

(PRECOMP SECTION SYS OCTAL)	CO00100
(LAP (PATCH (CRG))	CO00200
(ENTRY PDOK (LABEL PDOK))	CO00300
(ENTRY PDOK1 (LABEL PDOK1))	CO00400
GO (BUS (D. 1))	CO00500
(BUS (LABEL A))	CO00600
RECOV (BUS (D. 1))	CO00700
(BUS RECCV I)	CO00800
A (LDI 4 (R 7Q6))	CO00900
(LDX (INTCNT . SYS) 0 6)	CO01000
(LDX (CDSW . IC) 0 8)	CO01100
(LDX (INTTY . IC) 0 4)	CO01200
(BXH Z (8 D) 0)	CO01300
(LDX BPO 0 8)	CO01400
(ARGS)	CO01500
(CALL START)	CO01600
(BUC (LABEL GO))	CO01700
(1Q6)	CO01800
(DITTO 4)	CO01900
PDOK1 (BXL (LABEL PDGONE) 8)	CO02000
PDOK (LDX (Z. 2Q1) 0 4)	CO02100
(BXL (LABEL P) 8)	CO02200
(XEC (LABEL P))	CO02300
(BUC 0 4)	CO02400
P (ATX -1 (4 L) 8)	CO02500
(LDX -1 (4 L) 4)	CO02600
(STX (PDADD . GC) 0 4) PDGONE (LDX PDGONE 0 4) (BUC 3 4) (END))	CO02700
((DDSW . IC) OWN INTEGER VALUE)	CO02800
((FREEZE . SYS) FLUID BOOLEAN VALUE)	CO02900
((INTCNT . SYS) OWN INTEGER VALUE)	CO03000
((FMCALL . SYS) OWN (FUNCTIONAL NOVALUE) VALUE)	CO03100
((INTERRUPT . SYS) FUNCTION (FUNCTIONAL OCTAL) VALUE)	CO03200
((INTTY . IC) FUNCTION (FUNCTIONAL NOVALUE) VALUE)	CO03300
(FPO OWN OCTAL VALUE)	CO03400
(FPP OWN OCTAL VALUE)	CO03500
(CHO OWN OCTAL VALUE)	CO03600
(TRO OWN OCTAL VALUE)	CO03700
(TRP OWN OCTAL VALUE)	CO03800
(BPO OWN OCTAL VALUE)	CO03900
(BPP OWN OCTAL VALUE)	CO04000
(ARO OWN OCTAL VALUE)	CO04100
(ARP OWN OCTAL VALUE)	CO04200
(LSP OWN OCTAL VALUE)	CO04300
(LSO OWN OCTAL VALUE)	CO04400
(TRL OWN OCTAL VALUE)	CO04500
(OBLIST OWN (ARRAY SYMBