOTE VALUE)))	0040800
(FUNCTION (ORDER SYMBOL))	0040900
((L SYMBOL))	0041000
(BLOCK ((M SYMBOL (QUOTE NORMAL)))	0041100
(RETURN (BLOCK NIL (SET DT (SET DF (SET DL (SET DI NIL))))))	0041200
(IF (SIM (QUOTE V.) L)	0041300
(SET L (LIST L))	0041400
(NOT (LISTP L))	0041500
(RETURN (BLCK NIL (COMER2 L (QUOTE (IMPROPER DECLARATION))))))	0041600
(IF (NCT (SIM (QUOTE V.) (SET DV (CAR L))))	0041700
(RETURN (BLCK NIL (COMER2 DV (QUOTE (IMPROPER VARIABLE))))))	0041800
(NULL (SET L (CDR L))))	0041900
(RETURN (BLCK NIL (TESLEX) (RETURN M))))	0042000
(TYPEP (CAR L))	0042100
(SET DT (STANTP (CAR L))))	0042200
(EQN (CAR L) (QUOTE MEANS))	0042300
(GO MEANS)	0042400
(EQN (CAR L) (QUOTE ASSIGNED))	0042500
(GO ASSIGNED)	0042600
(EQN (CAR L) (QUOTE SWITCH)) (GO SWITCH) (GO TRY2))	0042700
(IF (NULL (SET L (CDR L))) (RETURN M))	0042800
TRY2 (IF (NOT (MEMBER (CAR L) (QUOTE (FLUID FREE LEXICAL CWN))))	0042900
(GO TRY3) (EQN (SET DF (CAR L)) (QUOTE CWN)) (SET M DF))	0043000
TRYA (TESLEX)	0043100
(IF (NULL (SET L (CDR L))) (RETURN M))	0043200
TRY3 (TESLEX)	0043300
(IF (NCT (TMCDP (CAR L))) (GO TRY4))	0043400
(SET DL (CAR L))	0043500
LESS1 (IF (NULL (SET L (CDR L))) (RETURN M))	0043600
TRY4 (IF (NOT (EQ (LENGTH (SET DI L)) 1))	0043700
(COMER2 (CAR L) (QUOTE (IGNORED IN DEC))))	0043800
	0043900
	0044000
	0044100

(GO LESS1)	0044200
MEANS (IF (SIM (QUOTE (MEANS V.)) L) (GO COMMON))	0044300
ERROR (CCMER2 (CAR L) (QUOTE (DEC FORMAT ERROR)))	0044400
(RETLRN NIL)	0044500
ASSIGNED (IF (NOT (SIM (QUOTE (ASSIGNED (ANY. LOC VALUE) S.)) L))	0044600
) (GO ERRCR))	0044700
(SET DF (QUOTE LEXICAL))	0044800
(SET M (QUOTE ASSIGNED))	0044900
(GO TRYA)	0045000
COMMON (SET CI (CADR L))	0045100
(RETURN (CAR L)) SWITCH (SET CI (CDR L)) (RETURN (CAR L))))))	0045200
(FUNCTION (TESLEX SYMBOL))	0045300
NIL (IF (NOT (ATCM DV))	0045400
(BLOCK NIL (IF (EQN DF (QUOTE LEXICAL))	0045500
(COMER2 DV (QUOTE (INVALID AS LEXICAL))) DF (RETURN NIL))	0045600
(SET DF (QUOTE FREE)) NIL))	0045700
(FUNCTION (FPNAME SYMBOL))	0045800
((N SYMBOL) (TY SYMBOL)) (LIST (CONS (GETVAR N) (GETSEC N)) TY))	0045900
(FUNCTION (FNAMER SYMBOL))	0046000
NIL (BLOCK ((N SYMBOL (CADR EXP)))	0046100
(RETURN (IF (SIM (QUOTE V.) N)	0046200
(FPNAME N STYPE))	0046300
(SIM (QUOTE (V. V.)) N)	0046400
(BLOCK ((TY SYMBOL (CADR N)))	0046500
(RETURN (IF (VTYPEP TY)	0046600
(FPNAME (CAR N) TY)	0046700
(BLOCK NIL (COMER2 TY (QUOTE (ILL FUNC TYPE))))	0046800
(RETURN (FPNAME (CAR N) STYPE))))))	0046900
(BLOCK NIL (COMER2 N (QUOTE (BAD FUN NAME))))	0047000
(RETURN (FPNAME (GENID) STYPE)))))))	0047100
(IDCLE (FUNCTION (COMTERM SYMBOL))	0047200
((X SYMBOL))	0047300
(BLOCK ((SCLASS SYMBOL))	0047400
(PCLASS SYMBOL)	0047500
(VCLASS SYMBOL)	0047600
(VTYPE SYMBOL)	0047700
(VREG SYMBOL)	0047800
(VADDR SYMBOL) (VIND SYMBOL) (VINV SYMBOL) (VBYTE SYMBOL))	0047900
(COMEXP X)	0048000
(ATTACH (VLIST)) (SET TERMINS (CONS LISTING TERMINS))))	0048100
(FUNCTION (CCMSTAT SYMBOL))	0048200
((X SYMBOL))	0048300
(BLOCK ((SCLASS SYMBOL))	0048400
(VCLASS SYMBOL)	0048500
(VTYPE SYMBOL)	0048600
(VREG SYMBOL)	0048700
(VADDR SYMBOL) (VIND SYMBOL) (VINV SYMBOL) (VBYTE SYMBOL))	0048800
(SET SCLASS (QUOTE TRUE)) (COMEXP X)))	0048900
(FUNCTION (CCMVAL SYMBOL))	0049000
((X SYMBOL) (XTYPE SYMBOL) (XLOC SYMBOL) (XREG SYMBOL))	0049100
(BLOCK ((SCLASS SYMBOL))	0049200
(PCLASS SYMBOL)	0049300
(VCLASS SYMBOL)	0049400
(VTYPE SYMBOL)	0049500
(VREG SYMBOL)	0049600
(VADDR SYMBOL)	0049700
(VIND SYMBOL) (VINV SYMBOL) (VBYTE SYMBOL) (TERGO SYMBOL))	0049800
(COMEXP X)	0049900
(SET X VTYPE)	0050000
(IF (EQN (GETLCC XLC)) (QUOTE LCC))	0050100
(BLOCK NIL (IF (NOT (EQN XTYPE VTYPE))	0050200
(COMERR (QUOTE (NO TYPES FOR LOC ARG))))	0050300
(MAKELCC) (SET XTYPE VTYPE) G01568))	0050400

(MOVACTIVE (MAKTYP) XREG NIL) (RETURN X))	0050500
(FUNCTION (CCMPUSH SYMBOL)	0050600
((X SYMBOL) (XTYPE SYMBOL) (XLOC SYMBOL))	0050700
(BLOCK ((SCCLASS SYMBOL)	0050800
(PCLASS SYMBOL)	0050900
(VCLASS SYMBOL)	0051000
(VTYPE SYMBOL)	0051100
(VREG SYMBOL)	0051200
(VADDR SYMBOL)	0051300
(VIND SYMBOL) (VINV SYMBOL) (VBYTE SYMBOL) (TERGO SYMBOL))	0051400
(COMEXP X)	0051500
(SET X VTYPE)	0051600
((IF (EQN (GETLCC XLCC) (QUOTE LCC))	0051700
(BLOCK NIL (IF (AND XTYPE (NOT (EQN XTYPE VTYPE))))	0051800
(COMERR (QUOTE (INQ TYPES FOR LOC ARG))))	0051900
(MAKELOC) (SET XTYPE VTYPE) GO1569))	0052000
(MOVVPDS (IF (NULL XTYPE)	0052100
VTYPE (EQN XTYPE (QUOTE NUMBER))	0052200
((IF (MEMBER VTYPE (QUOTE (REAL INTEGER OCTAL))))	0052300
VTYPE (QUOTE REAL)) XTYPE) NIL) (RETURN X))	0052400
(FUNCTION (MAKTYP SYMBOL)	0052500
NIL (IF (NULL XTYPE)	0052600
VTYPE (EQN XTYPE (QUOTE NUMBER))	0052700
((IF (MEMBER VTYPE (QUOTE (REAL INTEGER OCTAL))))	0052800
VTYPE (QUOTE REAL)) XTYPE))	0052900
(FUNCTION (CCMTERMIN5 SYMBOL)	0053000
NIL (BLOCK ((W SYMBOL) (X SYMBOL))	0053100
((IF (NULL (SET W TERMIN5))	0053200
(RETURN (COMERR (QUOTE (NO EXIT GIVEN)))) (SET X XTYPE) (GO C))	0053300
(SET X (GVTYPE (CAAR W)))	0053400
A (IF (NULL (SET W (CDR W))))	0053500
(GO C) (EQN X (GVTYPE (CAAR W))) (GO A))	0053600
(SET X (QUOTE SYMBOL))	0053700
C (SET W TERMIN5)	0053800
(BLOCK ((LISTING SYMBOL)	0053900
(VCLASS SYMBOL)	0054000
(VTYPE SYMBOL)	0054100
(VREG SYMBOL)	0054200
(VADDR SYMBOL) (VIND SYMBOL) (VINV SYMBOL) (VBYTE SYMBOL))	0054300
L (IF (NULL W) (GO GO1570))	0054400
(INHERIT (CAAR W))	0054500
((IF (NULL VCLASS) (GO NL))	0054600
(SET LISTING NIL)	0054700
(MOVACTIVE X (QUOTE AC) NIL)	0054800
((IF (NULL LISTING) (GO NL))	0054900
(SET (CAR (CAR W)) (CAR LISTING))	0055000
((IF (CDR LISTING)	0055100
(SET (CDR (CAR W)) (NCONC (CDR LISTING) (CDAR W))))	0055200
I (SET W (CDR W))	0055300
(GO L) NL (SET (CAR (CAR W)) NIL) (GO I) GO1570)	0055400
(SET VTYPE X)	0055500
(SET VREG (QUOTE AC)) (SET VCLASS (QUOTE ACTIVE)))	0055600
(FUNCTION (CCMEXP SYMBOL)	0055700
((EXP SYMBOL))	0055800
((IF (SIM (QUOTE V.) EXP)	0055900
(COMVAR EXP)	0056000
(ATOM EXP)	0056100
(COMDATUM)	0056200
(NOT (SIM (QUOTE V.) (CAR EXP)))	0056300
(COMER2 (CAR EXP) (QUOTE (ILLEGAL FORM NAME)))	0056400
(BLOCK ((D SYMBOL) (DV SYMBOL))	0056500
((RETURN (IF (NULL (SET D (GETFRV (CAR EXP))))))	0056600
(COMER2 (CAR EXP) (QUOTE (NO DEC YET))))	0056700

(EQN (CAR D) (QUOTE INSTRUCTIONS))	0056800
(BLOCK ((Y (FUNCTIONAL SYMBOL)))	0056900
(SET Y (CADDR D)) (RETURN (Y)))	0057000
(EQN (CAR D) (QUOTE MACRO))	0057100
(IF (NOT (ATOM (CADDR D)))	0057200
(CCMEXP (MAKECARCDR (CDADDR D)))	0057300
(BLOCK ((Z (FUNCTIONAL SYMBOL SYMBOL)))	0057400
(SET Z (CADDR D)) (RETURN (COMEXP (Z EXP))))	0057500
(ATYPEP (CADR D))	0057600
(COMSUB D)	0057700
(AND FKIND (NOT (EQN (CAR D) (QUOTE ROUTINE))))	0057800
(COMER2 DV (QUOTE (USED IN ROUTINE)))	0057900
(FUNTYP (CADR D))	0058000
(COMFUNC DV D EXP)	0058100
(COMERR (APPEND (QUOTE (I DO NOT BELIEVE)) (LIST DV))))))	0058200
(FUNCTION (CCMPAR SYMBOL))	0058300
((DEC SYMBOL) (E SYMBOL))	0058400
(BLOCK ((VT SYMBOL) (VL SYMBOL))	0058500
L (IF (AND (NULL E) (NULL DEC))	0058600
(RETURN NIL) (NOT (AND E DEC)) (RETURN (COMLCK 0)))	0058700
(SET VT (IF (ATOM (SET VL (CAR DEC))) VL (CAR VL)))	0058800
(SET VL (IF (ATOM VL) (QUOTE VALUE) (CADR VL)))	0058900
(IF (SET DEC (CDR DEC))	0059000
(COMPLUSH (CAR E) VT VL) (COMVAL (CAR E) VT VL (QUOTE AC)))	0059100
(SET E (CDR E)) (GO L)))	0059200
(FUNCTION (CCMFUNC SYMBOL))	0059300
((NAM SYMBOL) (DECL SYMBOL) (X SYMBOL))	0059400
(BLOCK NIL (IF (AND (DEBUGGING)	0059500
(NOT (EQ (CAR DECL) (QUOTE ROUTINE)))	0059600
(NOT (EQ (CAR DECL) (QUOTE FUNCTION))))	0059700
(COMSTAT (LIST (QUOTE (FUNCHK . DEBUG)))	0059800
(LIST (QUOTE QUOTE) (CADR DECL)) NAM)))	0059900
(ATTACH (QUOTE (ARGS)))	0060000
(COMPAR (CDDADR DECL) (CDR X))	0060100
(ATTACH (LIST (QUOTE CALL))	0060200
(IF (OR (EQN (CAR DECL) (QUOTE ROUTINE))	0060300
(EQN (CAR DECL) (QUOTE FUNCTION)))	0060400
NAM (BLOCK NIL (ATTACH (LIST (QUOTE LDB) NAM (MAKIND DECL)))	0060500
(ATTACH (QUOTE (STB (FMCALL . SYS))))	0060600
(RETURN (QUOTE (FMCALL . SYS))))))	0060700
(BLOTTC)	0060800
(IF (EQN (SET VTYPE (CADADR DECL)) (QUOTE NOVALUE))	0060900
(BLOCK NIL (SET VTYPE (QUOTE BOOLEAN)))	0061000
(SET VCLASS (QUOTE DATUM)) G01571)	0061100
(BLOCK NIL (SET VCLASS (QUOTE ACTIVE))	0061200
(SET VREG (QUOTE AC)) G01572)))	0061300
(FUNCTION (CCMVAR SYMBOL))	0061400
((DV SYMBOL))	0061500
(BLOCK ((D SYMBOL))	0061600
(IF (OR (NULL (SET D (GETFRV DV)))	0061700
(MEMBER (CAR D) (QUOTE (MACRO INSTRUCTIONS ROUTINE))))	0061800
(RETURN (COMER2 DV (QUOTE (ILLEGALLY USED))))	0061900
(EQN (CAR D) (QUOTE FUNCTION)) (GO FUNC))	0062000
(SET VCLASS (QUOTE LCC))	0062100
(SET VADDR DV)	0062200
(SET VIND (CR (EQN (CADDR D) (QUOTE LOC)))	0062300
(NOT (MEMBER (CAR D) (QUOTE (LEXICAL OWN))))))	0062400
(GO L)	0062500
FUNC (ATTACH (LIST (QUOTE LDA) DV (QUOTE (2Q1 R L4567.7))))	0062600
(BLOTCH (SET VREG (QUOTE AC)))	0062700
(SET VCLASS (QUOTE ACTIVE))	0062800
L (RETURN (SET VTYPE (FTYPER (CAADR D))))))	0062900
(FUNCTION (CCMDATUM SYMBOL))	0063000

(NIL (BLOCK NIL (SET VCLASS (QUOTE DATUM)))	0063100
(SET VTYPE (FVTYPE EXP)) (SET VADDR EXP)))	0063200
(FUNCTION (CCMSUB SYMBOL)	0063300
((D SYMBOL))	0063400
(BLOCK NIL (CCMVAL (IF (DEBUGGING)	0063500
(CONS (QUOTE (ARYCHK . DEBUG))	0063600
DV (LIST (QUOTE QUOTE) (CADADR C)) (CDR EXP)) (CADR EXP))	0063700
(QUOTE INTEGER) NIL (QUOTE AC))	0063800
(ATTACH (LIST (QUOTE ADD)	0063900
DV (LIST (QUOTE T) (MAKIND D) (QUOTE L01234567.3))))	0064000
(SET VCLASS (QUOTE LOC))	0064100
(SET VTYPE (CADADR C)) (SET VREG (QUOTE AC)) (SET VADDR S)))	0064200
(FUNCTION (MAKIND SYMBOL)	0064300
((D SYMBOL))	0064400
(IF (CR (EQN (CADDR C) (QUOTE LOC))	0064500
(MEMBER (CAR C) (QUOTE (FREE FLUID)))) (QUOTE I) C))	0064600
(FUNCTION (MAKECARCDR SYMBOL)	0064700
((J SYMBOL))	0064800
(IF (NULL (CDR J))	0064900
(IF (CCMLCK 2) NIL (CADR EXP))	0065000
(LIST (IF (EQN (CAR J) (QUOTE A)) (QUOTE CAR) (QUOTE CDR))	0065100
(MAKECARCDR (CDR J))))	0065200
(MACRO ((ORG . LISP) SYMBOL)	0065300
((X SYMBOL))	0065400
(IF (NOT (SIM (QUOTE (V. (OR. N. NIL) S.)) X))	0065500
(BLOCK NIL (COMERR (QUOTE (BAD ORG))))	0065600
(BLOCK NIL (SET FORG (CONS (QUOTE CRG)	0065700
(IF (CADR X) (LIST (CADR X)) NIL)))) (RETURN (CADDR X))))))	0065800
(PREC (INSTRUCTIONS ((IF . LISP) NCVALUE)	0065900
NIL (BLOCK NIL (SET EXP (CDR EXP))	0066000
(RETURN (IF (OR (NULL EXP) (NULL (CDR EXP)))	0066100
(COMERR (QUOTE (BAD IF))))	0066200
SCLASS (IFST EXP XGO)	0066300
PCCLASS (IFPRED EXP) TERGO (IFEXPT EXP) (IFEXP EXP))))	0066400
(FUNCTION (IFPREC SYMBOL)	0066500
((X SYMBOL))	0066600
(BLOCK ((GEN SYMBOL) (TG SYMBOL) (FG SYMBOL))	0066700
(SET VCLASS (QUOTE PREDICATE))	0066800
(SET TG (IF TGC TGO (GENID)))	0066900
(SET FG (IF FGC FGO (GENID)))	0067000
A (IF (NULL X) (GO N) (NULL (CDR X)) (GO NC))	0067100
(SET GEN NIL)	0067200
(IF (EQN (CADR X) (QUOTE TRUE))	0067300
(COMPACT (CAR X) TG NIL)	0067400
(EQN (CADR X) (QUOTE FALSE))	0067500
(COMPACT (CAR X) FG NIL)	0067600
(BLOCK NIL (SET GEN (GENID))	0067700
(COMPACT (CAR X) NIL GEN)	0067800
(COMPACT (CADR X) TG FG) (ATTACHLAB GEN) G01573))	0067900
(SET X (CDDR X))	0068000
(GO A)	0068100
NC (COMPACT (CAR X) TGC FGO)	0068200
(GO R)	0068300
N (IF GEN (CALERR))	0068400
R (IF (NOT TGC) (ATTACHLAB TG) (NOT FGO) (ATTACHLAB FG))))	0068500
(FUNCTION (IFST SYMBOL)	0068600
((EXP SYMBOL) (NAME SYMBOL))	0068700
(BLOCK ((GEN SYMBOL) (XGO SYMBOL) (Z SYMBOL))	0068800
(SET XGO NAME)	0068900
A (IF (NULL EXP)	0069000
(GO E)	0069100
(NULL (CDR EXP))	0069200
(GO L1)	0069300

(AND (CDDR EXP) (NULL (CDDDR EXP)) (IFGO (CADDR EXP)))	0069400
(GO L3) (IFGO (CADR EXP)) (GO B) (NULL XGO) (SET XGO (GENID)))	0069500
(IF (NULL (CDDR EXP)) (GO L2))	0069600
(SET GEN (GENID))	0069700
(COMPRED (CAR EXP) NIL GEN)	0069800
(COMSTAT (CADR EXP))	0069900
(IF (NCT (LASTBRANCH)) (ATTACHGC XGO))	0070000
(ATTACHLAB GEN)	0070100
I (SET EXP (CDDR EXP))	0070200
(GO A)	0070300
L2 (COMPRED (CAR EXP) NIL XGO)	0070400
(COMSTAT (CADR EXP))	0070500
(GO E)	0070600
L3 (COMPRED (CAR EXP)	0070700
(IF (SET Z (IFGO (CADR EXP))) (CADADR EXP) NIL)	0070800
(CADR (CADDR EXP)))	0070900
(IF (NCT Z) (CCMSTAT (CADR EXP)))	0071000
(GO E)	0071100
E (COMPRED (CAR EXP) (CADADR EXP) NIL)	0071200
(GO I)	0071300
L1 (COMSTAT (CAR EXP))	0071400
E (IF (AND XGO (NOT NAME)) (ATTACHLAB XGO)))	0071500
(FUNCTION (IFEXPT SYMBOL)	0071600
((X SYMBOL))	0071700
(BLOCK ((GEN SYMBOL))	0071800
A (IF (NULL (CDR X)) (GO B))	0071900
(SET GEN (GENID))	0072000
(IF (NULL (CDDR X)) (GO C))	0072100
(COMPRED (CAR X) NIL GEN)	0072200
(COMTERM (CADR X))	0072300
(SET X (CDR X))	0072400
C (ATTACHGC TERGO)	0072500
(ATTACHLAB GEN)	0072600
I (SET X (CDR X))	0072700
(GO A)	0072800
C (COMPRED (CAR X) GEN NIL)	0072900
(CALERR) (GO D) B (COMTERM (CAR X)))	0073000
(FUNCTION (IFEXP SYMBOL)	0073100
((EXP SYMBOL))	0073200
(BLOCK ((TERMINS SYMBOL)	0073300
((LABELS SYMBOL) (GCLIST SYMBOL) (TERGO SYMBOL) (X SYMBOL))	0073400
(SET TERGO (GENID))	0073500
(IFEXPT EXP)	0073600
(ATTACHLAB TERGO)	0073700
(COMTERMINS)	0073800
(IF (SET X (COMGOES (QUOTE TRUE))))	0073900
(COMER2 (QUOTE (UNDEFINED LABELS)) X)))	0074000
(FUNCTION (IFGC SYMBOL) ((X SYMBOL)) (SIM (QUOTE (GO ID.)) X))	0074100
(FLNCTION (CCMPRED SYMBOL)	0074200
((X SYMBOL) (TG SYMBOL) (FG SYMBOL))	0074300
(BLOCK ((SCLASS SYMBOL) (PCLASS SYMBOL) (XTYPE SYMBOL))	0074400
(SET PCLASS (QUOTE TRUE)) (COMPACT X TG FG)))	0074500
(FUNCTION (CCMPACT SYMBOL)	0074600
((X SYMBOL) (TGC SYMBOL) (FGO SYMBOL))	0074700
(BLOCK ((XTYPE SYMBOL)	0074800
((VCLASS SYMBOL))	0074900
((VTYPE SYMBOL))	0075000
((VREG SYMBOL))	0075100
((VADDR SYMBOL) (VIND SYMBOL) (VINV SYMBOL) (VBYTE SYMBOL))	0075200
(SET XTYPE (QUOTE BITLEAN))	0075300
(COMEXP X)	0075400
(IF (EGN VCLASS (QUOTE PREDICATE))	0075500
(GO P)	0075600

(NULL VCLASS)	0075700
(RETURN (CCMERR (QUOTE (NOVALUE PREDICATE))))	0075800
(EQN VCLASS (QUOTE DATUM))	0075900
(IF (MEMBER VADDR (QUOTE (NIL FALSE))) (GO A) NIL)	0076000
(MEMBER VTTYPE (QUOTE (SYMBOL BCLEAN))) (GO B))	0076100
(BRANCHER (QUOTE ((TGO (BUC)))))	0076200
(GO P)	0076300
A (BRANCHER (QUOTE ((FGO (BUC)))))	0076400
(GO P)	0076500
B (MOVACTIVE (QUOTE SYMBOL) (QUOTE AC) NIL)	0076600
(BRANCHER (QUOTE ((FGO (BOZP) (BNZP)))))	0076700
P (IF (AND TGO FGO (NOT (LASTBRANCH)))	0076800
(BRANCHER (QUOTE ((TGO (BUC))))))	0076900
(FUNCTION (MAKEPRED SYMBOL))	0077000
NIL (CCMEXP (LIST (QUOTE IF) EXP (QUOTE TRUE) NIL)))	0077100
(FUNCTION (CCMBOCL SYMBOL))	0077200
((MODE SYMBOL))	0077300
(BLOCK ((H SYMBOL) (G SYMBOL) (I SYMBOL))	0077400
(IF (OR SCLASS (NOT PCLASS))	0077500
(RETURN (MAKEPRED)) (NULL (CDR EXP)) (GO D))	0077600
(SET H (CDR EXP))	0077700
A (IF (NULL (CDR H)) (GO B))	0077800
(SET I (IF MODE FGO TGC))	0077900
(SET I (IF I I G G (SET G (GENID))))	0078000
(COMPACT (CAR H) (IF MODE NIL I) (IF MODE I NIL))	0078100
(SET H (CDR H))	0078200
(GO A)	0078300
B (COMPACT (CAR H) TGO FGO)	0078400
(SET VCLASS (QUOTE PREDICATE))	0078500
(IF (NULL G) (GO C))	0078600
(ATTACHLAB G)	0078700
C (RETURN NIL) D (SET VCLASS (QUOTE DATUM)) (SET VADDR MODE))	0078800
(FUNCTION (BRANCHER SYMBOL))	0078900
((BLIST SYMBOL))	0079000
(BLOCK ((I SYMBOL)	0079100
(B SYMBOL)	0079200
(Z1 SYMBOL) (Z2 SYMBOL) (X SYMBOL) (Z SYMBOL) (DGO SYMBOL))	0079300
A (IF (NULL BLIST) (GO R))	0079400
(SET I (SET B (CAR BLIST)))	0079500
(SET BLIST (CDR BLIST))	0079600
B (IF (EQN (CAR B) (QUOTE TGO))	0079700
(GO TG)	0079800
(EQN (CAR B) (QUOTE FGO))	0079900
(GO FG) (MEMBER (CADDR B) (QUOTE (TGO FGO))) (SET B (CDR B)))	0080000
(GO B)	0080100
TG (SET Z1 TGO)	0080200
(SET Z2 FGC)	0080300
(GO C)	0080400
FG (SET Z1 FGO)	0080500
(SET Z2 TGC)	0080600
C (SET Z (IF Z1 Z1 BLIST (IF (NULL DGO) (SET DGO (GENID)) DGO)	0080700
(CDDR B) (BLCK NIL (SET B (CDR B)) (RETURN Z2)) NIL))	0080800
(IF (NOT Z) (GC A))	0080900
(SET X (CONS (CAADR B) (LABELER Z) (CDADDR B)))	0081000
(ATTACH X)	0081100
M (IF (AND BLIST (NOT Z1)) (GO A))	0081200
(SET Z (IF (EQN (CAR X) (QUOTE BUC)) (QUOTE GO) (QUOTE ACDR)))	0081300
(SET GCLIST (CCNS (CONS Z LISTING) GOLIST))	0081400
(GO A) R (IF DGO (ATTACH DGO)))	0081500
(FUNCTION (CCMREL SYMBOL))	0081600
((J SYMBOL))	0081700
(BLOCK NIL (IF (OR SCLASS (NOT PCLASS)) (RETURN (MAKEPRED)))	0081800
(COMVAL (CCNS (QUOTE DIFFERENCE) (CDR EXP)))	0081900

(QUOTE NUMBER) NIL (QUOTE AC))	0082000
(BRANCHER J) (SET VCLASS (QUOTE PREDICATE))))	0082100
(FUNCTION (NCTF SYMBOL))	0082200
NIL (BLCK ((J SYMBOL)))	0082300
(IF (OR SCLASS (NOT PCLASS)) (RETURN (MAKEPRED)))	0082400
(SET J TGO) (SET TGO FGO) (SET FGO J) (COMEXP (CADR EXP))))	0082500
(FUNCTION (CALERR NOVALUE))	0082600
NIL (BLCK NIL (ATTACH (QUOTE (ARGS))))	0082700
(CALCOMP (QUOTE CONCERR))))	0082800
(INSTRUCTIONS ((AND . LISP) NOVALUE) NIL (COMBOOL (QUOTE TRUE))))	0082900
(INSTRUCTIONS ((CR . LISP) NOVALUE) NIL (COMBOOL NIL))	0083000
(INSTRUCTIONS ((NULL . LISP) NOVALUE) NIL (NOTF))	0083100
(INSTRUCTIONS ((NOT . LISP) NOVALLE) NIL (NOTF))	0083200
(INSTRUCTIONS ((QUOTE . LISP) NOVALUE)	0083300
NIL (BLCK NIL (IF (COMLCK 2) (RETURN NIL)))	0083400
(SET VCLASS (QUOTE DATUM))	0083500
(SET VTYPE (FVTYPE (SET VADDR (CADR EXP))))))	0083600
(BRANCH (INSTRUCTIONS ((GO . LISP) NOVALUE))	0083700
NIL (BLCK ((A SYMBOL)))	0083800
(IF (OR (NCT SCLASS) (COMLCK 2))	0083900
(RETURN (COMER2 EXP (QUOTE (ILLEGAL GO))))	0084000
(NOT (ATOM (CADR EXP))) (GO SW))	0084100
(SET A (CADR EXP))	0084200
(GO C)	0084300
SW (SET A (CAADR EXP))	0084400
(COMVAL (CADADR EXP) (QUOTE INTEGER) NIL (QUOTE AC))	0084500
C (ATTACHGC A)))	0084600
(INSTRUCTIONS ((RETURN . LISP) NOVALUE))	0084700
NIL (IF (CR (NOT SCLASS) (COMLCK 2))	0084800
(COMER2 EXP (QUOTE (ILLEGAL RETURN))))	0084900
(AND (LASTBRANCH) TERMINS)	0085000
NIL (BLOCK ((SCCLASS SYMBOL)))	0085100
(IF PCLASS (RETURN (COMPACT (CADR EXP) TGO FGO)))	0085200
(COMTERM (CADR EXP))	0085300
(IF (NOT (LASTBRANCH)) (ATTACHGC TERGO))))	0085400
(INSTRUCTIONS ((LABEL . LISP) NOVALUE))	0085500
NIL (BLCK NIL (IF (COMLCK 3))	0085600
(RETURN NIL)	0085700
(AND (IDP (CADR EXP)) (OR SCLASS PCLASS))	0085800
(ATTACHLAB (CADR EXP)) (COMER2 (CADR EXP) (QUOTE (BAD LABEL))))	0085900
(COMEXP (CADDR EXP))))	0086000
(FUNCTION (CCMSWITCH SYMBOL))	0086100
((L SYMBOL) (V SYMBOL))	0086200
(BLOCK NIL (REMCTE V))	0086300
(REMOTE (LIST (QUOTE BUC) (LIST (QUOTE LABEL) V) (QUOTE A)))	0086400
A (IF (NULL L) (GO B))	0086500
(REMOTE (LIST (QUOTE BUC) (LABELER (CAR L)))))	0086600
(SET GCLIST (CCNS (CONS (QUOTE GC) REMOTES) GOLIST))	0086700
(SET L (CDR L)) (GO A) B (SET LABELS (CONS V LABELS))))	0086800
(FUNCTION (CCMGOES SYMBOL))	0086900
((P SYMBOL))	0087000
(BLOCK ((L SYMBOL))	0087100
(M SYMBOL) (X SYMBOL) (Y SYMBOL) (G1 SYMBOL) (G2 SYMBOL))	0087200
A (IF (NULL GOLIST))	0087300
(GO B)	0087400
(NOT (MEMBER (CADAR (GOGET (CAR GCLIST))) LABELS))	0087500
(SET L (CCNS (CAR GOLIST) L)))	0087600
(SET GCLIST (CER GOLIST))	0087700
(GO A)	0087800
B (IF (AND L (NOT (ATOM P)))	0087900
(GO E) (OR (NULL P) (NOT (ATOM P))) (ATTACH (QUOTE (END))))	0088000
(RETURN L)	0088100
E (SET X (LASTBRANCH))	0088200

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(SET G1 (LABELER (GENID))) 0088300
(IF X (GC G)) 0088400
(SET G2 (LABELER (GENID))) 0088500
(ATTACH (LIST (QUOTE BSX) G1 4 G2)) 0088600
G (ATTACH (CADR G1)) 0088700
(ATTACH (QUOTE (END))) 0088800
(ATTACH (QUOTE (BUC 0 4))) 0088900
(IF (NCT X) (ATTACH (CADR G2))) 0089000
C (IF (NULL L) (RETURN GOLIST)) 0089100
(SET X (GOGET (CAR L))) 0089200
(SET Y (LIST (QUOTE BSX) G1 4 (CAR X))) 0089300
(IF (EQN (CAAR L) (QUOTE GO)) 0089400
  (GO H) (SET G2 (GOMEMBER Y GOLIST)) (GO P)) 0089500
(SET G2 (LABELER (GENID))) 0089600
(REMOTE (CADR G2)) 0089700
(REMOTE Y) 0089800
(SET GOLIST (CCNS (CONS (QUOTE DECR) REMOTES) GOLIST)) 0089900
P (SET (CAR X) G2) 0090000
(GO Q) 0090100
H (SET (CAR (CDAR L)) Y) 0090200
(SET GOLIST (CCNS (CONS (QUOTE DECR) (CDAR L)) GOLIST)) 0090300
C (SET L (CDR L)) (GC C)) 0090400
(FUNCTION (LASTBRANCH SYMBOL) 0090500
  NIL (AND (NCT (ATCM (CAR LISTING))) 0090600
    (MEMBER (CAAR LISTING) (QUOTE (BUC BSX BAX))))) 0090700
(FUNCTION (GCGET SYMBOL) 0090800
  ((L SYMBOL))
  (BLOCK ((X SYMBOL) (Y SYMBOL)) 0090900
    (SET X (CAR L)) 0091000
    (SET Y (CDADR L)) 0091100
    (RETURN (IF (EQN X (QUOTE GO)) 0091200
      Y (EQN X (QUOTE ADDR)) Y (EQN X (QUOTE DECR)) (CDDR Y) NIL))) 0091300
    0091400
  (FUNCTION (GCMEMBER SYMBOL) 0091500
    ((X SYMBOL) (L SYMBOL))
    (BLOCK ((P SYMBOL)) 0091600
      A (IF (NULL L) (RETURN NIL)) 0091700
      (SET P (CDAR L)) 0091800
      (IF (NCT (EQ (CAR P) X)) (GO B) (ATOM (CADR P)) (GC R)) 0091900
      (SET (CDR P) (CONS (GENID) (CDR P))) 0092000
      R (RETRN (LABELER (CADR P))) B (SET L (CDR L)) (GO A))) 0092100
      0092200
    (CCMPARE (INSTRUCTIONS ((EQN . LISP) NOVALUE) 0092300
      NIL (IF (COMLCK 3) 0092400
        NIL (OR SCLASS (NOT PCLASS)) 0092500
        (MAKEPRED) 0092600
        (BLOCK ((A SYMBOL) (B SYMBOL)) 0092700
          (SET A (CCMTOP (QUOTE SYMBOL) (CADR EXP))) 0092800
          (SET B (CCMTOP (QUOTE SYMBOL) (CACDR EXP))) 0092900
          (IF (AND (EQN (GVCLAS A) (QUOTE DATUM)) (IDP (GVADDR A))) 0093000
            (EQBXE A B) 0093100
            (AND (EQN (GVCLAS B) (QUOTE DATUM)) (IDP (GVADDR B))) 0093200
            (EQBXE B A) (EQXDR (LIST A B NIL)))))) 0093300
      (INSTRUCTIONS ((EQ . LISP) NOVALUE) NIL (EQHLP (QUOTE EQUAL.))) 0093400
      (INSTRUCTIONS ((EQUALN . LISP) NOVALUE) 0093500
        NIL (EQHLP (QUOTE EQUALN.))) 0093600
      (INSTRUCTIONS ((NQ . LISP) NOVALUE) 0093700
        NIL (COMEXP (LIST (QUOTE NOT) (CCNS (QUOTE EQUAL) (CDR EXP))))) 0093800
      (INSTRUCTIONS ((LS . LISP) NOVALUE) 0093900
        NIL (COMREL (QUOTE ((FGC (BOZ)) (FGC (BOP) (BOM))))) 0094000
      (INSTRUCTIONS ((GR . LISP) NOVALUE) 0094100
        NIL (COMREL (QUOTE ((FGC (BOZ)) (FGC (BOM) (BOP))))) 0094200
      (INSTRUCTIONS ((LQ . LISP) NOVALUE) 0094300
        NIL (COMREL (QUOTE ((TGC (BOZ)) (FGC (BOP) (BOM))))) 0094400
      (INSTRUCTIONS ((CQ . LISP) NOVALUE) 0094500

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NIL (COMREL (QUOTE ((TGO (BOZ)) (FGC (BOM) (BOP))))))	0094600
(MACRO ((EQUAL . LISP) SYMBOL))	0094700
((X SYMBOL) (CCNS (QUOTE EQ) (CDR X)))	0094800
(FUNCTION (CCMGLITCH SYMBOL))	0094900
((L SYMBOL))	0095000
(BLOCK ((VCLASS SYMBOL))	0095100
(VTYPE SYMBOL)	0095200
(VREG SYMBOL)	0095300
(VADDR SYMBOL)	0095400
(LISTING SYMBOL)	0095500
(VBYTE SYMBOL) (VBLOT SYMBOL) (VIND SYMBOL) (VINV SYMBOL))	0095600
(RESTORE L)	0095700
((IF (AND (EQN VCLASS (QUOTE DATUM)) (NOT (NUMBP VADDR)))	0095800
(MOVACTIVE VTYPE (QUOTE AC) NIL))	0095900
(SET VTYPE (QUOTE OCTAL)) (RETURN (CLUNK))))	0096000
(FUNCTION (EQXOR SYMBOL))	0096100
((L SYMBOL))	0096200
(BLOCK ((INSTRUCTION SYMBOL))	0096300
(SET INSTRUCTION (QUOTE XOR))	0096400
(INHERIT (CAR (SET L (WRDHLP (LIST (COMGLITCH (CAR L))	0096500
(COMGLITCH (CADR L)) NIL))))	0096600
(LSTLST (CADR L)))	0096700
(MOVACTIVE (QUOTE OCTAL) (QUOTE AC) NIL)	0096800
(BRANCHER (QUOTE ((FGO (BNZP) (ECZP))))))	0096900
(SET VCLASS (QUOTE PREDICATE))))	0097000
(FUNCTION (EQBXE SYMBOL))	0097100
((A SYMBOL) (B SYMBOL))	0097200
(BLOCK NIL (RESTORE A))	0097300
(RESTORE B)	0097400
(MOVACTIVE (QUOTE SYMBOL) (QUOTE AC) NIL)	0097500
(BRANCHER (SUBST (GVADDR A)	0097600
(QUOTE Z) (QUOTE ((TGO (BXE AC (ID Z)) (FGO (BUC))))))	0097700
(SET VCLASS (QUOTE PREDICATE))))	0097800
(FUNCTION (EQNIL SYMBOL))	0097900
((L SYMBOL))	0098000
(BLOCK NIL (LSTLST (LAST (CAR L)))	0098100
(LSTLST (LAST (CADR L)))	0098200
(INHERIT (QUOTE (DATUM BOOLEAN NIL NIL NIL NIL NIL NIL NIL)))	0098300
(FUNCTION (EQSUB SYMBOL))	0098400
((L SYMBOL))	0098500
(BLOCK ((X SYMBOL))	0098600
(SET X (CDCCDR (CDDCR (IF (FULLW (GVBYTE (CAR L))))	0098700
(CAR L))	0098800
(FULLW (GVBYTE (CADR L))))	0098900
(CADR L))	0099000
(CAR (SET L (CONS (BLOCK ((VCLASS SYMBOL))	0099100
(VTYPE SYMBOL)	0099200
(VREG SYMBOL)	0099300
(VACDR SYMBOL)	0099400
(VBYTE SYMBOL)	0099500
(VBLOT SYMBOL)	0099600
(VIND SYMBOL) (VINV SYMBOL) (LISTING SYMBOL))	0099700
(RESTORE (CAR L))	0099800
(MCVACTIVE VTYPE (QUOTE AC) NIL) (RETURN (CLUNK))))	0099900
(CDR L))))))	0100000
(SET (CAR X))	0100100
((IF (MEMBER (QUOTE MINUS) (CAR X))	0100200
(DELETEL (QUOTE MINUS) (CAR X)) (CONS (QUOTE MINUS) (CAR X))))	0100300
(COMARI 0 L (SPLUS . SYS)	0100400
PLIALG PLSMCV PLIMVP PLSPDL PLRALG PLSMOV PLRMVP PLSPDL)	0100500
((IF VCLASS (BLCK NIL (MOVACTIVE VTYPE (QUOTE AC) NIL)	0100600
(BRANCHER (QUOTE ((FGO (BNZ) (BOZ))))))	0100700
(SET VCLASS (QUOTE PREDICATE)) G01574)	0100800

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  (INHERIT (QUOTE (DATUM BOOLEAN NIL TRUE NIL NIL NIL NIL)))) 0100900
  (FUNCTION (ECHLP SYMBOL)) 0101000
  ((FCN SYMBOL)) 0101100
  (BLOCK ((TA SYMBOL) (TB SYMBOL) (A SYMBOL) (B SYMBOL) (X SYMBOL)) 0101200
  (IF (CCMLCK 3) 0101300
    (RETURN NIL) (CR SCLASS (NOT PCLASS)) (RETURN (MAKEPRED))) C101400
  (SET X (COMARGS)) 0101500
  (SET TA (GVTYPE (SET A (CAR X)))) 0101600
  (SET TB (GVTYPE (SET B (CADR X)))) 0101700
  (IF (OR (AND (EQN TA TB)
    (MEMBER TA (QUOTE (CCTAL FUNCTIONAL BOOLEAN)))) 0101800
    (AND (EQN TA (QUOTE BOOLEAN)) (EQN TB (QUOTE SYMBOL)))) 0101900
    (AND (EQN TA (QUOTE SYMBOL)) (EQN TB (QUOTE BOOLEAN)))) 0102000
    (RETURN (EQXOR X))) 0102100
    (AND (MEMBER TA (QUOTE (OCTAL INTEGER REAL)))) 0102200
    (MEMBER TB (QUOTE (OCTAL INTEGER REAL)))) 0102300
    (RETURN (IF (AND (NOT (EQN TA TB)) (EQN FCN (QUOTE EQUALN.)))
      (EQNIL X) (EQSUB X))) 0102400
      (NOT (OR (EQN (QUOTE SYMBOL) TA) (EQN (QUOTE SYMBOL) TB))) 0102500
      (RETURN (EQNIL X))) 0102600
      (AND (EQN TB (QUOTE SYMBOL))) 0102700
      (OR (NOT (EQN TA (QUOTE SYMBOL)))) 0102800
      (NOT (EGN (GVCLAS A) (QUOTE DATUM))) (NOT (IDP (GVADDR A)))) 0102900
      (BLOCK NIL (SET A B)
        (SET TA TB) (SET TB (GVTYPE (SET B (CAR X)))) G01575)) 0103000
      (IF (AND (IDP (GVADDR A)) (EQN (GVCLASS A) (QUOTE DATUM))) 0103100
        (RETURN (EQBXE A B))) 0103200
      (ATTACH (QUOTE (ARGS)))) 0103300
      (RESTORE A) 0103400
      (MOVPS (QUOTE SYMBOL) NIL) 0103500
      (RESTORE B) 0103600
      (MOVACTIVE (QUOTE SYMBOL) (QUOTE AC) NIL) 0103700
      (CALCOMP FCN) (SET VTYPE (QUOTE BOOLEAN)))) 0103800
  (BLOCK (INSTRUCTIONS ((CODE . LISP) NOVALUE) 0103900
  NIL (BLCK NIL (BLTTO)
    (INHERIT (QUOTE (ACTIVE OCTAL AC NIL NIL NIL NIL NIL NIL)))) 0104000
    (LSTLST (REVERSE (CDR EXP)))) 0104100
  (INSTRUCTIONS ((BLOCK . LISP) NOVALUE) 0104200
  NIL (BLCK ((P SYMBOL) (X SYMBOL))
    (IF (AND SCLASS (NOT (ANYVARS (CADR EXP)))) 0104300
      (RETURN (BLCK NIL (MAPCAR (CAER EXP)
        (FUNARG SYMBOL ((J SYMBOL)) (COMSWITCH (CDDR J) (CAR J)))) 0104400
        (RETURN (COMBLOCK (CDDR EXP))))))) 0104500
    (SET X ALIST) 0104600
    (BLOCK ((ALIST SYMBOL) (LABELS SYMBOL) (GOLIST SYMBOL)) 0104700
    (SET ALIST X) 0104800
    (SET P (IF (NULLL (CADR EXP)) (QUOTE TRUE) (BKBIND))) 0104900
    (IF SCLASS (CCMBLCK (CDDR EXP)) 0105000
      PCLASS (BLCK ((X SYMBOL))
        (IF (NULL TGC) (SET X (SET TGC (GENID)))) 0105100
        (IF (NULL FGC) (SET X (SET FGC (IF X X (GENID)))))) 0105200
        (CCMBLOCK (CDDR EXP))) 0105300
        (SET VCLASS (QUOTE PREDICATE)) 0105400
        (IF (NULL X) (GC G01578)) 0105500
        (ATTACHLAB X) (SET TGO NIL) G01578) 0105600
      TERGC (CCMBLCK (CDDR EXP)) 0105700
      (BLOCK ((TERMINS SYMBOL) (TERGC SYMBOL)) 0105800
      (SET TERGC (GENID)) 0105900
      (COMBLOCK (CDDR EXP)) (ATTACHLAB TERGO) (COMTERMINS) G01579)) 0106000
      (SET X (CCMGOES P)) G01577) 0106100
      (IF (OR SCLASS PCLASS TERGO) 0106200
        (SET GOLIST (NCONC X GOLIST))) 0106300
      X (COMER2 (QUOTE (UNDEFINED LABELS))) 0106400
    ) 0106500
    ) 0106600
  ) 0106700
  ) 0106800
  ) 0106900
  ) 0107000
  ) 0107100

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(MAPCAR X (FUNARG SYMBOL ((J SYMBOL)) (CADAR (GOGET J))))))	0107200
(FUNCTION (CCMBLCCK SYMBOL))	0107300
((L SYMBOL))	0107400
(BLOCK ((X SYMBOL) (XGO SYMBOL)))	0107500
A (IF (NULL L))	0107600
(GO B)	0107700
(NOT (ATOM (SET X (CAR L)))))	0107800
(BLOCK ((XGO SYMBOL (IF (SIM (QUOTE (S. (GO ID.) . S.)) L) (CADADR L) NIL))) (COMSTAT X)))	0107900
(IDP X)	0108000
(ATTACHLAB X) (NULL X) NIL (CCMER2 X (QUOTE (NOT A LABEL))))	0108200
(SET L (CDR L))	0108300
(GO A)	0108400
B (IF (AND (NOT SCLASS) (NOT (LASTBRANCH)))	0108500
(COMSTAT (LIST (QUOTE RETURN) (ITYPE XTYPE))))))	0108600
(MACRO ((ORDER . LISP) SYMBOL))	0108700
((EXP SYMBOL))	0108800
(IF (COMLCK 2))	0108900
NIL (ATOM (CADR EXP))	0109000
(CADR EXP)	0109100
(BLOCK ((X SYMBOL) (Y SYMBOL)))	0109200
(SET X (MAPCAR (CDADR EXP)))	0109300
(FUNARG SYMBOL ((J SYMBOL))	0109400
(LIST (GENID) (QUOTE ASSIGNED) J))))	0109500
(SET Y (CCNS (CAADR EXP)))	0109600
(MAPCAR X (FUNARG SYMBOL ((J SYMBOL)) (CAR J))))))	0109700
(RETURN (LIST (QUOTE BLOCK))	0109800
(IF SCLASS Y (LIST (QUOTE RETURN) Y))))))	0109900
(CASE (MACRO ((CASE . LISP) SYMBOL))	0110000
((X SYMBOL))	0110100
(IF (LS (LENGTH X) 3))	0110200
(BLOCK NIL (COMERR (QUOTE (BAD CASE))) (RETURN (ITYPE XTYPE))))	0110300
(BLOCK (LABELS))	0110400
(RETURN (BLOCK ((M (MAPCAR (CDDR X))	0110500
(FUNARG SYMBOL ((J SYMBOL))	0110600
(IF (SIM (QUOTE (GO ID.)) J))	0110700
(BLOCK NIL (SET LABELS (CONS (CADR J) LABELS)))	0110800
(BLOCK NIL (SET LABELS (CONS (GENID) LABELS)))	0110900
(RETURN (LIST (QUOTE BLOCK))	0111000
NIL (CAR LABELS))	0111100
(IF SCLASS J (LIST (QUOTE RETURN) J)))))))))	0111200
(RETURN (APPEND (QUOTE (BLOCK NIL)))	0111300
(CONS (CONS (QUOTE CASEGO))	0111400
(CADR X) (REVERSE LABELS)) M))))))	0111500
(INSTRUCTIONS ((CASEGC . LISP) NCVALUE))	0111600
NIL (BLOCK ((L (LIST (LIST (QUOTE LABEL) (GENID)) -1)))	0111700
(COMVAL (CADR EXP) (QUOTE INTEGER) NIL (QUOTE AC)))	0111800
(LSTLST (SUBST L (QUOTE L)))	0111900
(SUBST (LENGTH (CDDR EXP)))	0112000
(QUOTE N))	0112100
(QUOTE ((BUC L A))	0112200
(BOP L) (SUB N (L567.7 R S)) (BOZ L) (BOM L))))))	0112300
(MAP (CDDR EXP))	0112400
(FUNARG SYMBOL ((J SYMBOL))	0112500
(BLOCK NIL (ATTACH (LIST (QUOTE BUC) (LABELER (CAR J)))))	0112600
(IF (NOT (MEMBER (CAR J) LABELS)))	0112700
(SET GCLIST (CONS (CONS (QUOTE GO) LISTING) GOLIST))))))	0112800
(ATTACH (CADAR L))))	0112900
(ZAPZAP (MACRO ((LIST . LISP) SYMBOL))	0113000
((EXP SYMBOL))	0113100
(IF (GR (LENGTH EXP) 2))	0113200
(LISTX (CDR EXP))	0113300
(CDR EXP) (CONS (QUOTE (LIST1 . SYS)) (CDR EXP)) NIL))	0113400

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(MACRO ((CCNS . LISP) SYMBOL)
((EXP SYMBOL))
(IF (LS (LENGTH EXP) 3)
(BLOCK NIL (COMLCK 3)) (LISTX (CDR EXP))))
(INSTRUCTIONS ((SHIFT . LISP) NOVALUE) NIL (SHIFTER (QUOTE CYC)))
(INSTRUCTIONS ((SCALE . LISP) NOVALUE) NIL (SHIFTER (QUOTE SFA)))
(INSTRUCTIONS ((CYCLE . LISP) NOVALUE) NIL (SHIFTER (QUOTE CYA)))
(FUNCTION (LISTX SYMBOL))
((X SYMBOL))
(BLOCK ((L SYMBOL)))
(SET L (LENGTH X))
(RETURN (IF (GR L 4)
  (LIST (QUOTE (CONS4 . SYS)))
  (CAR X) (CADR X) (CADDR X) (LISTX (CDDDR X)))
  (CONS (CDR (FIND L (CDR (FIND (CAR EXP)
    (QUOTE ((LIST (2 LIST2 . SYS)
      (3 LIST3 . SYS) (4 LIST4 . SYS))
      (CCNS (2 CCNS2 . SYS)
        (3 CCNS3 . SYS) (4 CCNS4 . SYS))))))) X)))))))
(FUNCTION (SHIFTER SYMBOL))
((C SYMBOL))
(IF (COMLCK 3)
  NIL (BLOCK ((X SYMBOL)))
  (COMEXP1 (CADDR EXP))
  (SET VINV (IF (MEMBER (QUOTE MINUS) VINV) NIL (QUOTE (MINUS))))
  (IF (EQN VCLASS (QUOTE DATUM))
    (BLOCK NIL (VSET (COMDAT (CLUNK))))
    (SET X (CNVDEATM VTYPE VADDR (QUOTE INTEGER))) G01583)
    (MOVPDS (QUOTE INTEGER) NIL))
  (COMTYP (QUOTE OCTAL) (CADR EXP)))
  (MOVACTIVE (QUOTE OCTAL) (QUOTE AC) NIL)
  (IF (EQN C (QUOTE CYC)) (ATTACH (QUOTE (STZ B.))))
  (ATTACH (CCNS C (IF X (LIST X (QUOTE R)) (QUOTE (POP.))))))))
  FUNARG (MACRO ((FUNCTION . LISP) SYMBOL) ((X SYMBOL)) (COMPILER X))
(INSTRUCTIONS ((FUNARG . LISP) NOVALUE)
  NIL (IF (NOT (AND (SIM (QUOTE (V. A. (OR. L. NIL) S.)) EXP)
    (OR (VTYPEPEP (CADR EXP)) (NOT (CADR EXP))))))
  (COMER2 EXP (QUOTE (NOT LEGAL FUNARG)))
  (OR SCCLASS PCCLASS)
  (BLOCK NIL (SET VCLASS (QUOTE DATUM))
    (SET VTYPE (QUOTE BOOLEAN)) (SET VADDR (QUOTE TRUE)))
  (BLOCK ((APLIST SYMBOL (APPEND ALIST APLIST))
    (FEXP SYMBOL (LIST (QUOTE FUNCTION))
      (LIST (GENID) (IF (CADR EXP) (CADR EXP) STYPE))
      (CADDR EXP) (CADDR EXP))))
    (RETURN (BLOCK ((IR SYMBOL) (C SYMBOL))
      (BLCK ((IRLIST SYMBOL))
        (SET C (FUNCTIC FEXP)) (SET IR IRLIST) G01584)
      (IF ERRFLG (RETURN NIL))
      (NCT IR) (RETURN (COMEXP (COMPILER FEXP)))))
    (BLCK ((IRLIST SYMBOL))
      (ATTACH (LIST (QUOTE LDA))
        (FUNCTION (BLOCK NIL (SET (CAR (CDDDR FEXP))
          (LIST (QUOTE BLOCK))
          NIL (QUOTE (CODE (LDX (FMCALL . SYS) L 7))))
          (LIST (QUOTE BLOCK))
          (MAPCAR IR (FUNCTION (G01586 SYMBOL)
            ((J SYMBOL)))
            (LIST (CAR J) (CADR J) (QUOTE LOC) (CAR J))))
          (LIST (QUOTE RETURN) (CADDR FEXP))))))
      (RETURN FEXP)) (QUOTE (2Q1 R L4567.7))) G01585)
    (ATTACH (QUOTE (STX A. L 8)))
    (INHERIT (QUOTE (ACTIVE FUNCTIONAL AC NIL NIL NIL (AC) NIL)))))))

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L (IF (NULL IR))	0119800
(RETURN NIL)	0119900
(NCT (CR (MEMBER (SET C (CAR IR)) ALIST) (MEMBER C IRLIST)))	0120000
(SET IRLIST (CONS C IRLIST))) (SET IR (CDR IR)) (GO L))))))	0120100
(TRY (MACRC ((TRY . LISP) SYMBOL))	0120200
((EXP SYMBOL))	0120300
(IF (COMLCK 4))	0120400
NIL (BLOCK ((G1 SYMBCL) (G2 SYMBCL))	0120500
(RETURN (APPEND (SUBST (SET G1 (GENID))	0120600
(QUOTE X))	0120700
(QUOTE (BLCK ((TRYPT . SYS)	0120800
CCTL FLUID (CODE (LDA ((LABEL X) (MINUS ORG.))	0120900
(L567.7 R))))))	0121000
(LIST (CADDR EXP))	0121100
(LIST (QUOTE GO) (SET G2 (GENID)))	0121200
G1 (CONS (QUOTE SET))	0121300
(LIST (CADR EXP) (QUOTE (C2S. (CODE))))))	0121400
(LIST (QUOTE GO) (CADDR EXP)) G2))))))	0121500
(RELATE (MACRO ((RELATION . LISP) SYMBCL))	0121600
((EXP SYMBOL))	0121700
(BLOCK ((L SYMBCL (LENGTH EXP))))	0121800
(RETURN (IF (OR (LS L 4) (NOT (EQ (REMAINDER L 2) 0))))	0121900
(COMLCK C) (LIST (QUOTE AND) (REL. (CADR EXP) (CDDR EXP))))))	0122000
(FUNCTION (REL. SYMBCL))	0122100
((A SYMBOL) (R SYMBCL))	0122200
(IF (NULL R))	0122300
(QUOTE TRUE))	0122400
(AND (CKREL. (CADR R)) (OR (NULL (CDDR R)) (OKREL. (CADDR R))))	0122500
(RELCON A (CADR R) R)	0122600
(BLOCK ((G SYMBCL (GENID))))	0122700
(RETURN (LIST (QUOTE BLOCK))	0122800
(List (List G (QUOTE ASSIGNED) (CADR R))))	0122900
(List (QUOTE RETURN) (RELCON A G R))))))	0123000
(FUNCTION (RELCON SYMBCL))	0123100
((A SYMBOL) (B SYMBCL) (C SYMBOL))	0123200
(LIST (QUOTE AND) (LIST (CAR C) A B) (REL. B (CDDR C))))	0123300
(FUNCTION (OKREL. SYMBCL))	0123400
((X SYMBOL)) (SIM (QUOTE (OR. A. V. (QUOTE S.)) X)))	0123500

****END OF FILE DETECTED

(SECTION (SECTION (COMPILE-SUPERV-SYS LISP) SYMBOL))	0000100
(HELP (DECLARE (INTLST SYMBOL FLUID))	0000200
(REALIST SYMBOL FLUID)	0000300
(SYMLST SYMBOL FLUID) (LOGLST SYMBOL FLUID))	0000400
FUNCTION (GVCLASS SYMBOL) ((X SYMBOL)) (GVCLAS X))	0000500
FUNCTION (GVCLAS SYMBOL) ((X SYMCL)) (CAR X))	0000600
FUNCTION (GVTYPE SYMBOL) ((X SYMCL)) (CADR X))	0000700
FUNCTION (GVREG SYMBOL) ((X SYMCL)) (CADDR X))	0000800
FUNCTION (GVADDR SYMBOL) ((X SYMCL)) (CADDNR X))	0000900
FUNCTION (GVIND SYMBOL) ((X SYMCL)) (CAR (CDDDR X)))	0001000
FUNCTION (GVBYTE SYMBOL) ((X SYMCL)) (CADR (CDDDR X)))	0001100
FUNCTION (GVBLT SYMBOL) ((X SYMCL)) (CADDR (CDDDR X)))	0001200
FUNCTION (GVINV SYMBOL) ((X SYMCL)) (CADDNR (CDDDR X)))	0001300
FUNCTION (VLIST SYMBOL)	0001400
NIL (LIST VCLASS VTYPE VREG VADDR VIND VBYTE VBLCT VINV))	0001500
FUNCTION (VSET SYMBOL)	0001600
((X SYMBOL))	0001700
(BLOCK NIL (SET VCLASS (GVCLAS X)))	0001800
(SET VTYPE (GVTYPE X))	0001900
(SET VREG (GVREG X))	0002000
(SET VADDR (GVADDR X))	0002100
(SET VIND (GVIND X))	0002200
(SET VBYTE (GVBYTE X))	0002300
(SET VBLCT (GVBLT X)) (SET VINV (GVINV X))))	0002400
FUNCTION (INHERIT SYMBOL)	0002500
((B SYMBOL))	0002600
(BLOCK ((A SYMBOL))	0002700
(SET A (UNION VBLCT (GVBLT B))) (VSET B) (SET VBLCT A)))	0002800
FUNCTION (LSTLST SYMBOL)	0002900
((LST SYMBOL)) (IF LST (SET LISTING (NCONC LST LISTING)) NIL))	0003000
FUNCTION (CLUNK SYMBOL) NIL (NCCNC (VLIST) (LIST LISTING)))	0003100
FUNCTION (RESTORE SYMBOL)	0003200
((X SYMBOL)) (BLOCK NIL (INHERIT X) (RETURN (LSTLST (LAST X)))))	0003300
(COMPILE (FUNCTION (COMTOP SYMBOL))	0003400
((X SYMBOL) (E SYMBOL))	0003500
(BLOCK ((VCLASS SYMBOL)	0003600
(VTYPE SYMBOL)	0003700
(VREG SYMBOL)	0003800
(VADDR SYMBOL)	0003900
(VIND SYMBOL)	0004000
(VBYTE SYMBOL) (VBLCT SYMBOL) (VINV SYMBOL) (LISTING SYMBOL))	0004100
(COMTOP X E) (RETURN (CLUNK))))	0004200
FUNCTION (CALCOMP SYMBOL)	0004300
((DV SYMBOL))	0004400
(BLOCK NIL (BLTTC))	0004500
(ATTACH (LIST (QUOTE CALL))	0004600
(CONS DV (QUOTE SYS)) (GETDEC DV (QUOTE SYS))))))	0004700
FUNCTION (CCMARGS SYMBOL)	0004800
NIL (BLCK ((L SYMBOL) (M SYMBOL))	0004900
(SET L EXP)	0005000
(SET M (LIST NIL))	0005100
TAG (IF (NULL (SET L (CDR L))) (RETURN M))	0005200
(BLOCK ((VCLASS SYMBOL)	0005300
(VTYPE SYMBOL)	0005400
(VREG SYMBOL)	0005500
(VADDR SYMBOL)	0005600
(VIND SYMBOL)	0005700
(VBYTE SYMBOL) (VBLCT SYMBOL) (VINV SYMBOL) (LISTING SYMBOL))	0005800
(COMEXP1 (CAR L)) (SET M (CONS (CLUNK) M)) GO1595) (GO TAG)))	0005900
FUNCTION (CCMTPF SYMBOL)	0006000
((XTYPE SYMBOL) (EXP SYMBOL))	0006100
(BLOCK ((SCLASS SYMBOL) (PCLASS SYMBOL) (TERGO SYMBOL))	0006200
(COMEXP EXP)	0006300

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(IF (EQN VCLASS (QUOTE DATUM))
  (GO DAT)
  (EQN XTYPE VTYPE)
  (RETURN NIL)
  (AND (EQN VTYPE (QUOTE OCTAL))
    (EQN XTYPE (QUOTE INTEGER)) (NOT VBYTE)) (GO OCTINT))
  XYZ (MOVACTIVE XTYPE (QUOTE AC) NIL)
  (RETURN NIL)
  CCTINT (SET VTYPE (QUOTE INTEGER))
  (RETURN NIL)
CAT (INHERIT (COMDAT (NCONC (VLIST) (QUOTE (NIL))))))
  (SET VADDR (CNVDATM VTYPE VADDR XTYPE)) (SET VTYPE XTYPE))
  (FUNCTION (CCMDAT SYMBOL))
    ((FORM SYMBOL))
    (BLOCK ((VCLASS SYMBOL)
      (VTYPE SYMBOL)
      (VBYTE SYMBOL)
      (VIND SYMBOL)
      (VBLT SYMBOL)
      (VREG SYMBOL) (VINV SYMBOL) (VACDR SYMBOL) (LISTING SYMBOL)))
      (RESTORE FCRM)
      (IF (MEMBER (QUOTE MINUS) VINV) (SET VADDR (MINUS VADDR)))
      (IF (MEMBER (QUOTE RECIP) VINV)
        (BLOCK NIL (SET VADDR (IQUOTIENT 1.0 VADDR)))
        (SET VTYPE (QUOTE REAL)) GO1596))
      (SET VINV NIL) (RETURN (CLUNK)))
    )
  )
  (FUNCTION (CCMEXP1 SYMBOL))
    ((EXP SYMBOL))
    (BLOCK ((PCLASS SYMBOL)
      (SCLASS SYMBOL) (TERGO SYMBOL) (XTYPE SYMBOL)))
      (RETURN (CCMEXP EXP)))
  )
  (FUNCTION (CCMLCK SYMBOL))
    ((NUM SYMBOL))
    (BLOCK NIL (IF (EQ (LENGTH EXP) NUM) (RETURN NIL))
      (COMER2 (CAR EXP) (QUOTE (WRONG NUM OF ARGS)))
      (INHERIT (QUOTE (DATUM INTEGER NIL 0 NIL NIL NIL NIL NIL NIL)))
      (RETURN TRUE)))
  )
  (FUNCTION (VINDEX SYMBOL))
    NIL (AND (EQN VCLASS (QUOTE LOC))
      (NOT VIND)
      (NOT VINV)
      (OR (NULL VBYTE)
        (EQN VBYTE (QUOTE RH))
        (AND (NOT (ATCM VBYTE))
          (EQ (CAR VBYTE) 0) (GR (CADR VBYTE) 23)))))
  )
  (FUNCTION (CCMCAR SYMBOL))
    ((B SYMBOL))
    (BLOCK NIL (IF (COMLCK 2) (RETURN NIL))
      (COMEXP1 (CADR EXP))
      (IF (EQN VTYPE (QUOTE SYMBOL)) (GO A))
      (COMER2 (CADR EXP) (QUOTE (NOT SYMBOL)))
      A (IF (VINDEX) (GO LCC))
      (MOVACTIVE (QUOTE SYMBOL) (QUOTE AC) NIL)
      (SET VCLASS (QUOTE LCC))
      (SET VADDR 0)
      (SET VBYTE B) (RETURN NIL) LOC (SET VIND TRUE) (SET VBYTE B)))
    )
    =TIMUM (FUNCTION (COMCPT SYMBOL))
    ((FRMLST SYMBOL)
      (ALGFCN (FUNCTIONAL SYMBOL))
      (MOVE (FUNCTIONAL SYMBOL SYMBOL))
      (MOVEP (FUNCTIONAL SYMBOL SYMBOL)) (MOVPD (FUNCTIONAL SYMBOL)))
    )
    (BLOCK ((LISTING SYMBOL)
      (VCLASS SYMBOL))
  )

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(VTYPE SYMBCL)	0012700
(VREG SYMBCL)	0012800
(VADDR SYMBCL)	0012900
(VIND SYMBCL)	0013000
(VBYTE SYMBCL)	0013100
(VBLDT SYMBOL)	0013200
(VINV SYMBCL)	0013300
(FORM SYMBCL) (LOCLST SYMBOL) (ACTLST SYMBOL) (TEM SYMBOL))	0013400
(SET ACTLST (LIST NIL))	0013500
(IF (NCT (SET FORM (CAR FRMLST))) (RETURN NIL))	0013600
A1 (IF (EQN (SET TEM (GVCLAS FCRM)) (QUOTE ACTIVE))	0013700
(GO B1)	0013800
(EQN TEM (QUOTE DATUM))	0013900
(GO C1) (AND (NOT (GVREG FORM)) (MOVEP FORM)) (GO C2))	0014000
(SET FCRM (MCVE FORM))	0014100
B1 (SET ACTLST (CONS FCRM ACTLST))	0014200
A2 (IF (SET FORM (CAR (SET FRMLST (CDR FRMLST)))))	0014300
(GO A1)	0014400
(SET FORM (CAR ACTLST)) (GO D1) (CDR LOCLST) (GO E1))	0014500
RET (RETURN (LIST (VLIST) LISTING))	0014600
C1 (SET FORM (COMDAT FCRM))	0014700
C2 (RESTORE FORM)	0014800
(SET (CAR (CDDDR (CDDDR FORM))) NIL)	0014900
(SET LCCLST (CCNS FCRM LOCLST))	0015000
(GO A2)	0015100
E1 (INHERIT (QUOTE (NIL NIL NIL NIL NIL NIL NIL NIL)))	0015200
(ALGFCN)	0015300
(GO RET)	0015400
D1 (RESTORE FORM)	0015500
(IF LOCLST (ALGFCN))	0015600
(IF (NCT (SET FORM (CAR (SET ACTLST (CDR ACTLST)))))) (GO RET))	0015700
(SET LCCLST (LIST (MCVPDL))) (GO D1))	0015800
(FUNCTION (CCMARI SYMBOL))	0015900
(DATUM SYMBOL)	0016000
(LST SYMBOL)	0016100
(FCN (FUNCTIONAL SYMBOL SYMBOL SYMBOL))	0016200
(IALGFCN SYMBOL)	0016300
(IMOVE SYMBOL)	0016400
(IMOVEP SYMBOL)	0016500
(IMOVPCD SYMBOL)	0016600
(RALGFCN SYMBOL)	0016700
(RMOVE SYMBOL) (RMGVEP SYMBOL) (RMGVPDL SYMBOL))	0016800
(BLOCK ((INTLST SYMBOL))	0016900
(REALST SYMBOL)	0017000
(SYMLST SYMBOL)	0017100
(DATA SYMBOL) (TEM SYMBOL) (TYPE SYMBOL) (FORM SYMBOL))	0017200
(IF (GR (SET TEM (LENGTH LST)) 2)	0017300
(GO MANY) (NOT (EQUALN TEM 1)) (GO ARG1))	0017400
(COMERR (QLCTE (0 ARG TO ARITH)))	0017500
NRET (RETURN (LIST NIL))	0017600
ARG1 (IF (EQN (GVCLAS (CAR LST)) (QUOTE DATUM))	0017700
(SET (CAR LST) (COMDAT (CAR LST))))	0017800
(RESTORE (CAR LST))	0017900
(GO NRET)	0018000
MANY (SET DATA DATUM)	0018100
(SET INTLST (SET REALST (SET SYMLST (LIST NIL))))	0018200
PARC (SET TYPE (GVTYPE (SET FORM (CAR LST))))	0018300
(IF (EQN (GVCLAS FCRM) (QUOTE DATUM))	0018400
(BLOCK NIL (IF (NUMBP (GVADDR FCRM)) (GO XYZ))	0018500
(COMER2 (GVADDR FCRM) (QUOTE (IS NON NUM DATA IN ARITH)))	0018600
(GO G01597)	0018700
XYZ (RESTORE (SET FORM (COMDAT FCRM)))	0018800
(SET DATA (FCN DATA (GVADDR FCRM))) G01597)	0018900

(EQN TYPE (QUOTE SYMBOL))	C019000
(SET SYMLST (CONS FORM SYMLST))	C019100
(OR (EQN TYPE (QUOTE REAL)) (MEMBER (QUOTE RECIP) VINV))	C019200
(SET REALST (CONS FORM REALST))	C019300
(MEMBER TYPE (QUOTE (INTEGER OCTAL)))	C019400
(SET INTLST (CONS FORM INTLST))	C019500
(COMER2 TYPE (QUOTE (TYPE ARG TC ARITH))))	C019600
(IF (CAR (SET LST (CDR LST))))	C019700
(GO PARC)	C019800
(EQ DATA DATUM)	C019900
(GO ND)	C020000
(FIXP DATA)	C020100
(SET INTLST (CONS (LIST (QUOTE DATUM) (QUOTE INTEGER) NIL DATA NIL NIL VBLT NIL NIL) INTLST))	C020200
(SET REALST (CONS (LIST (QUOTE DATUM) (QUOTE REAL) NIL DATA NIL NIL VBLT NIL NIL) REALST)))	C020300
ND (SET INTLST (CCMCPT INTLST IALGFCN IMOVE IMOVEP IMOVPEL))	C020400
(IF (NCT (CAR REALST))	C020500
(IF INTLST (GC INTUP) (GO NOUP))	C020600
INTLST (BLCK ((VCLASS SYMBOL) (VTYPE SYMBOL) (VADDR SYMBOL) (VREG SYMBOL) (VIND SYMBOL) (VBYTE SYMBOL) (VBLT SYMBOL) (VINV SYMBOL) (LISTING SYMBOL))	C020700
(VSET (CAR INTLST))	C020800
(SET LISTING (CADR INTLST))	C020900
(MOVACTIVE (QUOTE REAL) (QUOTE AC) NIL)	C021000
(SET REALST (CONS (CLUNK) REALST)) G01598))	C021100
(SET REALST (CCMOPT REALST RALGFCN RMOVE RMOVEP RMOPD))	C021200
REALUP (LSTLST (CADR REALST))	C021300
(INHERIT (CAR REALST))	C021400
(RETURN SYMLST)	C021500
INTUP (SET REALST INTLST)	C021600
(GO REALUP)	C021700
NOUP (INHERIT (QUOTE (NIL NIL NIL NIL NIL NIL NIL NIL)))	C021800
(RETURN SYMLST)))	C021900
(CCMLHP (INSTRUCTIONS ((FLCAT . LISP) NOVALUE) NIL (BLCK NIL (IF (CCMLCK 2) (RETURN NIL)) (COMTYP (QUOTE INTEGER) (CADR EXP)) (MOVACTIVE (QUOTE REAL) (QUOTE AC) NIL))))	C022000
(INSTRUCTIONS ((PROP . LISP) NOVALUE) NIL (COMCAR (QUOTE (. 18))))	C022100
(INSTRUCTIONS ((CAR . LISP) NOVALUE) NIL (COMCADR (QUOTE (24 18)))))	C022200
(INSTRUCTIONS ((CDR . LISP) NOVALUE) NIL (COMCADR (QUOTE (. 24))))	C022300
(FUNCTION ((COMCADR . COMPILE) SYMBOL))	C022400
((X SYMBOL))	C022500
(BLOCK ((EXP FLLID (IF (DEBUGGING) (List (CAR EXP) (CCNS (QUOTE (ATMCHK . DEBUG)) (CDR EXP))) EXP)))	C022600
(RETURN (CCMCAR X))))	C022700
(INSTRUCTIONS ((BIT . LISP) NOVALUE) NIL (BLCK ((NB SYMBOL) (EL SYMBOL)) (IF (CCMLCK 4) (RETURN NIL) (AND (NUMBP (CADR EXP)) (NUMBP (CADDR EXP))) (GO CK)) (RETURN (CCMEXP (CONS (QUOTE (BITS . SYS)) (CDR EXP)))) CK (COMTYP (QUOTE OCTAL) (CADDR EXP)) (IF VINV (MOVACTIVE VTYPE (QUOTE AC) NIL)) (SET VBYTE (WHATBITS VBYTE)) (IF (AND (LS (SET NB (PLUS (CADR EXP) (CAR VBYTE))) 48) (LS (PLUS NB (SET EL (CADDR EXP))) 49) (LS EL (PLUS 1 (CADR VBYTE)))) (GO FIN))	C022800
(C022900 (C023000 (C023100 (C023200 (C023300 (C023400 (C023500 (C023600 (C023700 (C023800 (C023900 (C024000 (C024100 (C024200 (C024300 (C024400 (C024500 (C024600 (C024700 (C024800 (C024900 (C025000 (C025100 (C025200	

(MOVACTIVE VTYPE (QUOTE AC) NIL)
(SET VBYTE (LIST (CADR EXP) (CADDR EXP)))
(RETURN NIL) FIN (SET VBYTE (LIST NB EL))))
IMER (MACRO ((RECIP . LISP) SYMBOL))
((EXP SYMBOL))
(IF (COMLCK 2) NIL (LIST (QUOTE QUOTIENT) 1.0 (CADR EXP))))
(INSTRUCTIONS ((IQUOTIENT . LISP) NOVALUE)
NIL (BLCK NIL (DIVIDE. (QUOTE INTEGER) (QUOTE LDA)))
(ATTACH (QUOTE (MUL 1 (L567.7 R S))))
(ATTACH1 (CONS (QUOTE DVD))
 (MOVARG (QUOTE INTEGER) (QUOTE AC) NIL (QUOTE LDA))))
 (INHERIT (QUOTE (ACTIVE INTEGER AC NIL NIL NIL (AC B) NIL))))
(INSTRUCTIONS ((QUOTIENT . LISP) NOVALUE)
NIL (BLCK NIL (DIVIDE. (QUOTE REAL) (QUOTE FAD)))
(ATTACH1 (CONS (QUOTE FDV))
 (MOVARG (QUOTE REAL) (QUOTE AC) NIL (QUOTE FAD))))
 (INHERIT (QUOTE (ACTIVE REAL AC NIL NIL NIL (AC B) NIL))))
(INSTRUCTIONS ((TIMES . LISP) NOVALUE)
NIL (BLOCK ((TYPE SYMBOL))
 (PARITY SYMBOL) (FCRM SYMBOL) (SYM SYMBOL))
(SET SYM (COMARI 1 (COMARGS))
 (STIMS . SYS))
 MPIALG PLSMOV PLIMVP PLSPDL MPRALG PLSMOV PLRMVP PLSPDL))
(IF VCLASS (IF (SET FORM (CAR SYM)) (GO TIM) (RETURN NIL))
 (CAR SYM) (GO INT))
 (INHERIT (QUOTE (DATUM INTEGER NIL 1 NIL NIL NIL NIL)))
(RETURN NIL)
 INT (RESTORE (CAR SYM))
LOOP (IF (NOT (SET FORM (CAR (SET SYM (CDR SYM)))))
 (RETURN NIL))
TIM (ATTACH (QUOTE (ARGS)))
(SET TYPE VTYPE)
(IF (EQN VTYPE (QUOTE SYMBOL)) (GO ST))
(MOVPDS VTYPE NIL)
(INHERIT FCRM)
(SET PARITY VINV)
AT (SET VINV NIL)
(LSTLST (LAST FORM))
(MOVACTIVE (QUOTE SYMBOL) (QUOTE AC) NIL)
(CALCOMP (IF (EQN TYPE (QUOTE SYMBOL))
 (QUOTE STIMS))
 (EQN TYPE (QUOTE REAL)) (QUOTE STIMR) (QUOTE STIMI)))
(INHERIT (QUOTE (ACTIVE NIL AC NIL NIL NIL NIL)))
(BLOTT)
(SET VINV PARITY)
(SET VTYPE (IF (EQN TYPE (QUOTE REAL)) TYPE (QUOTE SYMBOL)))
(GO LCCP)
ST (SET PARITY VINV)
(SET VINV NIL)
(MOVPDS VTYPE NIL)
(INHERIT FCRM)
(SET PARITY (IF (NOT (EQ (MEMBER (QUOTE MINUS) VINV)
 (MEMBER (QUOTE MINUS) PARITY))) (QUOTE (MINUS)) NIL))
(GO AT))
(FUNCTION (DIVIDE. SYMBOL))
((XTYPE SYMBOL) (INST SYMBOL))
(BLOCK ((X SYMBOL))
 (IF (COMLCK 3) (RETURN (CLUNK)))
 (COMTYP XTYPE (CADDR EXP))
 (IF (OR VREG VINV (NOT (EXHOCKY INST NIL))) (MOVPDS XTYPE NIL))
(SET X (VLIST))
 (COMVAL (CADR EXP) XTYPE NIL (QUOTE AC)) (INHERIT X))
(FUNCTION (MPYALG SYMBOL))

((TYPE SYMBOL))	(XREG SYMBOL)	(INST SYMBOL))	0031600
(BLOCK ((PARITY SYMBOL)))			0031700
(IF (NOT VCLASS))			0031800
(BLOCK NIL (INHERIT (CAR LOCLST)))			0031900
(SET LOCLST (CDR LOCLST))	(GO1599))		0032000
LCOP (IF (NOT (AND (FULLW VBYTE)			0032100
(EQN VCLASS (QUOTE ACTIVE))	(EQN (QUOTE AC) VREG)))		0032200
(MOVACTIVE VTYPE (QUOTE AC) NIL))			0032300
(SET PARITY (IF (EQ (MEMBER (QUOTE MINUS) VINV)			0032400
(MEMBER (QUOTE MINUS) (GVINV (CAR LOCLST))))			0032500
NIL (QUOTE (MINUS))))			0032600
(INHERIT (CAR LOCLST))			0032700
(ATTACH1 (CCNS INST (MCVARG (IF (EQN TYPE (QUOTE INTEGER))			0032800
VTYPE TYPE) (QUOTE AC) NIL (QUOTE LDA))))			0032900
(INHERIT (QUOTE (ACTIVE NIL NIL NIL NIL NIL (AC B) NIL)))			0033000
(SET VINV PARITY)			0033100
(SET VREG XREG)			0033200
(SET VTYPE TYPE) (IF (SET LOCLST (CDR LOCLST)) (GO LOOP)))			0033300
(FUNCTION (MPIALG SYMBOL))			0033400
NIL (MPYALG (QUOTE INTEGER) (QUOTE B) (QUOTE MUL)))			0033500
(FUNCTION (MPRALG SYMBOL))			0033600
NIL (MPYALG (QUOTE REAL) (QUOTE AC) (QUOTE FMP)))			0033700
(ACDER (INSTRUCTIONS ((PLUS . LISP) NOVALUE))			0033800
NIL (BLOCK ((SYM SYMBOL))			0033900
(FORM SYMBOL)			0034000
(VPS SYMBOL) (VPT SYMBOL) (VAS SYMBOL) (PTYPE SYMBOL))			0034100
(SET SYM (COMARI 0 (COMARGS))			0034200
(SPLUS . SYS)			0034300
PLIALG PLSMOV PLIMVP PLSPDL PLRALG PLSMOV PLRMVP PLSPDL))			0034400
(IF VCLASS (IF (SET FORM (CAR SYM)) (GO PLU) (RETURN NIL))			0034500
(CAR SYM) (GO COP))			0034600
(INHERIT (QUOTE (DATUM INTEGER NIL 0 NIL NIL NIL NIL)))			0034700
(RETURN NIL)			0034800
COP (RESTORE (CAR SYM))			0034900
LOOP (IF (NOT (SET FORM (CAR (SET SYM (CDR SYM)))))			0035000
(RETURN NIL))			0035100
PLU (ATTACH1 (LIST (QUOTE ARGS)))			0035200
(MOVPD VTYPE NIL)			0035300
(SET PTYPE (SET VPT VTYPE))			0035400
(SET VPS (IF (MEMBER (QUOTE MINUS) VINV) FALSE 1))			0035500
(RESTORE FCRM)			0035600
(SET VAS (IF (MEMBER (QUOTE MINUS) VINV) FALSE 1))			0035700
(SET VPT (IF (EQN VPT (QUOTE SYMBOL))			0035800
(QUOTE (SPLUS SMINS))			0035900
(EQN VPT (QUOTE REAL))			0036000
(QUOTE (SPLUR SMINR)) (QUOTE (SPLUI SMINI)))			0036100
(SET VPT (IF (EQUALN VPS VAS) (CAR VPT) (CADR VPT)))			0036200
(SET VINV (IF (MEMBER (QUOTE RECIP) VINV) (QUOTE (RECIP)) NIL))			0036300
(MOVACTIVE (QUOTE SYMBOL) (QUOTE AC) NIL)			0036400
(IF (EQN PTYPE (QUOTE REAL)) (SET VTYPE (QUOTE REAL)))			0036500
(CALCOMP VPT) (GO LCP))			0036600
(FUNCTION (MCVPRC SYMBOL))			0036700
((FORM SYMBOL) (I SYMBOL))			0036800
(BLOCK ((VCLASS SYMBOL))			0036900
(VTYPE SYMBOL)			0037000
(VREG SYMBOL)			0037100
(VADDR SYMBOL)			0037200
(VBYTE SYMBOL)			0037300
(VBLT SYMBOL) (VINV SYMBOL) (VIND SYMBOL) (LISTING SYMBOL))			0037400
(VSET FORM) (RETURN (EXHOCKY I NIL)))			0037500
(FUNCTION (PLIMVP SYMBOL))			0037600
((FORM SYMBOL)) (MOVPRD FORM (QUOTE LDA)))			0037700
(FUNCTION (PLRMVF SYMBOL))			0037800

((FORM SYMBOL))	(MOVPRD FORM (QUOTE FAD))	0037900
(FUNCTION (PLSMOV SYMBOL))		0038000
((FORM SYMBOL))		0038100
(BLOCK ((LISTING SYMBOL)))		0038200
(RESTORE FCRM)		0038300
(MOVACTIVE VTYPE (QUOTE AC) NIL)	(RETURN (CLUNK)))	0038400
(FUNCTION (PLSPDL SYMBOL))		0038500
NIL (BLCK ((TEM SYMBOL) (BYTE SYMBOL)))		0038600
(SET TEM (VLIST))		0038700
(SET BYTE (IF (BLOCK ((LISTING SYMBOL))		0038800
(MOVPS VTYPE VBYTE)		0038900
(RETURN (EXFOCKY (IF (EQN (QUOTE REAL) VTYPE)		0039000
(QUOTE FAD) (QUOTE LDA)) NIL))) VBYTE NIL))		0039100
(VSET TEM)		0039200
(MOVPS VTYPE BYTE)	(RETURN (NCCNC (VLIST) (LIST NIL))))	0039300
(FUNCTION (PLSALG SYMBOL))		0039400
((TYPE SYMBOL) (BLCT SYMBOL) (ADD SYMBOL) (SUB SYMBOL))		0039500
(BLOCK ((ACS SYMBOL) (LCS SYMBOL))		0039600
(IF VCLASS (GO TAG))		0039700
(INHERIT (CAR LOCLST))		0039800
(SET LOCLST (CCR LOCLST))		0039900
TAG (MCVACTIVE TYPE (QUOTE AC) NIL)		0040000
(SET ACS (IF (MEMBER (QUOTE MINUS) VINV)		0040100
(QUOTE (MINUS)) FALSE))		0040200
LOOP (INHERIT (CAR LOCLST))		0040300
(SET LCS (IF (MEMBER (QUOTE MINUS) VINV) (QUOTE (MINUS)) FALSE))		0040400
(ATTACH1 (CONS (IF (EQN ACS LCS) ADD SUB)		0040500
(MOVARG (IF (EQN TYPE (QUOTE INTEGER)) VTYPE TYPE)		0040600
(QUOTE AC) NIL (QUOTE LDA))))		0040700
(IF (SET LOCLST (CCR LOCLST)) (GO LOOP))		0040800
(INHERIT (LIST (QUOTE ACTIVE)		0040900
TYPE (QUOTE AC) NIL NIL NIL BLCT ACS)) (RETURN NIL))		0041000
(FUNCTION (PLIALG SYMBOL))		0041100
NIL (PLSALG (QUOTE INTEGER))		0041200
(QUOTE (AC)) (QUOTE ADD) (QUOTE SUB))		0041300
(FUNCTION (PLRALG SYMBOL))		0041400
NIL (PLSALG (QUOTE REAL) (QUOTE (AC B)) (QUOTE FAD) (QUOTE FSB))		0041500
(FUNCTION (MINUS1 SYMBOL) ((J SYMBOL)) (MINUS J))		0041600
(FUNCTION (CCMINV SYMBOL))		0041700
((INV SYMBOL) (CTH SYMBOL) (FCN (FUNCTIONAL SYMBOL SYMBOL)))		0041800
(BLOCK NIL (IF (COMLCK 2) (RETURN NIL))		0041900
(COMEXP1 (CADR EXP))		0042000
(IF (EQN VCLASS (QUOTE DATUM))		0042100
(GO DAT)		0042200
(MEMBER VTYPE (QUOTE (OCTAL INTEGER REAL SYMBOL))) (GO NUM))		0042300
(COMERR (QUOTE (NCN NUM ARG TO INV)))		0042400
(RETURN NIL)		0042500
NUM (IF (NCT (FULLW VBYTE)) (MCVACTIVE VTYPE (QUOTE AC) NIL))		0042600
(IF (EQN VTYPE (QUOTE OCTAL)) (SET VTYPE (QUOTE INTEGER)))		0042700
(SET VINV (IF (MEMBER INV VINV) NIL (LIST INV)))		0042800
(RETURN NIL)		0042900
CAT (IF (NLMBP VADDR) (GO DAT1))		0043000
(COMER2 (CADR EXP) (QUOTE (NON NUM DATA TO INV)))		0043100
(RETURN NIL)		0043200
CAT1 (IF (EQ (SET VADDR (FCN VADDR)) 0)		0043300
(SET VADDR (ITYPE VTYPE))) (INHERIT (COMDAT (CLUNK))))		0043400
(MACRO ((DIFFERENCE . LISP) SYMBOL))		0043500
((EXP SYMBOL))		0043600
(IF (COMLCK 3)		0043700
C (LIST (QUOTE PLUS)		0043800
(CADR EXP) (LIST (QUOTE MINUS) (CADDR EXP))))		0043900
(INSTRUCTIONS ((MINUS . LISP) NOVALUE)		0044000
NIL (COMINV (QUOTE MINUS) (QUOTE RECIP) MINUS1))		0044100

(INSTRUCTIONS ((ABS . LISP) NOVALUE))	0044200
NIL (BLCCK ((Y SYMBOL)))	0044300
(IF (CCMLCK 2) (RETURN NIL))	0044400
START (COMEXP1 (CADR EXP))	0044500
(IF (EQN (QUOTE DATUM) VCLASS))	0044600
(GO DAT)	0044700
(EQN VTYPE (QUOTE SYMBOL))	0044800
(GO SYM)	0044900
(MEMBER VTYPE (QUOTE (OCTAL INTEGER REAL))) (GO NUM))	0045000
ERR (CCMERR (QUOTE (NON NUM ARG TO ABS)))	0045100
(RETURN NIL)	0045200
CAT (IF (NCT (NUMBP VADDR)) (GO ERR))	0045300
(INHERIT (COMDAT (CLUNK)))	0045400
(SET VADDR (ABS VADDR))	0045500
(RETURN NIL)	0045600
SYM (ATTACH (QUOTE (ARGS)))	0045700
(MOVACTIVE (QUOTE SYMBCL) (QUOTE AC) NIL)	0045800
(CALCOMP (QUOTE SYMABS))	0045900
(GO HOME)	0046000
NUM (IF (NCT (SET Y (MCVARG VTYPE (QUOTE AC) NIL (QUOTE LDA))))	0046100
(SET Y (QUOTE (A.))))	0046200
(ATTACH (CCNS (QUOTE LDM) Y))	0046300
(INHERIT (LIST (QUOTE ACTIVE)	0046400
VTYPE (QUOTE AC) NIL NIL NIL (QUOTE AC) VINV))	0046500
HOME (SET VINV (IF (MEMBER (QUOTE RECIP) VINV)	0046600
(QUOTE RECIP) NIL)))	0046700
(INSTRUCTIONS ((SIGN . LISP) NOVALUE))	0046800
NIL (BLCCK NIL (IF (CCMLCK 2) (RETURN NIL))	0046900
(COMEXP1 (CADR EXP))	0047000
(MOVACTIVE VTYPE (QUOTE AC) NIL)	0047100
(IF (EQN VTYPE (QUOTE SYMBCL))	0047200
(GO S)	0047300
(MEMBER VTYPE (QUOTE (FUNCTIONAL BOOLEAN)))	0047400
(COMERR (QUOTE (ILEG TYP TO SIGN))))	0047500
(ATTACH (QUOTE (BOZ (D. 4))))	0047600
(ATTACH (QUOTE (PER 0 0 43Q)))	0047700
(ATTACH (QUOTE (LDA B.)))	0047800
(ATTACH (QUOTE (CON I (R L7.7 3Q5))))	0047900
B (INHERIT (QUOTE (ACTIVE INTEGER AC NIL NIL NIL NIL NIL)))	0048000
(RETURN NIL)	0048100
S (ATTACH (QUOTE (ARGS))) (CALCCMP (QUOTE SYMSGN)) (GO B)))	0048200
(CHEAT (FUNCTION (CHIZLE SYMBOL)	0048300
((FROM SYMBCL) (TO SYMBCL))	0048400
(BLOCK NIL (IF (COMLCK 2) (RETURN NIL))	0048500
(COMTYP FRCM (CADR EXP))	0048600
(IF (EQN VCLASS (QUOTE DATUM)) (MOVACTIVE VTYPE (QUOTE AC) NIL))	0048700
(IF (AND (CR (EQN FRCM (QUOTE INTEGER))	0048800
(EQN TO (QUOTE INTEGER)) (EQN TC (QUOTE REAL))) VBYTE)	0048900
(MOVACTIVE VTYPE (QUOTE AC) NIL))	0049000
CAT (SET VTYPE TO) (RETURN NIL))	0049100
(FUNCTION (FTYPEP SYMBCL))	0049200
((X SYMBOL))	0049300
(IF (FTYPP X))	0049400
NIL (BLOCK NIL (COMER2 X (QUOTE (NCT A TYPE))))	0049500
(INHERIT (QUOTE (DATUM OCTAL NIL 0 NIL NIL NIL NIL)))	0049600
(RETURN TRUE)))	0049700
(INSTRUCTIONS ((CORE . LISP) NOVALUE))	0049800
NIL (BLECK NIL (IF (CCMLCK 2) (RETURN NIL))	0049900
(COMEXP1 (CADR EXP))	0050000
(IF (EQN (QUOTE DATUM) VCLASS))	0050100
(GO DAT)	0050200
(AND (OR (EQN VTYPE (QUOTE INTEGER)) (EQN (QUOTE CCTAL) VTYPE))	0050300
(VINDX)) (GO LOC))	0050400

XYZ (MCVACTIVE (QUOTE INTEGER) (QUOTE AC) NIL)	C050500
(INHERIT (QUOTE (LOC OCTAL AC 0 NIL NIL NIL NIL)))	C050600
(RETURN NIL)	C050700
LOC (SET VTYPE (QUOTE OCTAL))	C050800
(SET VIND TRUE)	C050900
(SET VBYTE NIL)	C051000
(RETURN NIL)	C051100
CAT (INHERIT (COMDAT (VLIST)))	C051200
(SET VADDR (CNVDATM VTYPE VADDR (QUOTE INTEGER)))	0051300
(SET VCLASS (QUOTE LOC)) (SET VTYPE (QUOTE OCTAL)))	0051400
(INSTRUCTIONS ((CHEAT . LISP) NOVALUE)	0051500
NIL (IF (CR (COMLCK 4)	C051600
(FTYPEP (CADR EXP)) (FTYPEP (CADDR EXP)))	0051700
NIL (BLOCK ((X SYMBOL EXP) (EXP SYMBOL (CDR EXP)))	C051800
(RETURN (CHIZLE (CADR X) (CADER X))))))	0051900
(INSTRUCTIONS ((DRIVE . LISP) NOVALUE)	0052000
NIL (IF (CR (COMLCK 3) (FTYPEP (CADR EXP)))	0052100
NIL (CCMTYP (CADR EXP) (CADDR EXP))))	0052200
(INSTRUCTIONS ((CURRENTRY . LISP) NCVALUE)	0052300
NIL (IF (COMLCK 2)	C052400
NIL (BLOCK NIL (INHERIT (QUOTE (LOC OCTAL NIL NIL NIL NIL NIL NIL NIL)))	C052500
) (SET VADDR (CONS (QUOTE ENTRY) (CDR EXP))))))	0052600
(INSTRUCTIONS ((ENTRY . LISP) NOVALUE)	0052700
NIL (IF (COMLCK 2)	C052800
NIL (BLOCK NIL (ATTACH (CONS (QUOTE LDA)	0052900
(LIST EXP (QUOTE (L567.7 R))))))	0053000
(INHERIT (QUOTE (ACTIVE OCTAL AC NIL NIL NIL NIL NIL NIL))))))	0053100
(INSTRUCTIONS ((S20. . LISP) NOVALUE)	0053200
NIL (CHIZLE (QUOTE SYMBOL) (QUOTE OCTAL)))	0053300
(INSTRUCTIONS ((R20. . LISP) NOVALUE)	C053400
NIL (CHIZLE (QUOTE REAL) (QUOTE OCTAL)))	0053500
(INSTRUCTIONS ((B20. . LISP) NOVALUE)	0053600
NIL (CHIZLE (QUOTE BOOLEAN) (QUOTE OCTAL)))	0053700
(INSTRUCTIONS ((I20. . LISP) NCVALUE)	C053800
NIL (CHIZLE (QUOTE INTEGER) (QUOTE OCTAL)))	0053900
(INSTRUCTIONS ((F20. . LISP) NOVALUE)	0054000
NIL (CHIZLE (QUOTE FUNCTIONAL) (QUOTE OCTAL)))	0054100
(INSTRUCTIONS ((C2S. . LISP) NOVALUE)	C054200
NIL (CHIZLE (QUOTE OCTAL) (QUOTE SYMBOL)))	0054300
(INSTRUCTIONS ((C2R. . LISP) NOVALUE)	0054400
NIL (CHIZLE (QUOTE OCTAL) (QUOTE REAL)))	0054500
(INSTRUCTIONS ((C2B. . LISP) NOVALUE)	0054600
NIL (CHIZLE (QUOTE OCTAL) (QUOTE BOOLEAN)))	0054700
(INSTRUCTIONS ((C2I. . LISP) NOVALUE)	0054800
NIL (CHIZLE (QUOTE OCTAL) (QUOTE INTEGER)))	0054900
(INSTRUCTIONS ((C2F. . LISP) NOVALUE)	C055000
NIL (CHIZLE (QUOTE OCTAL) (QUOTE FUNCTIONAL))))	0055100
(WCRCDS (MACRO ((INVERT . LISP) SYMBOL)	0055200
((EXP SYMBOL))	0055300
(IF (COMLCK 2)	0055400
NIL (LIST (QUOTE WORDXOR) 7777777777777777Q (CADR EXP))))	0055500
(INSTRUCTIONS ((WORDOR . LISP) NCVALUE)	0055600
NIL (COMWRD 0Q (QUOTE ORA)	C055700
(FUNARG SYMBOL ((A SYMBOL) (B SYMBOL)) (WORDOR A B))))	0055800
(INSTRUCTIONS ((WORDAND . LISP) NCVALUE)	0055900
NIL (COMWRD 7777777777777777Q (QUOTE ANDA))	C056000
(FUNARG SYMBOL ((A SYMBOL) (B SYMBOL)) (WORDAND A B))))	0056100
(INSTRUCTIONS ((WORDXOR . LISP) NCVALUE)	0056200
NIL (COMWRD 0Q (QUOTE XCR)	0056300
(FUNARG SYMBOL ((A SYMBOL) (B SYMBOL)) (WORDXOR A B))))	0056400
(FUNCTION (WRDHLP SYMBOL)	C056500
((LST SYMBOL))	0056600
(COMOPT LST (FUNCTION (G01600 SYMBOL))	0056700

NIL (BLOCK NIL (IF VCLASS (GO TAG)))	0056800
(INHERIT (CAR LOCLST))	0056900
(SET LOCLST (CDR LOCLST))	0057000
TAG (MCVACTIVE (QUOTE OCTAL) (QUOTE AC) NIL)	0057100
LOP (INHERIT (CAR LOCLST))	0057200
(ATTACH1 (CONS INSTRUCTION (MCVARG (QUOTE OCTAL) (QUOTE AC) NIL (QUOTE LDA))))	0057300
(IF (SET LOCLST (CDR LOCLST)) (GC LOP))	0057400
(INHERIT (QUOTE (ACTIVE OCTAL AC NIL NIL NIL (AC) NIL))))	0057500
PLSMCV (FUNCTION (GO1601 SYMBOL))	0057600
((FORM SYMBOL))	0057700
(AND (NCT (GVBYTE FORM)) (MOVPRD FORM (QUOTE LDA))))	0057800
(FUNCTION (GO1602 SYMBOL))	0057900
NIL (BLOCK NIL (MCVPDS (QUOTE CCTAL) NIL))	0058000
(RETURN (NCONC (VLIST) (LIST NIL))))	0058100
(FUNCTION (CCMWRC SYMBOL))	0058200
((IDATA SYMBOL))	0058300
(INSTRUCTION SYMBOL) (LOGFCN (FUNCTIONAL SYMBOL SYMBOL SYMBOL)))	0058400
(BLOCK ((TEM SYMBOL))	0058500
(LST SYMBOL) (DATA SYMBOL) (EX SYMBOL) (DATLST SYMBOL))	0058600
(SET DATA IDATA)	0058700
(SET LST (QUOTE (NIL)))	0058800
(IF (EQ (LENGTH EXP) 1) (GO NOARG))	0058900
(SET EX EXP)	0059000
LOOP (IF (NULL (SET EX (CDR EX))) (GO BEG))	0059100
(SET TEM (CAR EX))	0059200
(BLOCK ((VCLASS SYMBOL))	0059300
(VTYPE SYMBOL)	0059400
(VREG SYMBOL)	0059500
(VADDR SYMBOL)	0059600
(VIND SYMBOL) (VBYTE SYMBOL) (VINV SYMBOL) (LISTING SYMBOL))	0059700
(COMTYP (QUOTE OCTAL) TEM)	0059800
(IF (EQN (QUOTE DATUM) VCLASS) (GO DAT))	0059900
(SET LST (CCNS (CLUNK) LST))	0060000
(GO GO1603)	0060100
DAT (SET DATA (LOGFCN DATA VADDR))	0060200
(SET DATLST (NCONC DATLST LISTING)) GO1603)	0060300
(GO LOCP)	0060400
BEG (LSTLST DATLST)	0060500
(IF (NCT (EQUALN DATA IDATA))	0060600
(SET LST (CCNS (LIST (QUOTE DATUM) (QUOTE CCTAL) NIL DATA NIL NIL NIL NIL NIL) LST)))	0060700
(SET LST (WRDHLB LST))	0060800
(IF LST (GC FIN))	0060900
NOARG (INHERIT (LIST (QUOTE DATUM) (QUOTE OCTAL) NIL IDATA NIL NIL NIL NIL NIL))	0061000
(RETURN NIL) FIN (INHERIT (CAR LST)) (LSTLST (CADR LST))))	0061100
(ASSIGN (FUNCTION (SET. SYMBOL))	0061200
((X SYMBOL))	0061300
(MOVLOC (GVTYPE X) (GVADDR X) (GVREG X) (GVIND X) (GVBYTE X))	0061400
(FUNCTION (ECTYPE SYMBOL))	0061500
((A SYMBOL) (B SYMBOL))	0061600
(IF (EQN A B)	0061700
A (OR (AND (EQN (QUOTE OCTAL) A) (EQN (QUOTE INTEGER) B)) (AND (EQN (QUOTE INTEGER) A) (EQN (QUOTE OCTAL) B)))	0061800
(QUOTE OCTAL) NIL))	0061900
((FUNCTION (FULLP SYMBOL))	0062000
((TYP SYMBOL) (BYTE SYMBOL))	0062100
(BLOCK ((X SYMBOL))	0062200
(RETURN (OR (FLLW BYTE) (AND (EQN (QUOTE SYMBOL) TYP) (IGR (SET X (CADR (WHATBITS BYTE)))) 17) (EQ (REMAINDER X 6) 0))))	0062300
	0062400
	0062500
	0062600
	0062700
	0062800
	0062900
	0063000

(INSTRUCTIONS ((SET . LISP) NOVALUE))	0063100
NIL (BLCK ((X SYMBOL) (XBLOT SYMBOL) (TYP SYMBOL) (FREG SYMBOL)))	0063200
(IF (CCMLCK 3) (RETURN NIL))	0063300
(BLOCK ((VCLASS SYMBOL))	0063400
(VTYPE SYMBOL)	0063500
(VREG SYMBOL)	0063600
(VADDR SYMBOL)	0063700
(VIND SYMBOL)	0063800
(VINV SYMBOL) (VBLCT SYMBOL) (VBYTE SYMBOL) (LISTING SYMBOL))	0063900
(COMEXP1 (CADDR EXP)) (SET X (CLUNK)) GO1604)	0064000
(IF (AND (EQN (GVCLAS X) (QUOTE LOC)) (NOT VINV)) (GO BEG))	0064100
(COMER2 (CADDR EXP) (QUOTE (NON LCC 1 ARG TO SET)))	0064200
(INHERIT (QUOTE (DATUM OCTAL NIL 0Q NIL NIL NIL NIL)))	0064300
(RETURN NIL)	0064400
BEG (SET FREG (IF (NOT (MEMBER (QUOTE AC)	0064500
(SET XBLCT (GVBLCT X))))	0064600
(QUOTE AC))	0064700
(NOT (MEMBER (QUOTE B) XBLCT))	0064800
(QUOTE B) (NCT (MEMBER (QUOTE L) XBLCT)) (QUOTE L) NIL))	0064900
(IF SCLASS (GO STAT))	0065000
(SET TYP (EQTYPE XTYPE (GVTYPE X))) (GO ETYP))	0065100
(COMEXP1 (CADDR EXP))	0065200
(IF (MEMBER (QUOTE X2) XBLCT))	0065300
(GO VREGP)	0065400
(AND (SET TYP (EQTYPE (GVTYPE X) VTYPE))	0065500
(NOT (EQN VCLASS (QUOTE DATUM)))) (GO SAVE))	0065600
VREGP (IF (NOT VREG) (GO OK))	0065700
SAFE (MOVPCs VTYPE NIL)	0065800
CK (SET TYP (VLIST))	0065900
(IF (EQN VADDR (QUOTE POP.)) (SET VADDR (QUOTE TOP.)))	0066000
(LSTLST (LAST X))	0066100
(SET. X)	0066200
(INHERIT TYP)	0066300
(IF (AND (EQN VCLASS (QUOTE LOC)) (EQN VADDR (QUOTE POP.)))	0066400
(MOVACTIVE VTYPE (QUOTE AC) NIL))	0066500
(RETUR NIL))	0066600
ETYP (COMTYP TYP (CADDR EXP))	0066700
(IF (MEMBER (QUOTE X2) XBLCT) (GO VREGP))	0066800
SAVE (IF (NOT (FULLP TYP (GVBYTE X))))	0066900
(GO VREGP)	0067000
(MEMBER VREG XBLCT)	0067100
(IF FREG (GC MACT) (GC SAFE))	0067200
(EQN VCLASS (QUOTE ACTIVE))	0067300
(IF (AND (NOT VINV) (FULLP VTYPE VBYTE)) (GO OK) (GO MACT))	0067400
(NOT FREG) (GC OK))	0067500
MACT (MOVACTIVE TYP FREG NIL)	0067600
(GO OK)	0067700
STAT (COMTYP (GVTYPE X) (CADDR EXP))	0067800
(IF (OR (AND VREG (MEMBER (QUOTE X2) XBLCT))	0067900
(AND (SET TYP (MEMBER VREG XBLCT)) (NOT FREG)))	0068000
(MOVPCs VTYPE NIL) (AND TYP FREG) (MOVACTIVE VTYPE FREG NIL))	0068100
(LSTLST (LAST X)) (SET. X)))	0068200
(INSTRUCTIONS ((LOCSET . LISP) NCVALUE))	0068300
NIL (BLCK ((TYP SYMBOL) (BLOT SYMBOL) (LST SYMBOL)))	0068400
(IF (CCMLCK 3) (RETURN NIL))	0068500
(COMEXP1 (CADDR EXP))	0068600
(IF (AND (EQN (QUOTE LOC) VCLASS) (FULLW VBYTE) (NOT VINV))	0068700
(GO A))	0068800
(COMER2 (CADDR EXP) (QUOTE (NON FULL LOC 2 ARG IN LOCSET)))	0068900
A (SET TYP VTYPE)	0069000
(MAKELCC)	0069100
(SET BLOT VBLCT)	0069200
(SET LST LISTING)	0069300

(VSET (QUOTE (NIL NIL NIL NIL NIL NIL NIL NIL NIL)))	0069400
(SET LISTING NIL)	0069500
(COMEXP1 (CADR EXP))	0069600
(IF (EQN VTYPE TYP) (GC XQQ))	0069700
(COMERR (QUOTE (UNEQ TYPES IN LCCSET)))	0069800
XQQ (IF (AND (EQN VCLASS (QUOTE LOC))	0069900
(NOT VREG)	0070000
VIND (NOT LISTING) (FULLW VBYTE) (NOT VBLDT) (NOT VINV))	0070100
(GO B))	0070200
(COMER2 (CADR EXP) (QUOTE (NON LCC VAR 1 ARG TO LOCSET)))	0070300
B (SET LISTING (CONS (LIST (QUOTE STF) VADDR) LST))	0070400
(INHERIT (QUOTE (LOC NIL AC 0 NIL NIL NIL NIL)))	0070500
(SET VTYPE TYP) (SET VBLDT BLOT)))	0070600
(FCR (FUNCTION (FORSET SYMBOL))	0070700
((X SYMBOL))	0070800
(IF (AND (ATOM X) (EQN X VADDR))	0070900
NIL (FCRX (LIST (QUOTE SET) VADDR X))))	0071000
(FUNCTION (FCRTRM SYMBOL))	0071100
((X SYMBOL)) (SET LISTING (NCONC LISTING (LIST X))))	0071200
(FUNCTION (FCRTRM SYMBOL))	0071300
NIL (BLOCK ((X SYMBOL))	0071400
(SET X (CDDR EXP))	0071500
(IF (SIM (QUOTE (WHILE S.)) (CAR X))	0071600
(BLOCK NIL (FCRX (LIST (QUOTE IF)	0071700
(LIST (QUOTE NOT) (CADAR X)) (LIST (QUOTE GO) FG0)))	0071800
(SET X (CDR X)) GO1605))	0071900
(IF (SIM (QUOTE (UNLESS S.)) (CAR X))	0072000
(BLOCK NIL (FCRX (LIST (QUOTE IF)	0072100
(CADAR X) (LIST (QUOTE GO) TG0))) (SET X (CDR X)) GO1606))	0072200
(FORX (CAR X))))	0072300
(MACRO ((FCR . LISP) SYMBOL))	0072400
((EXP SYMBOL))	0072500
(BLOCK ((TGC SYMBOL))	0072600
(FGU SYMBOL))	0072700
(L SYMBOL))	0072800
(LISTING SYMBOL))	0072900
(G SYMBOL))	0073000
(G1 SYMBOL))	0073100
(G2 SYMBOL) (FL SYMBOL) (CFL SYMBOL) (VADDR SYMBOL))	0073200
(IF (NCT (SIM (QUOTE (FOR S. (CR. ((OR. LOOP IN ON) S.)	0073300
((CR. RESET STEP) S. S.))	0073400
(STEP S. S. (CR. EQ NQ LG GQ LS GR) S.) NIL)	0073500
(ANY. (WHILE S.)) (ANY. (UNLESS S.)) S.)) EXP)) (GO E))	0073600
(SET TGO (GENID))	0073700
(SET L (GENID))	0073800
(SET FGO (GENID))	0073900
(SET G1 (GENID))	0074000
(SET G2 (GENID))	0074100
(SET VADDR (CADR EXP))	0074200
(IF (NULL (SET FL (CADDR EXP))))	0074300
(BLOCK NIL (FCRX TGC) (FORX L) (FORTRM) GO1607)	0074400
(EQN (SET CFL (CAR FL)) (QUOTE LOCP))	0074500
(BLOCK NIL (FCRX TGO)	0074600
(FORX L) (FORSET (CADR FL)) (FORTRM) GO1608)	0074700
(EQN CFL (QUOTE RESET))	0074800
(BLOCK NIL (FCRSET (CADR FL))	0074900
(FORX L) (FORTRM) (FORX TGO) (FORSET (CADR FL)) GO1609)	0075000
(OR (EQN CFL (QUOTE IN)) (EQN CFL (QUOTE ON))))	0075100
(BLOCK NIL (SET G (LIST (LIST G1 (QUOTE SYMBOL) (CADR FL)))))	0075200
(FORX L)	0075300
(FORX (LIST (QUOTE IF)	0075400
(LIST (QUOTE NULL) G1) (LIST (QUOTE GO) FGO)))	0075500
(FORSET (IF (EQN (CAR FL) (QUOTE ON))))	0075600

G1 (LIST (QUOTE CAR) G1)) 0075700
(FORTRM) 0075800
(FORX TGC) 0075900
(FORX (LIST (QUOTE SET) G1 (LIST (QUOTE CDR) G1))) G01610) 0076000
(EQN CFL (QUOTE STEP)) 0076100
(BLOCK NIL (IF (NUMBP (SET CFL (CADDR FL)))
 (SET G1 CFL) (SET G (LIST (LIST G1 (QUOTE ASSIGNED) CFL)))) 0076200
(FORSET (CADR FL)) 0076400
(FORX L) 0076500
(IF (SET CFL (CDDR FL)) 0076600
 (BLCK NIL (IF (NUMBP (CADR CFL)) 0076700
 (SET G2 (CADR CFL)) 0076800
 (SET G (NCONC G (LIST (LIST G2 (QUOTE ASSIGNED)
 (CADR CFL))))))) 0076900
(FORX (LIST (QUOTE IF)) 0077000
 (LIST (CAR CFL) VADDR G2) (LIST (QUOTE G0) FG0))) G01612)) 0077100
(FORTRM) 0077200
(FORX TGC) (FORSET (LIST (QUOTE PLUS) VADDR G1)) G01611)) 0077300
(RETURN (NCONC (NCONC (LIST (QUOTE BLOCK) G) LISTING)
 (LIST (LIST (QUOTE GC) L) FG0)))) 0077400
E (COMERR (QUOTE (ILLEGAL FOR STATEMENT)))))) 0077500
0077600
0077700

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(MCVEPO (FUNCTION (REVA2L SYMBOL))	0000100
((XREG SYMBOL))	0000200
(BLOCK ((VREG SYMBOL)) (SET VREG XREG) (RETURN (TRANSA2L))))	0000300
(FUNCTION (LXN SYMBOL))	0000400
((IN SYMBOL)) (IF (GR (ABS N) 377777Q) NIL (LIST N (QUOTE R))))	0000500
(FUNCTION SYMCD (S))	0000600
(BLOCK NIL (IF (IDP S)	0000700
(RETURN (LIST (QUOTE ID) S)))	0000800
(BOOLP S)	0000900
(RETURN (IF S 1 0)))	0001000
(INTP S)	0001100
(IF (LS (ABS S) 2Q5) (RETURN (WORDOR 0 (PLUS 6Q5 S))))	0001200
(OCTALP S)	0001300
(IF (EQ 0 (WORDAND 77777777776Q5 S)) (RETURN (WORDOR 2Q5 S))))	0001400
(RETURN (LIST (QUOTE QUOTE) S))))	0001500
(FUNCTION (SPARAM SYMBOL))	0001600
((XBYTE SYMBOL))	0001700
(BLOCK ((I SYMBOL) (TO SYMBOL))	0001800
(RETURN (LIST (IF (AND (EQ (CADR (SET I (WHATBITS VBYTE)))	0001900
(CADR (SET TO (WHATBITS XBYTE))))	0002000
(OR (EQN VTYPE (QUOTE INTEGER))	0002100
(LS (PLUS (CAR I) (CADR I)) 48)))	0002200
(QUOTE SHIFT) (QUOTE MASK))	0002300
(DIFFERENCE (CAR I) (CAR TO)) (QUOTE R))))	0002400
(FUNCTION (WHATBITS SYMBOL))	0002500
((X SYMBOL))	0002600
(IF (NULL X)	0002700
(QUOTE (0 48))	0002800
(ATOM X)	0002900
(BLOCK NIL (COMER2 X (QUOTE (ILLEGAL BYTE VALUE))))	0003000
(RETURN (QUOTE (0 48))) X))	0003100
(FUNCTION (SVACT SYMBOL))	0003200
((R SYMBOL) (B SYMBOL))	0003300
(BLOCK NIL (SET VCLASS (QUOTE ACTIVE))	0003400
(SET VREG R) (SET VBYTE B) (SET VADDR (SET VIND NIL))))	0003500
(FUNCTION (BBND SYMBOL))	0003600
((B SYMBOL))	0003700
(AND (EQ (REMINDER (CAR (SET B (WHATBITS B))) 6) 0)	0003800
(EQ (REMINDER (CADR B) 6) 0)))	0003900
(FUNCTION (ISINV SYMBOL))	0004000
((X SYMBOL))	0004100
(BLOCK ((Y SYMBOL))	0004200
(SET Y 0)	0004300
AA (IF (CLVINV X) (GO BB))	0004400
(RETURN (EQ 1 (REMINDER Y 2))) BB (SET Y (PLUS Y 1)) (GO AA))	0004500
(FUNCTION (CLVINV SYMBOL))	0004600
((X SYMBOL))	0004700
(IF (ATCM VINV)	0004800
(IF (EQN VINV X) (BLOCK NIL (SET VINV NIL) (RETURN TRUE)) NIL)	0004900
(BLOCK ((A SYMBOL))	0005000
S (IF (NULL VINV)	0005100
(RETURN (BLOCK NIL (SET VINV (REVERSE A)) (RETURN NIL))))	0005200
(EQN (CAR VINV) X)	0005300
(RETURN (BLOCK NIL (SET VINV (APPEND (REVERSE A) (CDR VINV))))	0005400
(RETURN TRUE))))	0005500
(SET A (CCNS (CAR VINV) A)) (SET VINV (CDR VINV)) (GO S)))	0005600
(FUNCTION (LCPC SYMBOL))	0005700
((R SYMBOL))	0005800
(IF (NOT (MEMBER R (QUOTE (AC B L))))	0005900
(BLOCK NIL (COMER2 R (QUOTE (NOT LEGAL REGISTER FOR LDA CLASS))))	0006000
(RETURN (IF (ISINV (QUOTE MINUS))	0006100
(QUOTE LOADCOMP) (QUOTE LOAD))))	0006200
(ISINV (QUOTE MINUS)))	0006300


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(SET E2 (LIST (LAST E2)))
(EQN E1 (QUOTE 'L))
(SET E3 (LIST (LAST E3))) (RETURN 7777777777777777Q))
C (RETURN (MAKEID (COMPRESS (APPEND (CONS E1 E2)
    (CONS (QUOTE '.) E3)))))) 0012700
A (SET E1 (QUOTE L)) 0012800
(SET E2 (TRANS XBYTE)) (SET E3 (TRANS VBYTE)) (GO B)) 0012900
(FUNCTION (TRANS SYMBOL)) 0013000
((B SYMBOL)) 0013100
(IF (NULL B) 0013200
(QUOTE ('7)) 0013300
(ATOM B) (COMER2 B (QUOTE (NOT A BYTE MODIFIER))) (TRANS1 B)) 0013400
(FUNCTION (TRANS1 SYMBOL)) 0013500
((B SYMBOL)) 0013600
(BLOCK ((R SYMBOL) (N SYMBOL) (A SYMBOL)) 0013700
(SET R (CAR B)) 0013800
(SET N (CADR B)) 0013900
(IF (OR (GR (SET N (PLUS R N)) 48)
    (NOT (EQ (REMAINDER R 6) 0)) (NOT (EQ (REMAINDER N 6) 5))) 0014000
    (RETURN NIL)) 0014100
(X (IF (NULL (CAR (SET A (CONS (GETN (QUOTE (0 '7 6 '6 12 '5 18 '4
        24 '3 30 '2 36 '1 42 '0)) R) A)))) 0014200
    (RETURN (COMER2 B (QUOTE (ILLEGAL MODIFIER))))) 0014300
    (IF (EQ (SET R (PLUS R 6)) N) (RETURN A)) (GO X))) 0014400
(FUNCTION (TAGF SYMBOL)) 0014500
((B SYMBOL) (A SYMBOL)) 0014600
(IF (OR (EQ 0 A) (NULL A)) 0014700
    (IF (NULL B) 0 B)) 0014800
    (EQ 0 B)) 0014900
    A (NULL B)) 0015000
    A (ATOM A)) 0015100
    (IF (ATOM B) (LIST B A) (CONS A B)) 0015200
    (ATOM B) (CCNS B A) (APPEND B A))) 0015300
(FUNCTION SASSOC (X L (FN (FUNCTIONAL SYMBOL))) 0015400
(IF (SET X (FIND X L)) X (FN))) 0015500
(MCVEP1 (FUNCTION (CNVL2AC SYMBOL)) 0015600
((TYP SYMBOL) (BYT SYMBOL)) 0015700
(BLOCK ((A SYMBOL) (B SYMBOL)) 0015800
(IF (NULL (SET A (CONVP TYP))) 0015900
    (RETURN 0)) 0016000
    (NOT (ATOM A)) 0016100
    (ATTACH (QUOTE (ARGS))) 0016200
    (EQN A (QUOTE V)) 0016300
    (RETURN (BLOCK NIL (SET VTYPE TYP) (RETURN 2))) 0016400
    (EQN A (QUOTE OI)) 0016500
    (GO NC)) 0016600
    (EQN A (QUOTE TRU)) 0016700
    (RETURN 1)) 0016800
    (EQN A (QUOTE IR)) 0016900
    (IF (NOT (FULLW BYT)) (RETURN 0) NIL)) 0017000
    (NOT (OR (EQN A (QUOTE MZ)) (EQN A (QUOTE SP)))) (RETURN 5)) 0017100
(MOVACTIVE VTYPE (QUOTE AC) NIL) 0017200
(IF (ATOM A) (GO OPEN)) 0017300
(ATTACH (LIST (QUOTE CALL) A)) 0017400
(BLOTT) 0017500
FIN (SVACT (QUOTE AC) NIL) 0017600
(SET VTYPE TYP) 0017700
(IF (FULLW BYT) (RETURN NIL)) 0017800
(RETURN (ACT2ACT (QUOTE AC) BYT)) 0017900
OPEN (IF (EQN A (QUOTE IR)) 0018000
    (BLOCK NIL (ATTACH (QUOTE (FLT (ENTRY B48.))))) 0018100
    (BLOTC) (QUOTE B))) 0018200
    (EQN A (QUOTE MZ)) 0018300
    0018400
    0018500
    0018600
    (BLOCK NIL (ATTACH (QUOTE (FLT (ENTRY B48.))))) 0018700
    (BLOTC (QUOTE B))) 0018800
    (EQN A (QUOTE MZ)) 0018900

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(ATTACH (QUOTE (BUC (ENTRY I2CENT) 0 4)))	0019000
(EQN A (QUOTE SP)) (GO S2B))	0019100
(BLATCH (QUOTE AC))	0019200
(GO FIN)	0019300
S2B (ATTACH (QUOTE (BUC (ENTRY STBENT) 0 4)))	0019400
(INHERIT (QUOTE (ACTIVE BOOLEAN AC NIL NIL NIL (AC) NIL)))	0019500
(RETURN NIL)	0019600
NO (IF (BBND VBYTE) (RETURN 3))	0019700
(RETURN (MCVOI (QUOTE AC) BYT))))	0019800
(FUNCTION (DXREG SYMBOL))	0019900
((R SYMBOL)) (IF (NUMBP R) (QUOTE LDX) (QUOTE LDA)))	0020000
(FUNCTION (MLDX SYMBOL))	0020100
((I SYMBOL) (R SYMBOL))	0020200
(IF (NULL (CDR I))	0020300
(LIST (QUOTE LDX) (CAR I) 0 R)	0020400
(APPEND (CCNS (QUOTE LDX) I) (LIST R))))	0020500
(FUNCTION (L2AP. SYMBOL))	0020600
NIL (BLCK ((X SYMBOL) (Y SYMBOL))	0020700
(IF (NCT (EQN VCLASS (QUOTE LOC)))	0020800
(RETURN NIL)	0020900
VIND (GO IND)	0021000
(NOT (ATOM (SET X VADDR)))	0021100
(GO XRS)	0021200
(NULL (SET X (CADR (SASSOC VADDR (QUOTE ((A. AC)	0021300
(B. B) (L. L))) CADRNIL)))) (RETURN NIL))	0021400
(SVACT X VBYTE)	0021500
(RETURN TRUE)	0021600
IND (IF (NCT (AND (EQN VADDR (QUOTE A.)) (NULL VREG)))	0021700
(RETURN NIL))	0021800
(SET VADDR 0)	0021900
(SET VIND NIL)	0022000
(SET VREG 15)	0022100
(RETURN NIL)	0022200
XRS (IF (NCT (AND (MEMBER (QUOTE Z.) X) (EQ 2 (LENGTH X))))	0022300
(RETURN NIL))	0022400
XRS1 (IF (NUMBP (SET Y (CAR X)))	0022500
(GO XRS2) (NULL (SET X (CDR X))) (RETURN NIL))	0022600
(GO XRS1) XRS2 (SVACT Y VBYTE) (RETURN TRUE)))	0022700
(FUNCTION (ITSTRU SYMBOL))	0022800
((R SYMBOL) (B SYMBOL))	0022900
(BLOCK NIL (SETTRU) (RETURN (MOVACTIVE (QUOTE BOOLEAN) R B))))	0023000
(FUNCTION (SETTRU SYMBOL))	0023100
NIL (BLOCK NIL (SET VCLASS (QUOTE DATUM))	0023200
(SET VTYPE (QUOTE BOOLEAN))	0023300
(SET VADDR (QUOTE TRUE)) (SET VREG (SET VIND (SET VBYTE NIL))))	0023400
(FUNCTION (LXRM SYMBOL))	0023500
((B SYMBOL))	0023600
(IF (OR (NULL B) (AND (NOT (ATOM B)) (EQ 0 (CAR B))))	0023700
(QUOTE RA) (AND (NOT (ATOM B)) (EQ (CAR B) 24)) (QUOTE LA) NIL))	0023800
(FUNCTION (BEQ SYMBOL))	0023900
((XB SYMBOL)) (CR (EQ VBYTE XB) (AND (FULLW VBYTE) (FULLW XB))))	0024000
(FUNCTION (NADDR SYMBOL))	0024100
((VAL SYMBOL) (TYPE SYMBOL) (B SYMBOL))	0024200
(BLOCK ((C SYMBOL) (V SYMBOL) (VBYTE SYMBOL))	0024300
(IF (NUMBP (SET V (BMODS (QUOTE ACTIVE) B)))	0024400
(RETURN (SHFTRA VAL TYPE B))	0024500
(EQN VTYPE (QUOTE BOOLEAN))	0024600
(BLOCK NIL (SET VAL (IF (NULL VAL) 0 1)) (SET C V))	0024700
(EQN TYPE (QUOTE OCTAL))	0024800
(GO OCF) (NCT (NUMBP VAL)) (SET VAL 0))	0024900
ND1 (IF (EQN TYPE (QUOTE INTEGER))	0025000
(SET C (TAGF V (QUOTE S))) (SET C V))	0025100
(IF (OR (AND (REALP VAL)	0025200

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(IF (EQ VAL 0) (BLOCK NIL (SET VAL 0) (RETURN NIL)) TRUE)) 0025300
  (GR (ABS VAL) 3777777Q)) 0025400
  (RETURN (CCNS (LIST (QUOTE NUMBER) VAL) (IF C (LIST C) NIL)))) 0025500
  (RETURN (LIST VAL (IF V (TAGF (QUOTE R) C)
    (TAGF (QUOTE L567.7) (TAGF (QUOTE R) C)))))) 0025600
  COF (IF (NCT (NUMBP VAL))
    (GO OCF2) (EQ 0 (WORDAND VAL 4Q15)) (GO ND1)) 0025700
    (RETURN (CCNS (LIST (QUOTE NUMBER) VAL)
      (IF C (LIST C) NIL))) OOF2 (SET VAL 0) (GO ND1))) 0025800
(FUNCTION (SHFTRA SYMBOL) 0026000
  ((VAL SYMBOL) (TYPE SYMBOL) (B SYMBOL)) 0026100
  (BLOCK ((V SYMBOL)) 0026200
    (SET V (WHATBITS B)) 0026300
    (IF (EQN (QUOTE REAL) TYPE) 0026400
      (RETURN (IF (EQ 0 VAL) (QUOTE (0 R)) NIL)) 0026500
      (EQN (QUOTE BBOOLEAN) TYPE) 0026600
      (IF VAL (SET VAL 1) (RETURN (QUOTE (0 R)))) 0026700
      (NOT (NUMBP VAL)) (SET VAL 0)) 0026800
      NUM (IF (EQN TYPE (QUOTE INTEGER)) 0026900
        (GO A2) 0027000
        (NOT (EQN TYPE (QUOTE OCTAL))) 0027100
        (RETURN NIL) 0027200
        (EQ 0 (WORDAND VAL 4Q15)) 0027300
        (GO A1) 0027400
        (FULLW B) 0027500
        (RETURN (CCNS (LIST (QUOTE NUMBER) VAL) NIL)) 0027600
        (SET VAL (WORDAND VAL (MMSK (LIST 0 (CADR V)))))) 0027700
      A1 (SET B NIL) 0027800
        (GO A3) 0027900
      A2 (SET B (QUOTE (S))) 0028000
      A3 (SET TYPE (IF (LS VAL 0) -1 1)) 0028100
      (IF (GR (SET VAL (SHIFT (WORDAND (ABS VAL)
        (PLUS (SHIFT 1Q (CADR V)) -1))
        (REMAINDER (CAR V) 6)))) 377777777Q) 0028200
        (RETURN (CCNS (LIST (QUOTE NUMBER) (TIMES TYPE VAL)) NIL))) 0028300
      (SET V (GETN (QUOTE (0 (R L456.7)
        1 (R L3456.7)
        2 (R L2345.7)
        3 (R L1234.7)
        4 (R L0123.7) 5 (R L012.7) 6 (R L01.7) 7 (R L0.7)))
        (IQUOTIENT (CAR V) 6)))) 0028400
      (RETURN (LIST (WORDCR 0Q (TIMES TYPE VAL))
        (APPEND (IF V V (QUOTE (R))) B)))))) 0028500
    (FUNCTION (MMSK SYMBOL) 0028600
      ((B SYMBOL)) 0028700
      (BLOCK NIL (SET B (WHATBITS B)) 0028800
        (RETURN (WORDAND (SHIFT 377777777777777777Q (CAR B)
          (SHIFT 377777777777777777Q (PLUS -47 (CAR B) (CADR B))))))) 0028900
    (FUNCTION (MDEC R SYMBOL) 0029000
      NIL (IF (EQN VCLASS (QUOTE ACTIVE)) 0029100
        (TRANS2L) 0029200
        (EQN VCLASS (QUOTE LCC)) 0029300
        (IF (OR VIND VREG) (COMERR (QUOTE (CAN NOT BE A DECR))) VADDR) 0029400
        (NOT (EQN VCLASS (QUOTE DATUM))) 0029500
        (COMER2 VCLASS (QUOTE (NOT A LEGAL CLASS))) 0029600
        (OR (EQN VTYP E (QUOTE REAL))
          (EQN VTYP E (QUOTE OCTAL)) (EQN VTYP E (QUOTE INTEGER))) 0029700
        (LIST (QUOTE NUMBER) VADDR) 0029800
        (EQN VTYP E (QUOTE SYMBOL)) 0029900
        (SYMOD VADDR) 0030000
        (EQN VTYP E (QUOTE BBOOLEAN)) 0030100
        (IF VADDR 1 0) (COMER2 VTYP E (QUOTE (IS NOT A LEGAL DECR)))))) 0030200
      (MCVEP2 (FUNCTION (CNVD SYMBOL) 0030300
        )) 0030400
      )) 0030500
      )) 0030600
      )) 0030700
      )) 0030800
      )) 0030900
      )) 0031000
      )) 0031100
      )) 0031200
      )) 0031300
      )) 0031400
      )) 0031500
    )) 0031600
  )) 0031700
)) 0031800

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((NT SYMBOL)) 0031600
(BLOCK NIL (IF (NULL (CCNVP NT)))
  (RETURN (COMERR (QUOTE (TYPES NOT CONVERTIBLE))))) 0031700
  (SET VADDR (CNVDATM VTTYPE VADDR NT)) (SET VTTYPE NT)) 0031800
(FUNCTION (CNVDATM SYMBOL) 0031900
  ((OTYP SYMBOL) (VAL SYMBOL) (NTYP SYMBOL)) 0032000
  (BLOCK ((W SYMBOL) (VTTYPE SYMBOL)) 0032100
    (IF (OR (EQN NTYP (QUOTE SYMBOL)) (EQN OTYP NTYP)) (RETURN VAL)) 0032200
    (SET VTTYPE OTYP) 0032300
    (IF (NOT (ATOM (SET W (CONVP NTYP)))) 0032400
      (GO CC) 0032500
      (NULL W) 0032600
      (RETURN NIL) 0032700
      (EQN W (QUOTE V)) 0032800
      (RETURN VAL) 0032900
      (EQN W (QUOTE OI)) 0033000
      (RETURN (IF (NUMBP VAL) (PLUS VAL 0) 0)) 0033100
      (EQN W (QUOTE IR)) 0033200
      (GO CCC) 0033300
      (EQN W (QUOTE TRU)) 0033400
      (RETURN (QUOTE TRUE)) 0033500
      (EQN W (QUOTE MZ)) 0033600
      (RETURN (IF (EQ 0 VAL) 0 (WORDCR 0Q VAL))) 0033700
      (EQN W (QUOTE SP)) 0033800
      (RETURN (IF (R (NULL VAL) (EQN VAL (QUOTE FALSE))) 0033900
        NIL (QUOTE TRUE)))) 0034000
      CC (IF (EQN OTYP (QUOTE REAL))) 0034100
      (IF (NOT (NUMBP VAL)) 0034200
        (GO CCC) 0034300
        (EQN NTYP (QUOTE INTEGER)) 0034400
        (RETURN (ENTIER VAL)) 0034500
        (EQN NTYP (QUOTE OCTAL)) 0034600
        (RETURN (WCRCOR 0Q (ENTIER VAL))) NIL) 0034700
        (EQN CTYP (QUOTE SYMBOL)) 0034800
        (IF (EQN NTYP (QUOTE FUNCTIONAL)) 0034900
          (RETURN (CCMERR (QUOTE (CNV OF A DATUM TO TYPE FUNCTIONAL)))) 0035000
          (MEMBER NTYP (QUOTE (INTEGER OCTAL REAL))) (GO CCC))) 0035100
        (RETURN (CCMERR (LIST CTYP (QUOTE TO)
          NTYP (QUOTE (DOESNT MAKE SENSE FOR DATUM))))) 0035200
        CCC (IF (NOT (NUMBP VAL)) 0035300
          (BLOCK NIL (CCMER2 VAL (QUOTE (IS NOT A NUMBER YOU KNOW))) 0035400
            (SET VAL 0))) 0035500
          (RETURN (IF (EQN NTYP (QUOTE INTEGER)) 0035600
            (ENTIER VAL)) 0035700
            (EQN NTYP (QUOTE REAL)) 0035800
            (FLOAT VAL)) 0035900
            (EQN NTYP (QUOTE OCTAL)) (WORDCR 0Q (ENTIER VAL)) 0))) 0036000
        (FUNCTION (MCVARG SYMBOL) 0036100
          ((XTYPE SYMBOL) (XREG SYMBOL) (XBYTE SYMBOL) (ICLASS SYMBOL)) 0036200
          (IF (EQN ICLASS (QUOTE BXE)) 0036300
            (MDEC R) 0036400
            (NOT (EQN VTTYPE XTYPE)) 0036500
            (MOVARG2 XTYPE XREG XBYTE ICLASS) 0036600
            (NULL (SET XTYPE (EXHOCKY ICLASS XBYTE))) 0036700
            (MOVACTIVE VTTYPE XREG XBYTE) 0036800
            (EQN ICLASS (QUOTE LDX)) (CDR (MLDX XTYPE XREG)) XTYPE)) 0036900
        (FUNCTION (MCVARG2 SYMBOL) 0037000
          ((XTYPE SYMBOL) (XREG SYMBOL) (XBYTE SYMBOL) (ICLASS SYMBOL)) 0037100
          (BLOCK ((X SYMBOL)) 0037200
            (IF (NULL (SET X (CCNVP XTYPE))) 0037300
              (RETURN (COMERR (QUOTE (TYPE CCNV NOT LEGAL)))) 0037400
              (NOT (ATOM X)) 0037500
              (RETURN (MCVACTIVE XTYPE XREG XBYTE))) 0037600
            (NOT (ATOM X)) 0037700
            (RETURN (MCVACTIVE XTYPE XREG XBYTE))) 0037800

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(EQN X (QUOTE OI))	0037900
(GO AFTER)	0038000
(EQN X (QUOTE V))	0038100
(GO BEFCRE)	0038200
(EQN X (QUOTE TRU))	0038300
(GO DAT) (RETURN (MOVACTIVE XTYPE XREG XBYTE)))	0038400
AFTER (SET X (MOVARG VTYPE XREG XBYTE ICLASS))	0038500
(GO END)	0038600
BEFORE (SET X (BLOCK ((VTYPE SYMBOL))	0038700
(SET VTYPE XTYPE) (RETURN (MOVARG XTYPE XREG XBYTE ICLASS))))	0038800
(GO END)	0038900
CAT (SET X (BLCK ((VCLASS SYMBCL)	0039000
(VTYPE SYMBCL)	0039100
(VREG SYMBOL)	0039200
(VIND SYMBOL) (VBYTE SYMBOL) (VINV SYMBOL) (VADDR SYMBOL))	0039300
(SET TRU) (RETURN (MOVARG XTYPE XREG XBYTE ICLASS)))	0039400
END (IF (NULL X) (SET VTYPE XTYPE)) (RETURN X))	0039500
FUNCTION (EXHOCKY SYMBOL)	0039600
((C SYMBOL) (B SYMBOL))	0039700
(BLOCK ((V SYMBCL) (W SYMBOL) (A SYMBOL))	0039800
(IF (EQN C (QUOTE LDA))	0039900
(GO A)	0040000
(EQN C (QUOTE LDX))	0040100
(GO X)	0040200
(AND (EQN C (QUOTE FAD)) (FULLW B) (FULLW VBYTE))	0040300
(GO F) (RETURN NIL))	0040400
A (IF (EQN VCLASS (QUOTE DATUM))	0040500
(GO DA)	0040600
(NUMBP (SET C (BMODS (QUOTE ACTIVE) B)))	0040700
(RETURN NIL) (EQN VCLASS (QUOTE ACTIVE)) (GO AA))	0040800
(SET V VIND)	0040900
(SET W VREG)	0041000
(SET A VADDR)	0041100
AO (IF (EQN VTYPE (QUOTE INTEGER))	0041200
(SET C (TAGF (IF (FULLW VBYTE) 0 (QUOTE S))	0041300
(TAGF C (ADERMODS V W))) (SET C (TAGF C (ADDRMODS V W)))	0041400
(IF (NULL C) (RETURN (LIST A)) (RETURN (LIST A C)))	0041500
AA (SET V (SET W NIL))	0041600
(SET A (TRANSA2L))	0041700
(GO AO)	0041800
CA (IF (AND (EQN VTYPE (QUOTE REAL)) (FULLW B))	0041900
(RETURN (LIST (LIST (QUOTE NUMBER) VADDR)))	0042000
(OR (EQN VTYPE (QUOTE INTEGER)) (EQN VTYPE (QUOTE OCTAL)))	0042100
(RETURN (NADDR VADDR VTYPE B))	0042200
(EQN VTYPE (QUOTE SYMBOL))	0042300
(GO DSYM)	0042400
(EQN VTYPE (QUOTE BOOLEAN))	0042500
(RETURN (NADDR VADDR (QUOTE BOOLEAN) B))	0042600
(EQN VTYPE (QUOTE FUNCTIONAL))	0042700
(RETURN (LIST VADDR)) (RETURN NIL))	0042800
DSYM (SET W (QUOTE (R)))	0042900
(IF (AND (NOT (ATOM (SET A (SYMCD VADDR))))	0043000
(IF (EQN (CAR A) (QUOTE QUOTE)) (NULL (SET W NIL)) NIL)	0043100
(FULLW B))	0043200
(RETURN (LIST A))	0043300
(FULLW B)	0043400
(RETURN (CCNS A (IF (NULL W) NIL (QUOTE ((R L4567.7))))))	0043500
(NUMBP (SET V (BMODS (QUOTE ACTIVE) B)))	0043600
(RETURN (IF (ATOM A) (SHFTRA A (QUOTE OCTAL) B) NIL))	0043700
(NULL W) (RETURN (LIST A V)) (RETURN (LIST A (CONS V W))))	0043800
X (IF (NOT (EQN (LXRM B) (QUOTE RA))))	0043900
(RETURN NIL)	0044000
(EQN VCLASS (QUOTE DATUM))	0044100

(GO LDXR)	0044200
(NULL (SET A (LXRM VBYTE)))	0044300
(RETURN NIL)	0044400
(EQN VCLASS (QUOTE ACTIVE))	0044500
(RETURN (IF (EQN A (QUOTE RA))	0044600
(IF (NUMBP VREG)	0044700
(LIST C (LIST (QUOTE R) VREG))	0044800
(EQN VREG (QUOTE AC))	0044900
(LIST C (QUOTE (R 15))) (LIST (TRANSA2L)))	0045000
(LIST (TRANSA2L) A)))	0045100
(RETURN (LIST VADDR (TAGF A (ADDRMODS VIND VREG))))))	0045200
LDXR (IF (CR (EQN VTYPE (QUOTE INTEGER)))	0045300
(EQN VTYPE (QUOTE OCTAL)))	0045400
(RETURN (LXN VACDR))	0045500
(EQN VTYPE (QUOTE REAL))	0045600
(RETURN (LXN (ENTIER VADDR)))	0045700
(EQN VTYPE (QUOTE SYMBOL))	0045800
(RETURN (LIST (SYMCU VADDR) (QUOTE R))))	0045900
(EQN VTYPE (QUOTE BOOLEAN))	0046000
(RETURN (LIST (IF VADDR 1 0) (QUOTE R))))	0046100
(EQN VTYPE (QUOTE FUNCTIONAL))	0046200
(RETURN (LIST (LIST (QUOTE FUNCTION) VADDR) (QUOTE R))))	0046300
(RETURN NIL))	0046400
F (IF (EQN VCLASS (QUOTE DATUM))	0046500
(GO FD) (EQN VTYPE (QUOTE REAL)) (GO FR) (RETURN NIL))	0046600
FD (IF (EQN VTYPE (QUOTE REAL))	0046700
(RETURN (LIST (LIST (QUOTE NUMBER) VADDR))))	0046800
(OR (EQN VTYPE (QUOTE INTEGER)) (EQN VTYPE (QUOTE OCTAL))))	0046900
(RETURN (LIST (LIST (QUOTE NUMBER) (FLOAT VADDR))))	0047000
(RETURN NIL))	0047100
FR (IF (EQN VCLASS (QUOTE ACTIVE))	0047200
(RETURN (LIST (TRANSA2L))))	0047300
(EQN VCLASS (QUOTE LOC))	0047400
(RETURN (LIST VADDR (ADDRMODS VIND VREG))))))	0047500
(FUNCTION (MCVOI SYMBCL)	0047600
((XREG SYMBCL) (XBYTE SYMBOL))	0047700
(BLOCK NIL (MCVACTIVE VTYPE XREG XBYTE)	0047800
(SET VTYPE (QUOTE INTEGER)) (RETURN NIL))))	0047900
(MCVEP3 (FUNCTION (MAKELOC SYMBOL)	0048000
NIL (BLOCK NIL (IF (NOT (AND (EQN VCLASS (QUOTE LOC))	0048100
(FULLW VBYTE) (NULL VINV))))	0048200
(RETURN (COMER2 (VLIST) (QUOTE (NOT LEGAL FOR MAKELOC))))))	0048300
(ATOM VREG)	0048400
(IF (NULL VREG) (SET VREG 0) NIL) (SET VREG (CAR VREG)))	0048500
(IF VIND (GO INDIRECT)	0048600
(OR (NULL VACDR) (EQ VADDR 0))	0048700
(GO TONLY)	0048800
(MEMBER VREG (QUOTE (AC 15))))	0048900
(GO AVADDR)	0049000
(EQ 0 VREG)	0049100
(BLOCK NIL (ATTACH (LIST (QUOTE LDX) VADDR (QUOTE R) 4))	0049200
(SET VREG 4))	0049300
(ATTACH (LIST (QUOTE BAX) (QUOTE (D. 1)) VREG VADDR))))	0049400
(BLITCH VREG)	0049500
(GO LONLY)	0049600
AVADDR (ATTACH (LIST (QUOTE ADD) VADDR (QUOTE (R L567.7))))	0049700
(GO DONE)	0049800
TONLY (IF (MEMBER VREG (QUOTE (AC 15))) (GO DONE))	0049900
LONLY (ATTACH (LIST (QUOTE LDA) (TRANSA2L) (QUOTE L567.7))))	C050000
(GO DONE)	C050100
INDIRECT (ATTACH1 (LIST (QUOTE LDA) VADDR VREG))	C050200
DONE (SET VTYPE (QUOTE SYMBOL))	C050300
(BLITCH (QUOTE AC)) (RETURN (SVACT (QUOTE AC) NIL))))	C050400

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(FUNCTION (MCVACTIVE SYMBOL) 0050500
((XTYPE SYMBOL) (XREG SYMBOL) (XBYTE SYMBOL)) 0050600
(BLOCK ((S SYMBOL) (R SYMBOL)) 0050700
(IF VINV (GC SPECH)) 0050800
MOVA (IF (EQN VTYPE XTYPE) 0050900
(GO NCCNV) 0051000
(EQN VCLASS (QUOTE LOC)) 0051100
(GO L2A) 0051200
(EQN VCLASS (QUOTE ACTIVE)) 0051300
(GO A2L) 0051400
(EQN VCLASS (QUOTE DATUM)) 0051500
(GO CNVDAT) 0051600
(RETURN (COMER2 VCLASS (QUOTE (NOT A CLASS)))) 0051700
CNVDAT (CNVD XTYPE) 0051800
DAT2ACT (IF (CANSTZ XBYTE (LIST (REVA2L XREG))) 0051900
(GO DN) 0052000
(NULL (SET R (EXHOCKY (DXREG XREG) XBYTE))) 0052100
(RETURN (BLCK NIL (SET VBYTE NIL) 0052200
(MOVACTIVE XTYPE (QUOTE AC) NIL) (ACT2ACT XREG XBYTE))) 0052300
(NUMB P XREG) 0052400
(ATTACH1 (MLDX R XREG)) (ATTACH1 (CUNS (LCPC XREG) R)) 0052500
DN (BLCTCH XREG) 0052600
(RETURN (SVACT XREG XBYTE)) 0052700
L2A (IF (OR (EQN VADDR (QUOTE PUSH.) 0052800
(EQN VADDR (QUOTE PUSHP.))) (SET VADDR (QUOTE POP.))) 0052900
A2L (IF (NULL (SET S (CNVL2AC XTYPE (IF (EQN XREG (QUOTE AC)
XBYTE NIL)))) 0053000
(XBYTE NIL))) 0053100
(RETURN (ACT2ACT XREG XBYTE)) 0053200
(EQ 0 S) 0053300
(GO CNVERR) 0053400
(EQ S 1) 0053500
(RETURN (ITSTRU XREG XBYTE)) 0053600
(EQ S 2) 0053700
(GO NCCNV) (EQ 3 S) (RETURN (MCVOI XREG XBYTE)) 0053800
CNVERR (COMERR (LIST (VLIST) 0053900
(QUOTE MCVACTIVE)
(QUOTE TC) XTYPE XREG XBYTE (QUOTE ILLEGAL) S)) 0054000
(SET VTYPE XTYPE) 0054200
(GO MOVA) 0054300
NOCSV (IF (EQN VCLASS (QUOTE LCC)) 0054400
(RETURN (LCC2ACT XREG XBYTE)) 0054500
(EQN VCLASS (QUOTE DATUM)) 0054600
(GO DAT2ACT) 0054700
(NOT (EQN VCLASS (QUOTE ACTIVE))) 0054800
(RETURN (BLOCK NIL (CCMER2 (VLIST)
(QUOTE (NOT LEGAL FOR MOVACTIVE)))) 0054900
(SVACT XREG XBYTE) (SET VTYPE XTYPE) (RETURN NIL))) 0055000
A2A (RETURN (ACT2ACT XREG XBYTE)) 0055100
SPECH (IF (AND (EQN VTYPE (QUOTE SYMBOL)) (ISINV (QUOTE MINUS))
(LSYMNS)) (GO MOVA))) 0055200
0055300
0055400
FUNCTION (LSYMNS SYMBOL) 0055500
NIL (BLCK NIL (ATTACH (QUOTE (ARGS))) 0055600
(MOVACTIVE VTYPE (QUOTE AC) NIL) (CALCOMP (QUOTE MINSYM))) 0055700
FUNCTION (ACT2ACT SYMBOL) 0055800
((XREG SYMBOL) (XBYTE SYMBOL)) 0055900
BLOCK ((A SYMBOL)) 0056000
(IF (NCT (EQN VCLASS (QUOTE ACTIVE))) 0056100
(RETURN (BLOCK NIL (CCMERR (QUOTE (ACT2ACT ENTERED WITH VCLASS
NCT ACTIVE)))) (RETURN (MOVACTIVE VTYPE XREG XBYTE)))) 0056200
(EQN VREG XREG) (GO BCONLY) (BEQ XBYTE) (GO RONLY)) 0056300
BOTH (IF (AND (OR (NUMBP VREG) (NUMBP XREG)
(LXRM VBYTE) (LXRM XBYTE))) 0056400
(GO HLFS) 0056500
0056600
0056700

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(OR (EQN VREG (QUOTE AC)) (EQN VREG (QUOTE B)))	C056800
(GO B1)	C056900
(OR (EQN XREG (QUOTE AC)) (EQN XREG (QUOTE B)))	C057000
(GO R1)	C057100
(NOT (NUMBP VREG))	C057200
(GO ISL) (NULL (SET A (EXHOCKY (QUOTE LDX) XBYTE))) (GO USEB))	C057300
(ATTACH1 (MLDX A XREG))	C057400
(GO DCNE1)	C057500
B1 (IF (AND (OR (EQN XREG (QUOTE AC))	C057600
(EQN XREG (QUOTE B)) (EQN XREG (QUOTE L))))	C057700
(NOT (NUMBP (SET A (BMODS (QUOTE ACTIVE) XBYTE))))))	C057800
(GO B2) (NUMBP XREG) (GO B3))	C057900
(ACT2ACT VREG XBYTE)	C058000
(IF (NCT (EQN XREG (QUOTE AC))))	C058100
(GO RCNLY)	C058200
(AND (EQN (QUOTE ANS) (CAR (SET A (CAR LISTING)))))	C058300
(EQ (CADR A) (TRANSA2L)))	C058400
(SET LISTING (CONS (CCNS (QUOTE ANA) (CDR A)) (CDR LISTING)))	C058500
(GO RCNLY))	C058600
(GO DONE)	C058700
R1 (ACT2ACT XREG (IF XBYTE NIL VBYTE))	C058800
(GO BONLY)	C058900
USEB (ACT2ACT (QUOTE B) NIL)	C059000
(ATTACH (MLDX (QUOTE (B. RA)) XREG))	C059100
(GO DONE1)	C059200
ISL (IF (NUMBP (SET A (BMODS (QUOTE ACTIVE) XBYTE))))	C059300
(GO SWAP))	C059400
B2 (ATTACH1 (LIST (LOPC XREG) (TRANSA2L) (IF A A 0)))	C059500
(GO DONE1)	C059600
B3 (ACT2ACT VREG (QUOTE (0 18)))	C059700
(GO XR)	C059800
BONLY (IF (NCT (ISINV (QUOTE MINUS))))	C059900
(GO NCINV)	C060000
(NUMBP VREG)	C060100
(RETURN (BLOCK ((VINV SYMBOL)))	C060200
(SET VINV (QUOTE (MINUS)))	C060300
(ACT2ACT (QUOTE AC) XBYTE) (ACT2ACT XREG XBYTE)))	C060400
(ATTACH (LIST (LDCMP VREG) (TRANSA2L))))	C060500
NOINV (IF (BEQ XBYTE) (RETURN (SVACT XREG XBYTE)))	C060600
ADJBYT (IF (NUMBP XREG)	C060700
(GO SWAP)	C060800
(SET A (EXHOCKY (QUOTE LDA) XBYTE))	C060900
(ATTACH1 (CONS (LOPC XREG) A))	C061000
(EQN VREG (QUOTE L)) (GO TSTL) (GO ABSHFT))	C061100
(GO DCNE)	C061200
ABSHFT (IF (NOT (EQ 0 (CADR (SET A (SPARAM XBYTE)))))	C061300
(ATTACH (CCNS (IF (EQN VREG (QUOTE AC))	C061400
(QUOTE SFA) (EQN VREG (QUOTE B)) (QUOTE SFB) (QUOTE SHIFT))	C061500
(CDR A))))	C061600
(IF (EQN (CAR A) (QUOTE SHIFT)) (GO DONE))	C061700
MSK (SET VBYTE (CONS (CAR (SET A (WHATBITS XBYTE))))	C061800
(IF (GR (CADR (SET VBYTE (WHATBITS VBYTE))))	C061900
(CADR (SET A (WHATBITS XBYTE)))) (CDR A) (CDR VBYTE))))	C062000
(IF (OR (EQN VREG (QUOTE B)) (EQN VREG (QUOTE L)))) (GO INB))	C062100
(ATTACH (CCNS (QUOTE ANA))	C062200
(NADDR (MMSK VBYTE) (QUOTE OCTAL) NIL)))	C062300
(GO DONE)	C062400
INB (ATTACH (CCNS (QUOTE LDA))	C062500
(NADDR (MMSK VBYTE) (QUOTE OCTAL) NIL)))	C062600
(BLTCH (QUOTE AC))	C062700
(ATTACH (LIST (QUOTE ANS) (TRANSA2L)))	C062800
(GO DONE)	C062900
TSTL (IF (EQ (CADR (SPARAM XBYTE)) 0) (GO MSK))	C063000

SWAP (ACT2ACT (QUOTE B) XBYTE)	0063100
(RETURN (ACT2ACT XREG XBYTE))	0063200
RONLY (IF (NUMBP XREG)	0063300
(GO STIXR)	0063400
(NOT (BEQ XBYTE))	0063500
(GO ER1)	0063600
(EQN VREG (QUOTE AC))	0063700
(ATTACH (LIST (QUOTE STF) (REVA2L XREG)))	0063800
(ATTACH (LIST (LOPC XREG) (TRANSA2L))))	0063900
(GO DONE1)	0064000
ER1 (ATTACH (LIST (LOPC XREG)	0064100
(TRANSA2L)	0064200
(IF (NUMBP (SET A (BMODS (QUOTE ACTIVE) XBYTE))) 0 A)))	0064300
(COMERR (QUOTE (BYTE TROUBLE AT RONLY IN ACT2ACT)))	0064400
(GO DONE1)	0064500
HLFS (IF (NOT (NUMBP VREG))	0064600
(GO HLFS1)	0064700
(NUMBP XREG)	0064800
(ATTACH (LIST (QUOTE LDX) 0 VREG XREG))	0064900
(SET A (EXHOCKY (QUOTE LDA) XBYTE))	0065000
(ATTACH1 (CONS (LOPC XREG) A)) (GO HLF0))	0065100
(GO DONE1)	0065200
HLFO (ATTACH (LIST (QUOTE STX) (REVA2L XREG) 0 VREG))	0065300
(SVACT XREG NIL)	0065400
(BLOTH XREG)	0065500
(GO BONLY)	0065600
HLFS1 (IF (EQ 24 (SET A (CAR (WHATBITS VBYTE))))	0065700
(SET A (QUOTE LA)) (EQ 0 A) NIL (GO ON))	0065800
(ATTACH (LIST (QUOTE LDX) (TRANSA2L) A XREG))	0065900
(GO DONE1)	0066000
CN (IF (EQN (QUOTE L) VREG) (SET A (QUOTE B)) (SET A VREG))	0066100
(ACT2ACT A NIL)	0066200
(RETURN (ACT2ACT XREG XBYTE))	0066300
STIXR (IF (NUMBP VREG) (GO XR))	0066400
(ATTACH (LIST (IF (EQN VREG (QUOTE AC))	0066500
(QUOTE STF)	0066600
(EQN VREG (QUOTE B))	0066700
(QUOTE STB) (EQN VREG (QUOTE L)) (QUOTE STL) (QUOTE LCADXR))	0066800
(REVA2L XREG)))	0066900
(GO DONE1)	0067000
XR (IF (SET A (EXHOCKY (QUOTE LDX) XBYTE))	0067100
(ATTACH1 (MLDX A XREG)) (GO SWAP))	0067200
DONE1 (BLOTH XREG) DONE (RETURN (SVACT XREG XBYTE))))	0067300
(MCVEP4 (FUNCTION (LC2ACT SYMBOL)	0067400
((R SYMBOL) (B SYMBOL)) (IF (L2AP.) (ACT2ACT R B) (LC2ACT R B)))	0067500
(FUNCTION (LC2ACT SYMBOL)	0067600
((R SYMBOL) (B SYMBOL))	0067700
(BLOCK ((X SYMBOL))	0067800
(IF (NULL (SET X (EXHOCKY (DXREG R) B)))	0067900
(GO WCRK)	0068000
(NUMBP R) (ATTACH1 (MLDX X R)) (ATTACH1 (CONS (LOPC R) X)))	0068100
END (BLOTH R)	0068200
(RETURN (SVACT R B))	0068300
WORK (IF (NUMBP R)	0068400
(IF (NUMBP (BMODS (QUOTE ACTIVE) B))	0068500
(IF (EQN VADR (QUOTE A.))	0068600
(SET X (QUOTE AC)) (SET X (QUOTE B)) (SET X (QUOTE L)))	0068700
(EQN R (QUOTE L)) (SET X (QUOTE B)) (GO SAME))	0068800
EX1 (MCVACTIVE VTYPE X B)	0068900
(GO EXIT)	0069000
SAME (IF (BBND VBYTE)	0069100
(LC2ACT R VBYTE)	0069200
(EQ R (QUOTE AC))	0069300

(BLOCK NIL (ATTACH1 (LIST (LOPC R) VADDR (ADDRMODS VIND VREG))))	0069400
(SVACT R VBYTE)	0069500
(BLOTCR R)	0069600
(ACT2ACT R (CONS (CAR (WHATBITS B)) (CDR (WHATBITS VBYTE)))))	0069700
(BLOCK NIL (SET X (QUOTE AC)) (GO EX1)))	0069800
EXIT (RETURN (ACT2ACT R B)))	0069900
(FUNCTION (MCVPDS SYMBOL))	0070000
((XTYPE SYMBOL) (XBYTE SYMBOL))	0070100
(BLOCK NIL (MCVLOC XTYPE (IF (OR (EQN XTYPE (QUOTE SYMBOL))	0070200
(EQN XTYPE (QUOTE FUNCTIONAL))))	0070300
(QUOTE PUSH.) (QUOTE PUSHA.)) NIL NIL XBYTE)	0070400
(SET VADDR (QUOTE PCP.)))	0070500
(FUNCTION (MCVLOC SYMBOL))	0070600
((XTYPE SYMBOL))	0070700
(XADDR SYMBOL) (XREG SYMBOL) (XIND SYMBOL) (XBYTE SYMBOL))	0070800
(BLOCK ((V SYMBOL) (Y SYMBOL) (L SYMBOL)))	0070900
(IF (NULL XREG) (RETURN (MVLOC XTYPE XADDR XREG XIND XBYTE)))	0071000
(SET V (VLIST))	0071100
(SET Y (CAR (SET L (BLOCK ((LISTING SYMBOL) (VBLT SYMBOL))	0071200
(MVLOC XTYPE XADDR XREG XIND XBYTE)	0071300
(RETURN (CCNS VBLT LISTING))))	0071400
(IF (NCT (DSTRYD XREG Y)) (GO END))	0071500
FNCALL (IF (NULL (SET L (CDR L)))	0071600
(GO NCCALL)	0071700
(EQN (CAAR L) (QUOTE CALL)) (GC MCVSAV) (GO FNCALL))	0071800
NOCALL (IF (NOT (ACEQ (QUOTE AC) XREG)) (GO MOVSAV))	0071900
(VSET V)	0072000
(SET Y (CAR (SET L (BLOCK ((LISTING SYMBOL) (VBLT SYMBOL))	0072100
(MCVACTIVE XTYPE (QUOTE B) XBYTE)	0072200
(ACT2LCC XADDR XREG XIND XBYTE)	0072300
(RETURN (CCNS VBLT LISTING))))	0072400
(IF (DSTRYD XREG Y) (GO MOVSAV))	0072500
END (SET LISTING (NCONC (CDR L) LISTING))	0072600
(SET VBLT (UNION VBLT Y))	0072700
(RETURN NIL)	0072800
MOVSAV (VSET V)	0072900
(RETURN (MCVSAV XTYPE XADDR XREG XIND XBYTE NIL)))	0073000
(FUNCTION (MVLCP SYMBOL))	0073100
((XTYPE SYMBOL))	0073200
(XADDR SYMBOL) (XREG SYMBOL) (XIND SYMBOL) (XBYTE SYMBOL))	0073300
(BLOCK ((A SYMBOL)))	0073400
(IF (NCT (EQN VTYP XTYPE)) (GO SE))	0073500
ST (IF (OR (EQN VCLASS (QUOTE ACTIVE)) (L2AP.))	0073600
(RETURN (ACT2LOC XADDR XREG XIND XBYTE))	0073700
(EQN VCLASS (QUOTE LOC))	0073800
(GO EQQ)	0073900
(NOT (EQN VCLASS (QUOTE DATUM)))	0074000
(RETURN (CCMER2 VCLASS (QUOTE (NOT A PROPER CLASS))))	0074100
(CANSTZ XBYTE (LIST XADDR (ADDRMODS XIND XREG)))	0074200
(RETURN (SVLOC XADDR XREG XIND XBYTE)) (FULLW XBYTE) (GO STF))	0074300
(SET A (QUOTE L))	0074400
(GO C2)	0074500
EQQ (IF (AND (BEQ XBYTE)	0074600
(NOT VINV) (EQ XADDR VADDR) (ACEQ XREG VREG) (EQ XIND VIND))	0074700
(RETURN NIL) (NOT (FULLW XBYTE)) (GO C1))	0074800
STF (MCVACTIVE XTYPE (QUOTE AC) NIL)	0074900
(RETURN (ACT2LCC XADDR XREG XIND XBYTE))	0075000
C1 (IF (BBND XBYTE)	0075100
(IF (BBND VBYTE) (SET A (QUOTE L)) (SET A (QUOTE B)))	0075200
(SET A (QUOTE AC)))	0075300
C2 (MOVACTIVE XTYPE A XBYTE)	0075400
(RETURN (ACT2LCC XADDR XREG XIND XBYTE))	0075500
SE (IF (EQN VCLASS (QUOTE DATUM))	0075600

(CNVD XTYPE)	0075700
(NOT (ATOM (SET A (CONVP XTYPE))))	0075800
(GO STF)	0075900
(EQN A (QUOTE V))	0076000
(SET VTYPE XTYPE)	0076100
(EQN A (QUOTE TRU))	0076200
(SETTRU) (EQN A (QUOTE O)) (GC OINK) (GO STF))	0076300
(GO ST)	0076400
C CINK (MOVLCC VTYPE XADDR XREG XIND XBYTE)	0076500
(SET VTYPE XTYPE) (RETURN NIL))	0076600
(FUNCTION (DSTRYC SYMBOL))	0076700
((XREG SYMBOL) (Y SYMBOL))	0076800
(CR (MEMBER (SET XREG (IF (ATOM XREG) XREG (CAR XREG))) Y))	0076900
(AND (EQN XREG (QUOTE AC)) (MEMBER 15 Y))	0077000
(AND (EQ XREG 15) (MEMBER (QUOTE AC) Y))))	0077100
(FUNCTION (MCVSAV SYMBOL))	0077200
((XTYPE SYMBOL)	0077300
(XADDR SYMBOL)	0077400
(XREG SYMBOL) (XIND SYMBOL) (XBYTE SYMBOL) (Z SYMBOL))	0077500
(BLOCK ((X SYMBOL) (Y SYMBOL))	0077600
(SET X (IF (ATCM XREG) XREG (CAR XREG)))	0077700
(IF XIND (BLOCK NIL (ATTACH (IF (AND (NUMBP XREG) (LS XREG 9))	0077800
(LIST (QUOTE LDX) XADDR XREG XREG)	0077900
(LIST (QUOTE LDA) XADDR 15))))	0078000
(BLTCH (QUOTE AC)) (SET XIND NIL) (SET XADDR 0) G01614))	0078100
(IF (AND (EQN VCLASS (QUOTE LOC))	0078200
(ACEG (SET Y (IF (ATOM VREG) VREG (CAR VREG))) X))	0078300
(COMERR (QUOTE (VREG AND XREG ARE THE SAME FOR MOVLOC))))	0078400
(SVXREG XADDR X)	0078500
(IF (AND (EQN VCLASS (QUOTE LOC))	0078600
(MEMBER VADDR (QUOTE (POP. TOP. PUSHA. PUSHP.))))	0078700
(SET VADDR (QUOTE (TOP. -1))))	0078800
(MOVLOC XTYPE (QUOTE PCP.) NIL (QUOTE INDIRECT) XBYTE)	0078900
(IF (MEMBER XACDR (QUOTE (POP. TOP. PUSHA. PUSHP.)))	0079000
(ATTACH (QUOTE (POP. 1)))) (RETURN (SVLOC NIL NIL NIL NIL))))	0079100
(FUNCTION (SVXREG SYMBOL))	0079200
((XADDR SYMBOL) (XREG SYMBOL))	0079300
(IF (EQ 0 XADDR)	0079400
(STXREG XREG (QUOTE PUSHP.))	0079500
(BLOCK NIL (BLTCH XREG) (RETURN NIL))	0079600
NIL (IF (MEMBER XREG (QUOTE (AC 15))))	0079700
(ATTACH (LIST (QUOTE ADD) XADDR (QUOTE (R L567.7))))	0079800
(ATTACH (LIST (QUOTE BAX) (QUOTE (D. 1)) XREG XADDR)))	0079900
(STXREG XREG (QUOTE PUSHP.)) NIL))	0080000
(FUNCTION (STXREG SYMBOL))	0080100
((XREG SYMBOL) (WHERE SYMBOL))	0080200
(BLOCK NIL (IF (OR (EQN XREG (QUOTE AC)) (EQ XREG 15))	0080300
(ATTACH (LIST (QUOTE STF) WHERE))	0080400
(ATTACH (LIST (QUOTE STX) WHERE 0 XREG))))	0080500
(FUNCTION (CANSTZ SYMBOL))	0080600
((XBYTE SYMBOL) (IADR SYMBOL))	0080700
(BLOCK NIL (IF (OR (AND (EQ VADDR 0)	0080800
(OR (MEMBER VTYPE (QUOTE (INTEGER REAL))))	0080900
(AND (EQN VTYPE (QUOTE OCTAL)))	0081000
(NOT (EQUALN 7777777777777777Q VADDR))))	0081100
(AND (MEMBER VTYPE (QUOTE (SYMBOL BOOLEAN))))	0081200
(MEMBER VADDR (QUOTE (NIL FALSE))))	0081300
(GO X))	0081400
(NOT (AND (EQN VTYPE (QUOTE OCTAL)))	0081500
(EQUALN VADDR 7777777777777777Q) (FULLW XBYTE)))	0081600
(RETURN NIL))	0081700
(ATTACH1 (IF (EQ IADR (QUOTE (A.)))	0081800
(QUOTE (LDA 77Q (L7.7 R S))) (CONS (QUOTE STMZ) IADR)))	0081900

(RETURN TRUE)	0082000
X (IF (FULLW XBYTE)	0082100
(ATTACH1 (CCNS (QUOTE STZ) IACR))	0082200
(BLOCK NIL (ATTACH1 (COMPMSK XBYTE)))	0082300
(ATTACH1 (CONS (QUOTE ANS) IACR)) (BLOTHC (QUOTE AC)) C01615))	0082400
(RETURN TRUE)))	0082500
(FUNCTION (ACEQ SYMBOL)	0082600
((V SYMBOL) (X SYMBCL))	0082700
(CR (EQ V X))	0082800
(AND (EQN V (QUOTE AC)) (EQ X 15))	0082900
(AND (EQN X (QUOTE AC)) (EQ V 15))))	0083000
(FUNCTION (ACT2LCC SYMBOL)	0083100
((XADDR SYMBOL) (XREG SYMBOL) (XIND SYMBOL) (XBYTE SYMBOL))	0083200
(BLOCK ((X SYMBCL) (Y SYMBOL))	0083300
C (IF (NOT (EQN VCLASS (QUOTE ACTIVE))))	0083400
(RETURN (BLOCK NIL (CCMERR (QUOTE (ACT2LOC ENTERED AND VCLASS IS NCT ACTIVE)))))	0083500
(RETURN (MOVLOC VTYPE XADDR XREG XIND XBYTE))))	0083600
VINV (RETURN (BLOCK NIL (MOVACTIVE VTYPE VREG XBYTE))	0083700
(RETURN (ACT2LOC XADDR XREG XIND XBYTE))))	0083800
(NUMPV VREG)	0083900
(GO STX)	0084000
(FULLW XBYTE)	0084100
(GO STF) (NUMPV (SET X (BMODS (QUOTE LOC) XBYTE))) (GO MSKS))	0084200
(ATTACH1 (LIST (STOC VREG) XADDR (TAGF (ADDRMODS XIND XREG) X)))	0084300
(GO XX)	0084400
STF (ATTACH1 (LIST (IF (OR (EQ VREG (QUOTE AC))	0084500
(NCT (FULLW VBYTE))))	0084600
(BLOCK NIL (ACT2ACT (QUOTE AC) NIL) (RETURN (QUOTE STF)))	0084700
(STOC VREG) XADDR (ADDRMODS XIND XREG)))	0084800
(GO XX)	0084900
STX (IF (NULL (SET X (STXR XBYTE))) (GO CREG))	0085000
(ATTACH1 (LIST (QUOTE STX)	0085100
XADDR (TAGF (IF (EQN X (QUOTE RA)) O X))	0085200
(ADDRMODS XIND XREG)) VREG))	0085300
(GO XX)	0085400
CREG (IF (NUMPV (BMODS (QUOTE LCC) XBYTE))	0085500
(SET X (QUOTE AC)) (SET X (QUOTE L)))	0085600
(ACT2ACT X VBYTE)	0085700
(GO O)	0085800
MSKS (ACT2ACT (QUOTE L) XBYTE)	0085900
(SET X (IF (EQ O (SET X (ADDRMCCS XIND XREG))) NIL (LIST X)))	0086000
(SET LISTING (NCNC (REVERSE (LIST (COMPMSK XBYTE)	0086100
(APPEND (LIST (QUOTE ANA)	0086200
(IF (MEMBER XADDR (QUOTE (POP. PUSHA. PUSHP.)))	0086300
(QUOTE TOP.) XADDR)) X)	0086400
(QUOTE (CRA L.))	0086500
(APPEND (LIST (QUOTE STF) XADDR) X))) LISTING))	0086600
(BLOTHC (QUOTE AC)) XX (RETURN (SVLOC XADDR XREG XIND XBYTE))))	0086700
(FUNCTION (CCMPMSK SYMBOL)	0086800
((XBYTE SYMBOL))	0086900
(BLOCK ((VBYTE SYMBOL))	0087000
(RETURN (CCNS (QUOTE LDA)	0087100
(NADDR (WORDXOR 7777777777777777Q (MMSK XBYTE))	0087200
(QUOTE CCTAL) NIL))))	0087300
(FUNCTION (ATTACH1 SYMBOL)	0087400
((X SYMBOL))	0087500
(BLOCK ((Y SYMBOL))	0087600
(IF (AND (CDR X) (SET Y (CDDR X))) (GO A))	0087700
(ATTACH X)	0087800
(RETURN NIL)	0087900
A (IF (ATOM (CAR Y))	0088000
(IF (NULL (CDR Y))	0088100
	0088200

(IF (EQ C (CAR Y))	0088300
(ATTACH (LIST (CAR X) (CADR X))) (ATTACH X)) (ATTACH X))	0088400
(GO SBL) (RETURN NIL) SBL (ATTACH X)))	0088500
(FLNCTCN (STXR SYMBCL)	0088600
((XBYTE SYMBOL))	0088700
(IF (OR (ATCM XBYTE) (EQ 18 (CADR XBYTE))) (LXRM XBYTE) NIL))	0088800
(FUNCTION (FULLW SYMBCL)	0088900
((XBYTE SYMBCL)) (OR (NULL XBYTE) (EQ XBYTE (QUOTE (0 48)))))	0089000
(FUNCTION (STOC SYMBOL)	0089100
((REG SYMBOL))	0089200
(IF (MEMBER REG (QUOTE (AC B L)))	0089300
(CADR (SASSCC REG (QUOTE ((AC STA) (B STB) (L STL))) CADRNIL))	0089400
(BLOCK NIL (COMER2 REG (QUOTE (NOT A LEGAL REGISTER FOR STA CLASS)	0089500
)) (RETURN (QUOTE STORE))))	0089600
(FUNCTION (SVLCC SYMBCL)	0089700
((ADDR SYMBOL) (REG SYMBOL) (IND SYMBOL) (BYTE SYMBOL))	0089800
(BLOCK NIL (SET VCLASS (QUOTE LCC))	0089900
(SET VADDR ADDR) (SET VREG REG) (SET VIND IND) (SET VBYTE BYTE))))	0090000
****END OF FILE DETECTED	

(SIM2 (SECTION MANIP BOCLEAN)	0000100
(FUNCTION ((SIM . LISP) BOOLEAN)	0000200
((P SYMBOL) (X SYMBOL))	0000300
(IF (ATCM P)	0000400
(ATMFN P X)	0000500
(ATOM (CAR P))	0000600
(IF (EQ (QUOTE OR.) (CAR P)) (ORFN (CDR P) X) (SIMFN P X))	0000700
(EQ (CAAR P) (QUOTE ANY.))	0000800
(ANYFN P X)	0000900
(EQ (CAAR P) (QUOTE C.))	0001000
(CNTFN (CADAR P) (CADDAR P) (CACDDAR P) (CDR P) X) (SIMFN P X)))	0001100
(FUNCTION (SIMFN BOOLEAN)	0001200
((P SYMBOL) (X SYMBOL))	0001300
(IF (ATCM X)	0001400
FALSE (AND (SIM (CAR P) (CAR X)) (SIM (CDR P) (CDR X))))	0001500
(FUNCTION (ATMFN BOCLEAN)	0001600
((P SYMBOL) (X SYMBOL))	0001700
(BLOCK ((Z SYMBOL (FIND P METALST)))	0001800
(IF (NULL Z) (RETURN (EQUALN P X)))	0001900
(BLOCK ((F (FUNCTIONAL BOOLEAN SYMBOL) (CDR Z)))	0002000
(RETURN (F X))))	0002100
(FUNCTION (ORFN BOCLEAN)	0002200
((L SYMBOL) (X SYMBOL))	0002300
(BLOCK ((Y SYMBOL))	0002400
(FOR Y (IN L) (IF (SIM Y X) (RETURN TRUE))) (RETURN FALSE)))	0002500
(FUNCTION (ANYFN BOOLEAN)	0002600
((P SYMBOL) (X SYMBOL))	0002700
(IF (ATCM X)	0002800
(SIM (CDR P) X)	0002900
(ORFN (CDAR P) (CAR X)) (SIM (CDR P) (CDR X)) (SIM (CDR P) X))	0003000
(FUNCTION (CNTFN BOOLEAN)	0003100
((I INTEGER) (J INTEGER) (M SYMBOL) (P SYMBOL) (X SYMBOL))	0003200
(IF (EQ I 0)	0003300
(IF (EQ J 0)	0003400
(SIM P X)	0003500
(AND (NOT (ATCM X)) (SIM M (CAR X)))	0003600
(CNTFN 0 (DIFFERENCE J 1) M P (CDR X)) (SIM P X))	0003700
(AND (NOT (ATOM X))	0003800
(SIM M (CAR X))	0003900
(CNTFN (DIFFERENCE I 1) (DIFFERENCE J 1) M P (CDR X))))	0004000
(DECLARE (METALST SYMBOL))	0004100
(SET METALST (LIST (CCNS (QUOTE A.))	0004200
(FUNCTION ((G02427 . G02428) BOCLEAN) ((A SYMBOL)) (ATOM A)))	0004300
(CONS (QUOTE N.))	0004400
(FUNCTION ((G02429 . G02430) BOCLEAN) ((N SYMBOL)) (NUMBP N)))	0004500
(CONS (QUOTE S.))	0004600
(FUNCTION ((G02431 . G02432) BOCLEAN) ((X SYMBOL)) TRUE))	0004700
(CONS (QUOTE L.))	0004800
(FUNCTION ((G02433 . G02434) BOCLEAN) ((X SYMBOL)) (LISTP X)))	0004900
(CONS (QUOTE ID.))	0005000
(FUNCTION ((G02435 . G02436) BOCLEAN) ((X SYMBOL)) (IDP X)))	0005100
(CONS (QUOTE V.))	0005200
(FUNCTION ((G02437 . G02438) BOCLEAN)	0005300
((X SYMBOL)) (SIM (QUOTE (OR. ID. (ID. . ID.))) X))))))	0005400

****END OF FILE DETECTED

C

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C

(SLPDEC (SECTION SYS))	0000100
MACRO1 (((NAME2FUNC (LAMBDA (L))	0000200
(SUBST (CADR L)	0000300
(QUOTE V)	0000400
(QUOTE (CHEAT INTEGER FUNCTIONAL (PLUS (S20. (GETFREE (CAR V)	0000500
(CDR V)) 1777777Q)))))))	0000600
(SECTION (SUPV CCPIL SYS LISP) SYMBOL)	0000700
(FUNCTION ((SIM . LISP) BOOLEAN) ((P SYMBOL) (X SYMBOL)))	0000800
(DECLARE ((ONEPASS . LISP) BOOLEAN FLUID)	0000900
((LISPVALUE . LISP) SYMBOL FLUID)	0001000
((TRYLC . LISP) SYMBOL FLUID)	0001100
((PARENFLAG . LISP) BOOLEAN FLUID)	0001200
((PRNERR . LISP) BOOLEAN FLUID)	0001300
((PRNMAX . LISP) INTEGER OWN)	0001400
((BACTRC . LISP) SYMBOL FLUID)	0001500
((BACKTRACE . LISP) SYMBOL OWN)	0001600
((BADEXP . LISP) SYMBOL FLUID)	0001700
((PRNIL . LISP) BOOLEAN FLUID)	0001800
((PRNLAP . LISP) BOOLEAN FLUID) ((BINLAP . LISP) BOOLEAN FLUID))	0001900
(FUNCTION ((FVLIS1 . CCPIL) SYMBOL) ((X SYMBOL)))	0002000
(FUNCTION ((COMER2 . CCPIL) SYMBOL) (A B))	0002100
(FUNCTION ((FUNCTIO . CCPIL) SYMBOL) (A))	0002200
(FUNCTION ((FNDEC . CCPIL) SYMBOL) ((EXP SYMBOL)))	0002300
(FUNCTION ((DECL1 . CCPIL) SYMBOL) ((D SYMBOL)))	0002400
(FUNCTION ((SECSET . CCPIL) SYMBOL)	0002500
((IDLIST SYMBOL) (DFTYPE SYMBOL)))	0002600
(FUNCTION ((DEFAULT . CCPIL) SYMBOL) ((DFTYPE SYMBOL)))	0002700
(DECLARE ((IRLIST . CCPIL) FLUID)	0002800
((APLIST . CCPIL) FLUID) ((STYPE . CCPIL) FLUID))	0002900
(DECLARE (EXITERS SYMBOL OWN)	0003000
(MSGFILE SYMBOL OWN)	0003100
(INFILE FLUID)	0003200
(CUTFILE FLUID)	0003300
FORMAT FLUID)	0003400
(INDEV FLUID)	0003500
(KEEP SYMBOL FLUID)	0003600
(PASS INTEGER FLUID)	0003700
(ERRFLG BOOLEAN FLUID) (QUOTARGS SYMBOL FLUID))	0003800
(DECLARE ((INTERACT . LISP) BOOLEAN FLUID)	0003900
((TTY . SYS) SYMBOL OWN) ((TTY . SYS) SYMBOL OWN))	0004000
(FUNCTION ((LCEXP . LCOMP) SYMBOL) ((EXP SYMBOL FREE) (T SYMBOL)))	0004100
(FUNCTION SLREAD NIL)	0004200
(SET MSGFILE (QUOTE (CITY)))	0004300
(SET EXITERS (LIST (QUOTE STOP)	0004400
(QUOTE END) (QUOTE (STOP)) (OCT2CH 34Q) (OCT2CH 31Q)))	0004500
(SET PRNMAX 15) (SET PRNERR FALSE) (SET BINLAP TRUE))	0004600
(SUPERVISOR (SECTION (SUPV CCPIL LCOMP SYS))	0004700
(FUNCTION (LISP . LISP)	0004800
((INFILE FLUID) (OUTFILE FLUID) (FORMAT FLUID))	0004900
(IF (NOT ONEPASS)	0005000
(BLOCK ((KEEP FLUID) ((GNLIST . SYS) FLUID))	0005100
(RETURN ((LISP . SUPV)))) ((LISP . SUPV)))	0005200
(FUNCTION (LISP . SUPV)	0005300
NIL (BLOCK (((STYPE . CCPIL) (QUOTE SYMBOL))	0005400
((LISPVALUE . LISP) NIL)	0005500
((SLIST . CCPIL) (QUOTE (USER LISP)))	0005600
(INDEV FLUID (DEVTYPE INFILE)) R)	0005700
(BLOCK (((SNAME . CCPIL) (CAR (SLIST . CCPIL))))	0005800
(MESSAGE (QUOTE LISPENTRY))	0005900
X (IF (MEMBER (SET R (SREAD)) EXITERS) (GO OUT))	0006000
(MESSAGE (BLOCK NIL (IF (EQ FORMAT (QUOTE IL))	0006100
(SET R (LIST (QUOTE DUMMY) R))))	0006200
(SET R (IF (NEPASS (ED1SUP R) (ED2SUP R))))	0006300

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  (RETURN (IF (EQ FORMAT (QUOTE IL)) (CADR R) R)))
  (GO X) CUT (MESSAGE (QUOTE LISPEXIT)) (RETURN LISPVALUE)))
(FUNCTION SREAD NIL (BLOCK ((IN (INPUT INFILE)) R)
  A (BLOCK (((INTERACT . LISP) FALSE) ((PRNERR . LISP) FALSE))
    (TRY R ERR (BLOCK NIL (IF PARENFLAG (ENDIN))
      (SET R (IF (EQ FORMAT (QUOTE SL)) (SLREAD) (READ)))))))
  (INPUT IN)
  (IF PRNIL (SPRINT R))
  (RETURN R)
  ERR (IF (NC INDEV (QUOTE TTY))
    (BLOCK NIL (IF PRNERR (MESSAGE R)) (INPUT IN) (EXIT R)))
  (MESSAGE R)
  (MESSAGE (QUOTE (*STRING 'B 'A 'D ' 'R 'E 'A 'D ', ' 'T 'R 'Y '
    'A 'G 'A 'I 'N '.))) (GO A)))
(FUNCTION SPRINT (X)
  (BLOCK ((CUT (OUTPUT OUTFILE)))
    (PRETTYP X) (OUTPUT OUT) (RETURN X)))
(FUNCTION ED1SUP (J)
  (IF (NOT (LISTP J))
    (CONS J (QLCTE (NOT ED FORMAT))))
  (BLOCK ((PASS 1))
    (RETURN (CCNS (CAR J) (MAPCAR (CDR J) OPERATE))))))
(FUNCTION ED2SUP (J)
  (IF (NOT (LISTP J))
    (CONS J (QUOTE (NOT ED FORMAT))))
  (BLOCK NIL (IF (GR (LENGTH J) 2)
    (BLOCK (((SNAME . COMPILE) SNAME)
      ((SLIST . COMPILE) SLIST) ((STYPE . COMPILE) STYPE))
      (ED1SUP J)))
    (BLOCK ((PASS 2))
      (RETURN (CCNS (CAR J) (MAPCAR (CDR J) OPERATE))))))
  (FUNCTION OPERATE (X)
    (BLOCK ((ERRFLG FLUID FALSE) Z)
      RESTART (IF (EQ X (QUOTE EXIT))
        (EXIT LISPVALUE)
        (SET Z (FIND X QUOTARGS)))
      (BLOCK (((PARENFLAG . LISP) FALSE))
        (TRY Z EVALER (RETURN (EVALQUOTE (CDR Z))))))
      (NOT (LISTP X))
      (GO EVAL)
      (OR (EQ (CAR X) (QUOTE FUNCTION)) (EQ (CAR X) (QUOTE ROUTINE)))
        (IF (SIM (QUOTE ((CR. V. (V. ID.)) L. (ANY. S.))) (CDR X))
          (BLOCK NIL (SET Z (IF (OR (EQ PASS 1) (NULL (CDDR X)))
            (FNDEC X) (COMPILER X))) (GO TESTEM)))
        (OR (EQ (CAR X) (QUOTE MACRO))
          (EQ (CAR X) (QUOTE INSTRUCTIONS)))
        (BLOCK NIL (SET Z (FNAID X)) (GO TESTEM))
        (EQ (CAR X) (QUOTE DECLARE))
        (BLOCK NIL (SET Z (MAPCAR (CDR X) DECL1)) (GO TESTEM))
        (EQ (CAR X) (QUOTE SECTION))
        (IF (SIM (QUOTE ((CR. ID. ((C. 0 10000 ID.)) (ANY. ID.)))
          (CDR X))
          (BLOCK NIL (SET Z (SECSET (CADR X)
            (IF (CDDR X) (CADDR X) (QUOTE SYMBOL)))) (GO TESTEM)))
        (EQ (CAR X) (QUOTE DEFAULT))
        (IF (SIM (QUOTE (ID.)) (CDR X))
          (BLOCK NIL (SET Z (DEFAULT (CADR X))) (GO TESTEM)))
        (EQ (CAR X) (QUOTE LAP))
        (IF (SIM (QUOTE ((ID. (V. ID. )
          L. (C. 0 10000 (CR. ID. L.)) ) L. ID.)) (CDR X))
          (BLOCK NIL (SET Z (IF (EQ PASS 2) (LAPP X) (CAAADADR X)))
            (GO TESTEM))) (LABEL EVAL (TRY Z EVALER (RETURN (EVAL X))))))
        (COMER2 X (QUOTE (SYNTAX ERROR)))))))

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TESTEM (IF ERRFLG (GO EVALER))	0012700
RET (RETURN Z)	0012800
EVALER (IF (OR (NOT INTERACT) (EQ INDEV (QUOTE TTY))) (GO RET))	0012900
(SET ERRFLG FALSE)	0013000
(BLOCK (((BADEXP . LISP) X))	0013100
(IF (NOT ((LISP . LISP) ITTY CTTY (QUOTE IL))) (GO RET))	0013200
(SET X BADEXP) (GO RESTART)))	0013300
(FUNCTION EVALQUOTE (FNAME)	0013400
(BLOCK ((FN (FUNCTIONAL SYMBOL FUNCTIONAL) (CDR FNAME)))	0013500
(RETURN (FN (CAR FNAME))))	0013600
(FUNCTION LAPP (L)	0013700
(IF (NOT BINLAP)	0013800
(BLOCK NIL (IF PRNLAP (SPRINT L)))	0013900
(BLOCK ((X (LAP (CADR L) (CADDR L) (CADDR L))))	0014000
(IF ERRFLG (RETURN (LIST X (QUOTE BAD))) PRNLAP (SPRINT L))	0014100
(IF (EQ (QUOTE RUN) (CDR X))	0014200
(BLOCK ((V (EVAL (LIST X))))	0014300
(EXCISE (CAR X) (CDR X)) (RETURN V)) (RETURN X))))	0014400
(FUNCTION KEEPER (X)	0014500
(IF (MEMBER X KEEP) KEEP (SET KEEP (CONS X KEEP))))	0014600
(FUNCTION FNAD (X)	0014700
(BLOCK NIL (IF (NOT (OR (SIM (QUOTE (INSTRUCTIONS (CR. V. (V. NOVALUE)) NIL S.)) X) (SIM (QUOTE (MACRO (OR. V. (V. SYMBOL)) (S.) S.)) X))) (GO HACK)))	0014800
(BLOCK ((Z (CADR X)) (MFLAG BOCLEAN (EQ (CAR X) (QUOTE MACRO))))	0014900
(IF (EQ PASS 1)	0015000
(RETURN Z)	0015100
(AND MFLAG (BLOCK ((Y (CADDR X)))	0015200
(IF (NOT (LENGTH Y) 1)	0015300
(RETURN TRUE)	0015400
(SIM (QUOTE V.) (CAR Y))	0015500
(SET (CAACDR X) (LIST (CAR Y) (QUOTE SYMBOL)))	0015600
(SIM (QUOTE (V. SYMBOL . S.)) (CAR Y))	0015700
(RETURN NIL)	0015800
(SET (CDAACDR X) (CONS (QUOTE SYMBOL) (CDAR Y))))	0015900
(GO HACK)	0016000
(BLOCK NIL (IF (SIM (QUOTE V.) (CADR X))	0016100
(SET (CADR X)	0016200
(LIST (CADR X) (IF MFLAG (QUOTE SYMBOL) (QUOTE NOVALUE))))))	0016300
(RETURN (COMPILER X)))))) HACK (COMER2 X (QUOTE (HACK DEF))))	0016400
(SET (CADR X))	0016500
(LIST (CADR X) (IF MFLAG (QUOTE SYMBOL) (QUOTE NOVALUE))))))	0016600
(RETURN (COMPILER X))))))	0016700
(FUNCTION COMPILER (X)	0016800
(BLOCK ((IRLIST . COMPIL) (APLIST . COMPIL))	0016900
(BLOCK ((F (FUNCTION X)))	0017000
(RETURN (IF ERRFLG (LIST (CADR X) (QUOTE BAD)) (LAPP F))))))	0017100
(FUNCTION (CCMPILER . LISP)	0017200
(J) (BLOCK ((PASS 2)) (RETURN ((COMPILER . SUPV) J))))	0017300
(FUNCTION (EVAL . LISP)	0017400
(S D E)	0017500
(BLOCK ((SNAME . COMPIL)	0017600
(SLIST . COMPIL)	0017700
(STYPE . COMPIL) (PASS 2) ((ERRFLG . SUPV) FALSE))	0017800
(OPERATE (LIST (QUOTE SECTION) S D))	0017900
(IF ERRFLG (RETURN NIL)) (RETURN ((EVAL . SUPV) E))))	0018000
(FUNCTION ((EVAL . SUPV) SYMBOL)	0018100
((J SYMBOL))	0018200
(BLOCK ((V SYMBOL (CONS (GENID) (QUOTE RUN))) (L SYMBOL))	0018300
(IF (EQ (PASS . SUPV) 1) (RETURN NIL) (NOT TRYLC) (GO BC))	0018400
LC (BLOCK ((LISTING . LCOMP) SYMBOL FREE))	0018500
(TRY L BCP (LCEXP J (QUOTE SYMBOL)))	0018600
(SET L (SUBST (DREVERSE (APPEND (QUOTE ((RETURN) (END))))	0018700
(LISTING . LCOMP))))	0018800
(QUOTE E))	0018900

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(SUBST V (QUOTE V)
  (QUOTE (LAP (FUNCTION (V SYMBOL)
    NIL (BEGIN) . E) NIL RUN)))))

(GO RUN)
BCP (IF (EQ TRYLC (QUOTE ONLY)) (GO ERROR))
BC (SET L ((FUNCTION . COMPILE)
  (LIST (QUOTE FUNCTION) (LIST V (QUOTE SYMBOL)) NIL J)))
RUN (IF (ERRFLG . SUPV) (GO ERRCR))
(LAP (CADR L) (CADDR L) (CADDR L))
(IF (ERRFLG . SUPV) (GO ERROR))
(BLOCK ((G (FUNCTIONAL SYMBOL) (NAME2FUNC V))
  ((PRNERR . LISP) FALSE)) (TRY L EXERR (SET L (G))))
(Excise (CAR V) (CDR V))
(RETURN L)
EXERR (MESSAGE (LIST J (QUOTE (*STRING ' 'E 'V 'A 'L ' 'E 'X 'I
  'T ' 'V 'A 'L 'U 'E ' ' ' ' ' )) L))
(MESSAGE (LIST (QUOTE (*STRING 'B 'A 'C 'T 'R 'A 'C 'E ' ' ' ' ' )) BACKTRACE))
(Excise (CAR V) (CDR V))
ERROR (EXIT (QUOTE (*STRING 'B 'A 'D ' 'E 'V 'A 'L '.))))
(FUNCTION EXCISE (N S)
  (BLOCK NIL (DELETE (GETFREE N S) KEEP))
  (RETURN ((EXCISE . LISP) N S)))))

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(LCOMP (SECTION (LCOMP SYS) SYMBOL))	C000100
(DECLARE (LISTING SYMBOL FREE))	0000200
(EXP SYMBOL FREE)	0000300
(INV SYMBOL FREE)	0000400
((TRYLC . LISP) SYMBOL FREE TRUE)	0000500
((SLIST . CCMPIL) SYMBOL FREE)	0000600
((STYPE . CCMPIL) SYMBOL FREE)	0000700
((ERRFLG . SUPV) BOOLEAN FREE)	0000800
((PASS . SUPV) INTEGER FREE)	0000900
((PRNERR . LISP) BOOLEAN FREE))	0001000
MACRO1 (((NAME2FUNC (LAMBDA (L)	0001100
(SUBST (CADR L)	0001200
(QUOTE V)	0001300
(QUOTE (CHEAT INTEGER FUNCTIONAL (PLUS (S20. (GETFREE (CAR V)	0001400
(CDR V)))) 1777777Q)))))))	0001500
)FUNCTION (LCEXP SYMBOL)	0001600
((EXP SYMBOL FREE) (T SYMBOL)) (LCCONV (LCE EXP) T))	0001700
(FUNCTION (LCE SYMBOL)	0001800
((EXP SYMBOL FREE))	0001900
(BLOCK ((X SYMBOL))	0002000
(IF (AND (ATOM EXP) (NOT (IDP EXP)))	0002100
(RETURN (LCE (QUOTER EXP))) (LISTP EXP) (RETURN (LCFORM)))	0002200
(SET X (LCVAR EXP FALSE))	0002300
(IF (NULL X) (LCEEXIT))	0002400
(ATTACH (CCNS (QUOTE LDA) (CDR X))) (RETURN (CAR X))))	0002500
)FUNCTION (LCFORM SYMBOL)	0002600
NIL (BLCK ((V SYMBOL (CAR EXP))	0002700
(D SYMBOL)	0002800
(C SYMBOL) (X SYMBOL) (L SYMBOL) (A SYMBOL) (T SYMBOL))	0002900
(IF (NULL (SET D (LCFREE V))) (LCEEXIT))	0003000
(IF (EQ (CAR D) (QUOTE MACRO))	0003100
(BLOCK ((G (FUNCTIONAL SYMBOL SYMBOL) (NAME2FUNC V)))	0003200
(RETURN (LCE (G EXP)))))	0003300
(EQ (CAR D) (QUOTE INSTRUCTIONS))	0003400
(IF (NQ (CDR V) (QUOTE LLISP))	0003500
(LCEEXIT)	0003600
(BLOCK ((G (FUNCTIONAL SYMBOL) (NAME2FUNC V))	0003700
(INV SYMBOL FREE)) (G) (RETURN INV)))	0003800
(OR (EQ (CAR D) (QUOTE FUNCTION)) (EQ (CAR D) (QUOTE ROUTINE)))	0003900
(SET C (LIST (LIST (QUOTE CALL) V)))	0004000
(EQ (CAR (SET X (LCVAR V FALSE))) (QUOTE FUNCTIONAL))	0004100
(SET C (SUBST (CDR X)	0004200
(QUOTE A)	0004300
(QUOTE ((LDB . A)	0004400
(STB (FMCALL . SYS)) (CALL (FMCALL . SYS)))))))	0004500
(LCEEXIT))	0004600
CALL (ATTACH (QUOTE (ARGS)))	0004700
(SET X (CDADR D))	0004800
(LCNELS (LENGTH X))	0004900
(IF (NULL (SET L (CDR X))) (GO F2))	0005000
(SET A (CDR EXP))	0005100
F1 (SET T (IF (EQ (CADAR L) (QUOTE LOC))	0005200
(BLOCK NIL (LCLOC (CAR A) (CAAR L)) (RETURN (QUOTE SYMBOL))))	0005300
(LCEXP (CAR A) (CAAR L))))	0005400
(SET A (CDR A))	0005500
(IF (SET L (CDR L)) (BLOCK NIL (LCPUSH T) (GO F1)))	0005600
F2 (ATTSEQ C)	0005700
(SET T (CAR X))	0005800
(RETURN (IF (NQ T (QUOTE NOVALUE))	0005900
T (BLOCK NIL (ATTACH (QUOTE (STZ A.))))	0006000
(RETURN (QUOTE SYMBOL)))))))	0006100
(INSTRUCTIONS ((QUOTE . LLISP) NOVALUE)	0006200
NIL (BLCK NIL (LCNELS 2)	0006300

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(ATTACH (LIST (QUOTE LDA) (QUOTER (CADR EXP)))) 0006400
(SET INV (QUOTE SYMBOL))) 0006500
(INSTRUCTIONS ((SET . LLISP) NOVALUE) 0006600
NIL (BLCK ((X SYMBOL) (T SYMBOL)) 0006700
(LCNELS 3) 0006800
(SET X (LCVAR (CADR EXP) FALSE)) 0006900
(IF (NULL X) (LCEEXIT)) 0007000
(SET T (LCE (CADDR EXP))) 0007100
(IF (NQ T (CAR X)) (LCPUSH T)) 0007200
(LCCONV T (CAR X)) 0007300
(ATTACH (CCNS (QUOTE STF) (CDR X))) 0007400
(IF (NQ T (CAR X)) (ATTACH (QUOTE (LDA POP.))) (SET INV T)) 0007500
(FUNCTION ((CAR . LLISP) SYMBOL) ((X SYMBOL)) (CAR X)) 0007600
(FUNCTION ((CDR . LLISP) SYMBOL) ((X SYMBOL)) (CDR X)) 0007700
(FUNCTION (LCLCC SYMBOL) 0007800
((E SYMBOL) (T SYMBOL)) 0007900
(BLOCK ((D SYMBOL (LCVAR E TRUE))) 0008000
(IF (OR (NULL D) (NQ (CAR D) T)) (LCEEXIT)) 0008100
(ATTACH (CCNS (QUOTE LDA) (CDR D)))) 0008200
(FUNCTION (LCVAR SYMBOL) 0008300
((V SYMBOL) (MLCC BOOLEAN)) 0008400
(BLOCK ((D SYMBOL (LCFREE V)) (K SYMBOL) (A SYMBOL)) 0008500
(IF (NULL D) (RETURN NIL)) 0008600
(SET K (CAR D)) 0008700
(IF (AND (EQ K (QUOTE CWN)) 0008800
(NQ (CADR D) (QUOTE LOC)) (NOT (SET MLOC (NOT MLOC)))) 0008900
(SET A (QUOTE (R L4567.7))) 0009000
(AND (EQ K (QUOTE FUNCTION)) (NOT MLOC)) 0009100
(SET A (QUOTE (2Q1 R L4567.7))) 0009200
(MEMBERN K (QUOTE (CWN FLUID FREE))) 0009300
(SET A (IF MLCC D (QUOTE I))) (RETURN NIL)) 0009400
(RETURN (LIST (FTYPER (CADR D)) V A))) 0009500
(FUNCTION (LCFREE SYMBOL) 0009600
((V SYMBOL LCC)) 0009700
(BLOCK ((X SYMBOL) (N SYMBOL V) (S SYMBOL (SLIST . COMPILE))) 0009800
(IF (ATOM V) 0009900
(IF (NOT (IDP V)) (RETURN NIL)) 0010000
(BLOCK NIL (SET N (CAR V)) (SET S (LIST (CDR V))))) 0010100
(FOR S (IN S) 0010200
(IF (CR (AND (EQ S (QUOTE LISP)) 0010300
(SET X (GETFREE N (QUOTE LLISP)))) (SET X (GETFREE N S))) 0010400
(BLOCK NIL (SET V (VARNAMES X)) 0010500
(SET X (FVLIST X)) 0010600
(IF (NQ (CAR X) (QUOTE MEANS)) (RETURN X)) 0010700
(SET V (CCNS (CADR X) (CADDR X))) (RETURN (LCFREE V)))))) 0010800
(FUNCTION (LCCNV SYMBOL) 0010900
((T1 SYMBOL) (T2 SYMBOL)) 0011000
(BLOCK ((X SYMBOL)) 0011100
(IF (EQN T1 T2) (GO R)) 0011200
(IF (SET X (FINDN T1 (QUOTE ((CCTAL . OCT2SYM)
(INTEGER . INT2SYM)
(REAL . REAL2SYM) (FUNCTIONAL . FORM2SYM)))))) 0011300
(ATTCCN (CDR X))) 0011400
(IF (EQ T2 (QUOTE BOOLEAN)) 0011500
(ATTACH (QUOTE (BUC (ENTRY STBENT) 0 4))) 0011600
(SET X (FINDN T2 (QUOTE ((OCTAL . SYM2OCT)
(INTEGER . SYM2INT)
(REAL . SYM2REAL) (FUNCTIONAL . SYM2FORM)))))) 0011700
(ATTCCN (CDR X))) R (RETURN T2)) 0011800
(FUNCTION (LCNELS SYMBOL) 0011900
((N INTEGER)) 0012000
(IF (AND (LISTP EXP) (EQ (LENGTH EXP) N)) TRUE (LCEEXIT)) 0012100
(FUNCTION (LCEEXIT SYMBOL) NIL (EXIT NIL)) 0012200
(FUNCTION (LCNELS SYMBOL) 0012300
((N INTEGER)) 0012400
(IF (AND (LISTP EXP) (EQ (LENGTH EXP) N)) TRUE (LCEEXIT)) 0012500
(FUNCTION (LCEEXIT SYMBOL) NIL (EXIT NIL)) 0012600

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(FUNCTION (LCPUSH SYMBOL))	C012700
((T SYMBOL))	C012800
(ATTACH (LIST (QUOTE STF))	C012900
(IF (CR (EQ T (QUOTE SYMBOL))) (EQ T (QUOTE FUNCTIONAL)))	C013000
(QUOTE PUSHP.) (QUOTE PUSHA.))))	C013100
(FUNCTION (ATTCON SYMBOL))	0013200
((V SYMBOL))	C013300
(BLOCK NIL (ATTACH (QUOTE (ARGS))))	C013400
(ATTACH (LIST (QUOTE CALL) (CONS V (QUOTE LISP))))))	C013500
(FUNCTION (ATTSEC SYMBOL))	C013600
((X SYMBOL)) (BLOCK NIL (FOR X (IN X) (ATTACH X))))	C013700
(FUNCTION (ATTACH SYMBOL))	C013800
((I SYMBOL)) (BLOCK NIL (SET LISTING (CONS I LISTING))))	C013900
(FUNCTION (QUOTER SYMBOL) ((X SYMBOL)) (LIST (QUOTE QUOTE) X)))	0014000
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(CCMETA (SECTION (COMETA LISP COMPILE SUPV SYS) SYMBOL))	0000100
(DECLARE (COMLST SYMBOL FLUID))	0000200
((PRNIL . LISP) BOOLEAN FREE FALSE))	0000300
(FUNCTION (CCMETA SYMBOL))	0000400
(X)	0000500
(BLOCK NIL (IF (PRNIL . LISP) (SPRINT X) (SUPOTY (CADR X))) (RETURN (IF (EQ (CAR X) (QUOTE SECTION)) (SECSET X) (COMP X))))))	0000600 0000700
(FUNCTION (SECSET SYMBOL))	0000800
(S)	0000900
(BLOCK NIL (SET (STYPE . COMPIL) (CADDR S)) (IF (ATOM (SET (SLIST . COMPIL) (CADR S))) (SET (SLIST . COMPIL) (LIST (SLIST . COMPIL)))) (IF (NOT (MEMBER (QUOTE LISP) (SLIST . COMPIL))) (SET (SLIST . COMPIL) (APPEND (SLIST . COMPIL) (QUOTE (LISP)))))) (RETURN (SET (SNAME . COMPIL) (CAR (SLIST . COMPIL))))))	0001000 0001100 0001200 0001300 0001400 0001500 0001600
(FUNCTION (CCMP SYMBOL))	0001700
(F)	0001800
(BLOCK ((VCLASS . COMPIL) (VADDR . COMPIL) ((LISTING . CCMPIL) (LIST (QUOTE FUNCTION))) (REFLIST . COMPIL) (TGO . COMPIL) (FGO . COMPIL)) (MAKEFREE (CADR F)) (SNAME . COMPIL) (QUOTE FUNCTION) (QUOTE (FUNCTIONAL SYMBOL)) (QUOTE VALUE)) (BLOCK ((N (CONS (CADR F) (SNAME . COMPIL)))) (ATTACH (LIST N (QUOTE SYMBOL))) (ATTACH NIL) (ATTACH (QUOTE (BEGIN))) (COMVAL (CADDR F)) (ATTACH (QUOTE (END))) (ATTACH (QUOTE (RETURN))) (SET (LISTING . COMPIL) (DREVERSE (LISTING . COMPIL))) (IF (PRNLAP . LISP) (SPRINT (LIST (QUOTE LAP)) (LISTING . CCMPIL) (REFLIST . COMPIL) (SNAME . COMPIL)))) (IF (BINLAP . LISP) (LAP (LISTING . CCMPIL) (REFLIST . COMPIL) (SNAME . COMPIL))) (RETURN N))))	0001900 0002000 0002100 0002200 0002300 0002400 0002500 0002600 0002700 0002800 0002900 0003000 0003100 0003200 0003300 0003400 0003500 0003600 0003700 0003800 0003900 0004000 0004100 0004200 0004300 0004400 0004500 0004600 0004700 0004800 0004900 0005000 0005100 0005200 0005300 0005400 0005500 0005600 0005700 0005800 0005900 0006000 0006100 0006200 0006300
(FUNCTION (ATTACH SYMBOL))	
(L) (ATTACH (LIST (QUOTE BUC) (LABELER L))))	0004100
(FUNCTION (LABELER SYMBOL) (L) (LIST (QUOTE LABEL) L))	0004200
(FUNCTION ATTACHL (L))	0004300
(BLOCK NIL LCCP (SCOTCH L LISTING) (IF (NOT (REFLAB L LISTING)) (RETURN LISTING)) (BLOCK ((K LISTING)) A (IF (ATCM (CAR K)) (BLOCK NIL (SET K (CDR K)) (GO A))) (IF (AND (EQ (CAAR K) (QUOTE BUC)) (NOT (ATCM (CADR K)))) (GOHERE L (CADR K))) (BLOCK NIL (SET (CAAR K) (CDR (FINDN (CAADR K) (QUOTE ((BOZ . BNZ) (BNZ . BOZ)))))) (SET (CDR K) (CDDR K)) (GO LCCP)))) (RETURN (SET LISTING (CONS L LISTING))))))	0004400 0004500 0004600 0004700 0004800 0004900 0005000 0005100 0005200 0005300 0005400
(FUNCTION (ATTACH SYMBOL))	
(I)	0005500
(BLOCK NIL (IF (ATCM I) (SCOTCH I (LISTING . COMPIL)) (AND (NOT (ATCM (CAR (LISTING . CCMPIL)))) (MEMBER (CAAR LISTING) (QUOTE (BUC BSX))) (NOT (MEMBER I (QUOTE ((ARGS) (END) (CALL)))))) (RETURN (LISTING . COMPIL)))) (RETURN (SET (LISTING . COMPIL) (CONS I (LISTING . COMPIL))))))	0005600 0005700 0005800 0005900 0006000 0006100 0006200 0006300
(FUNCTION (SCOTCH BOCLEAN))	

(L LST)	0006400
(IF (ATCM (CAR LST))	0006500
(BLOCK ((B BCOLEAN (SCCTCH L (CDR LST))))	0006600
(IF (NOT B)	0006700
(RETURN FALSE) (SCOTCH (CAR LST) (CDR LST)) (SCOTCH L LST))	0006800
(RETURN TRUE))	0006900
(BLOCK NIL (IF (NOT (GCHERE L (CAR LST))) (RETURN FALSE))	0007000
(SET (CAR LST) (CADR LST))	0007100
(SET (CDR LST) (CDDR LST)) (RETURN TRUE))))	0007200
(FUNCTION (REFLAB BCOLEAN)	0007300
(L LST)	0007400
(BLOCK NIL (FOR LST (IN LST)	0007500
(UNLESS (CR (ATOM LST)	0007600
(NOT (OR (GCHERE L LST)	0007700
(AND (EQ (CAR LST) (QUOTE BSX)) (EQ L (CADADDR LST)))))))	0007800
(RETURN TRUE))))	0007900
(FUNCTION (GCHERE BOOLEAN)	0008000
(L I)	0008100
(AND (MEMBER (CAR I) (QUOTE (BUC BOZ BNZ))) (EQN L (CADADR I))))	0008200
(FUNCTION (CCMIF NOVALUE)	0008300
NIL (BLOCK ((X (CDR EXP))	0008400
(S (XGO . CCMPIIL))	0008500
((XGO . CCMPIIL) (IF (XGO . COMPIL) (XGO . COMPIL) (GENID))))	0008600
(IF (NULL X)	0008700
(GO M) (NLLL (CDR X)) (BLOCK NIL (COMSTAT (CAR X)) (GO M)))	0008800
L (BLOCK ((FG (GENID)))	0008900
(BLOCK ((F (IF (NULL (CDDR X))	0009000
(XGU . COMPIL) (CDDDR X) FG (BGO (CADDR X) FG)))	0009100
(T (BGO (CACR X) NIL))))	0009200
(BLOCK ((TERGO . COMPIL) ((PCLASS . COMPIL) TRUE))	0009300
(COMBOL (CAR X) T F))	0009400
(IF (NULL T)	0009500
(BLOCK NIL (COMSTAT (CADR X))	0009600
(IF (NCT (CR (RETP (CADR X)) (AND (NULL (CDDR X)) (NCT S))))	0009700
(ATTACHG XGO))))	0009800
(ATTACHL FG)	0009900
(IF (NULL (SET X (CDDR X)))	0010000
(GO M)	0010100
(NOT (NULL (CDR X))) (GO L) (EQ F FG) (COMSTAT (CAR X))))	0010200
M (IF (NULL S) (ATTACHL (XGO . COMPIL))))	0010300
(FUNCTION (RETP BOOLEAN)	0010400
(I) (AND (NCT (ATOM I)) (EQ (CAR I) (QUOTE RETURN))))	0010500
(FUNCTION (BGO SYMBOL)	0010600
(I L)	0010700
(IF (ATCM I)	0010800
L (EQ (CAR I) (QUOTE GO))	0010900
(CADR I)	0011000
(AND (PCLASS . COMPIL) (RETP I))	0011100
(IF (NULL (CADR I))	0011200
(FGO . COMPIL) (EQ TRUE (CADR I)) (TGO . COMPIL) L L))	0011300
(FUNCTION (CCMER NOVALUE) NIL (CCMLOG FALSE))	0011400
(FUNCTION (CCMND NOVALUE) NIL (CCMLOG TRUE))	0011500
(FUNCTION (CCMNOT NOVALUE)	0011600
NIL (IF (CR (SCCLASS . COMPIL) (NCT (PCLASS . COMPIL)))	0011700
(MAKEPRED)	0011800
(COMBOL (CADR (EXP . COMPIL)) (FGO . COMPIL) (TGO . COMPIL))))	0011900
(FUNCTION (MAKEPRED NOVALUE)	0012000
NIL (IF SCCLASS NIL (BLOCK ((TER TERGO)	0012100
((TERGO . COMPIL) (IF TERGO TERGO (GENID))))	0012200
(T (GENID)) (F (GENID)) ((PCLASS . COMPIL) TRUE))	0012300
(COMBOL EXP T F))	0012400
(BLOCK ((L (LABELER TERGO)))	0012500
(BLOCK ((T1 (LIST (QUOTE BSX) (QUOTE (ENTRY ONENT)) 4 L)))	0012600

(F1 (LIST (QUOTE BSX) (QUOTE (ENTRY STZENT)) 4 L)))	C012700
(IF (SCCTCH T LISTING)	0012800
(BLOCK NIL (ATTACHL T) (ATTACH T1) (ATTACHL F) (ATTACH F1))	0012900
(BLOCK NIL (ATTACHL F) (ATTACH F1) (ATTACHL T) (ATTACH T1)))	0013000
(IF (NOT TER) (ATTACHL TERGO))	0013100
(SET VCLASS (QUOTE ACTIVE))))))	0013200
(FUNCTION (CCMLOG NOVALUE)	0013300
((B BOOLEAN))	0013400
(IF (NULL (CDR (EXP . COMPIL)))	0013500
(COMPILE B)	0013600
(OR (SCCLASS . COMPIL) (NOT (PCLASS . COMPIL)))	0013700
(MAKEPRED)	0013800
(BLOCK (T (L (GENID)))	0013900
(FOR T (ON (CDR (EXP . COMPIL)))	0014000
(COMBOL (CAR T))	0014100
(IF (NULL (CDR T))	0014200
(TGO . CCMPIL) B NIL (TGO . COMPIL) (TGO . COMPIL) L)	0014300
(IF (NULL (CDR T))	0014400
(FGO . CCMPIL)	0014500
(NULL B) NIL (FGO . COMPIL) (FGO . COMPIL) L))	0014600
(ATTACHL L))))	0014700
(FUNCTION (CCMBOL NOVALUE)	0014800
(X (TGO . CCMPIL) (FGO . COMPIL))	0014900
(BLOCK NIL (BLOCK ((VCLASS . COMPIL) (VADDR . COMPIL)))	0015000
(COMEEXP X)	0015100
(IF (INQ VCLASS (QUOTE PRED))	0015200
(BLOCK NIL (MOVAC))	0015300
(IF TGO (ATTACH (LIST (QUOTE BNZ) (LABELER TGO))))	0015400
(IF FGO (ATTACH (LIST (IF TGO (QUOTE BUC) (QUOTE BOZ))	0015500
(LABELER FGO)))))) (SET VCLASS (QUOTE PRED))))	0015600
(FUNCTION (MCVAC NOVALUE)	0015700
NIL (IF (INQ (VCLASS . COMPIL) (QUOTE ACTIVE))	0015800
(BLOCK NIL (ATTACH (CONS (QUOTE LDA) (VADDR . COMPIL)))	0015900
(SET (VCLASS . COMPIL) (QUOTE ACTIVE))))	0016000
(FUNCTION (CCMGO NOVALUE) NIL (ATTACHG (CADR (EXP . COMPIL))))	0016100
(FUNCTION (CCMQUC NOVALUE)	0016200
NIL (BLOCK NIL (ATTACH (IF (IDP (CADR (EXP . COMPIL)))	0016300
(SUBST (CADR EXP) (QUOTE I) (QUOTE (LDA (ID I) (R L4567.7))))	0016400
(LIST (QUOTE LDA) (EXP . COMPIL))))	0016500
(SET (VCLASS . COMPIL) (QUOTE ACTIVE))))	0016600
(FUNCTION (CCMSET NOVALUE)	0016700
NIL (BLOCK NIL (COMEEXP (CADR (EXP . COMPIL)))	0016800
(IF (AND (NULL (CADDR (EXP . COMPIL)))	0016900
(OR (SCCLASS . COMPIL) (PCLASS . COMPIL)))	0017000
(BLOCK NIL (ATTACH (CONS (QUOTE STZ) (VADDR . COMPIL)))	0017100
(IF (NOT (SCCLASS . CCMPIL))	0017200
(BLOCK NIL (IF (FGO . COMPIL) (ATTACHG (FGO . COMPIL)))	0017300
(SET (VCLASS . COMPIL) (QUOTE PRED))))	0017400
(BLOCK ((L (VADDR . CCMPIL)))	0017500
(CCVAL (CADER (EXP . COMPIL)))	0017600
(ATTACH (CONS (QUOTE STF) L))	0017700
(SET (VCLASS . COMPIL) (QUOTE ACTIVE))))))	0017800
(FUNCTION (CCMRET NOVALUE)	0017900
NIL (IF (PCLASS . COMPIL)	0018000
(COMBOL (CADR (EXP . CCMPIL)) (TGO . COMPIL) (FGO . COMPIL))	0018100
(BLOCK NIL (COMACT (CADR (EXP . COMPIL)))	0018200
(ATTACHG (TERGO . COMPIL))))))	0018300
(FUNCTION (CCMBLK NOVALUE)	0018400
NIL (BLOCK ((XGC . CCMPIL))	0018500
(IF (TERGO . CCMPIL)	0018600
(BLOCK (T) (FCR T (IN (CDDR (EXP . COMPIL))) (COMSTAT T))))	0018700
(BLOCK (((TERGO . COMPIL) (GENID)))	0018800
(BLOCK (((TGC . CCMPIL)	0018900

(IF (TGC . COMPILE) (TGO . COMPILE) (TERGO . COMPILE)))	0019000
((FGC . COMPILE)	0019100
(IF (FGC . COMPILE) (FGO . COMPILE) (TERGO . COMPILE)))	0019200
(COMBLK)	0019300
(IF (PCLASS . COMPILE)	0019400
(IF (NCT (EQN (FGO . COMPILE) (TERGO . COMPILE)))	0019500
(ATTACHG (FGO . COMPILE))) (COMVAL NIL))	0019600
(ATTACHL (TERGO . COMPILE))))	0019700
(SET (VCLASS . COMPILE)	0019800
(IF (PCLASS . COMPILE) (QUOTE PRED) (QUOTE ACTIVE))))	0019900
(FUNCTION (CCMSTAT NOVALUE)	0020000
(X)	0020100
(IF (IDP X)	0020200
(ATTACH X)	0020300
(BLOCK ((SCLASS . COMPILE) TRUE)	0020400
(VADDR . COMPILE) (VCLASS . COMPILE)) (COMPILE X)))	0020500
(FUNCTION (CCMVAL NOVALUE)	0020600
(X) (BLOCK ((TERGO . COMPILE) (PCLASS . COMPILE)) (COMACT X)))	0020700
(FUNCTION (CCMACT NOVALUE)	0020800
(X)	0020900
(BLOCK NIL (CCMEXP X)	0021000
(IF (NQ (VCLASS . COMPILE) (QUOTE ACTIVE)) (MOVAC)))	0021100
(FUNCTION (CCMEXP NOVALUE)	0021200
(X) (BLOCK ((SCLASS . COMPILE)) (COMPILE X)))	0021300
(FUNCTION (CCMPILE NOVALUE)	0021400
((EXP . COMPILE))	0021500
(IF (IDP (EXP . COMPILE))	0021600
(COMVAR)	0021700
(ATOM (EXP . COMPILE))	0021800
(COMDAT)	0021900
(BLOCK ((X (FIND (CAR (EXP . COMPILE)) COMLST)))	0022000
(IF X (BLOCK ((F (FUNCTIONAL NOVALUE) (CDR X))) (F))	0022100
(COMCAL))))	0022200
(FUNCTION (CCMDAT NOVALUE)	0022300
NIL (IF (PCLASS . COMPILE)	0022400
(BLOCK NIL (IF (NULL (EXP . COMPILE))	0022500
(IF (FGO . COMPILE) (ATTACHG (FGO . COMPILE)))	0022600
(IF (TGO . COMPILE) (ATTACHG (TGO . COMPILE))))	0022700
(SET (VCLASS . COMPILE) (QUOTE PRED)))	0022800
(BLOCK NIL (ATTACH (IF (NULL (EXP . COMPILE))	0022900
(QUOTE (STZ A.))	0023000
(EQN (EXP . COMPILE) TRUE)	0023100
(QUOTE (LDA 1 (R L567.7)))	0023200
(LIST (QUOTE LDA) (LIST (QUOTE QUOTE) (EXP . COMPILE))))	0023300
(SET (VCLASS . COMPILE) (QUOTE ACTIVE))))	0023400
(FUNCTION (CCMVAR NOVALUE)	0023500
NIL (BLOCK ((D (FINDEC (EXP . COMPILE) FALSE)))	0023600
(SET (VADDR . COMPILE) (LIST D (QUOTE I))))	0023700
(SET (VCLASS . COMPILE) (QUOTE LCC))))	0023800
(FUNCTION (CCMCAL NOVALUE) NIL (CCMCALL (FINDEC (CAR EXP) EXP)))	0023900
(FUNCTION (CCMCALL NOVALUE)	0024000
(D)	0024100
(BLOCK (T)	0024200
(ATTACH (QUOTE (ARGS)))	0024300
(FOR T (CN (CDR EXP))	0024400
(BLOCK NIL (CCMVAL (CAR T)))	0024500
(IF (NCT (NULL (CDR T))) (ATTACH (QUOTE (STF PUSHP.))))))	0024600
(ATTACH (LIST (QUOTE CALL) D)) (SET VCLASS (QUOTE ACTIVE))))	0024700
(FUNCTION (FINDEC SYMBOL)	0024800
(VAR X)	0024900
(BLOCK (S)	0025000
(FOR S (IN (SLIST . COMPILE))	0025100
(BLOCK ((D (SRDEC VAR S))) (IF D (RETURN D))))	0025200

(MAKEFREE VAR (SNAME . COMPIL))	0025300
(IF (NULL X) (QUOTE FLUID) (QUOTE FUNCTION))	0025400
(IF (NULL X)	0025500
(QUOTE SYMBOL)	0025600
(CCNS (QUOTE FUNCTIONAL) (QUOTE SYMBOL) (MAKSYM (CDR X))))	0025700
(QUOTE VALUE)) (RETURN (FINDEC VAR X))))	0025800
(FUNCTION (MAKSYM SYMBOL))	0025900
(L) (IF (NULL L) NIL (CCNS (QUOTE SYMBOL) (MAKSYM (CDR L)))))	0026000
(FUNCTION (SRDEC SYMBOL))	0026100
(VAR S)	0026200
(BLOCK ((T (GETFREE VAR S)))	0026300
(IF (NULL T) (RETURN FALSE))	0026400
(BLOCK ((D (FVLIST T)))	0026500
(IF (EQ (CAR D) (QUOTE MEANS))	0026600
(RETURN (SRDEC (CADR D) (CADDR D)))))	0026700
(BLOCK ((N (CCNS VAR S)))	0026800
(IF (NOT (FIND N (REFLIST . COMPIL)))	0026900
(SET (REFLIST . COMPIL)	0027000
(CCNS (CCNS N D) (REFLIST . COMPIL)))) (RETURN N))))	0027100
(SET COMLST (LIST (CCNS (QUOTE CCNS) COMCONS))	0027200
(CCNS (QUOTE IF) COMIF)	0027300
(CCNS (QUOTE OR) COMOR)	0027400
(CCNS (QUOTE AND) COMAND)	0027500
(CCNS (QUOTE NOT) COMNOT)	0027600
(CCNS (QUOTE NULL) COMNOT)	0027700
(CCNS (QUOTE GC) COMGO)	0027800
(CCNS (QUOTE QUOTE) COMQUO)	0027900
(CCNS (QUOTE SET) COMSET)	0028000
(CCNS (QUOTE BLOCK) COMBLK)	0028100
(CCNS (QUOTE RETURN) COMRET)	0028200
(CCNS (QUOTE CAR) COMCAR)	0028300
(CCNS (QUOTE CDR) COMCDR)	0028400
(CCNS (QUOTE CADR) COMCADR)	0028500
(CCNS (QUOTE CCAR) COMCDAR)) (CCNS (QUOTE CADDR) COMCADDR)))	0028600
(FUNCTION (CCMCAR NOVALUE) NIL (CARCDR (QUOTE (A))))	0028700
(FUNCTION (CCMCDR NOVALUE) NIL (CARCDR (QUOTE (D))))	0028800
(FUNCTION (CCMCAER NOVALUE) NIL (CARCDR (QUOTE (A D))))	0028900
(FUNCTION (CCMCDAR NOVALUE) NIL (CARCDR (QUOTE (D A))))	0029000
(FUNCTION (CCMCAEDR NOVALUE) NIL (CARCDR (QUOTE (A D D))))	0029100
(FUNCTION (CARCDR NOVALUE)	0029200
(L) (BLOCK NIL (COMVAL (CADR EXP)) (COMNODE L)))	0029300
(FUNCTION (CCMNODE NOVALUE)	0029400
(L)	0029500
(IF (NULL L)	0029600
NIL (BLOCK NIL (COMNODE (CDR L))	0029700
(ATTACH (IF (EQ (CAR L) (QUOTE A))	0029800
(QUOTE (LDA 0 (L7.123 15))) (QUOTE (LDA 0 (L567.7 15)))))))	0029900
(FUNCTION (CCMCONS NOVALUE) NIL (COMLINK (QUOTE (CONS2 . SYS))))	0030000
(FUNCTION (CCMLNK NOVALUE)	0030100
(S)	0030200
(COMCALL (BLOCK (((SLIST . COMPIL) (LIST (CDR S)))	0030300
((SNAME . COMPIL) (CDR S)))) (RETURN (FINDEC (CAR S) EXP))))	0030400
	0030500

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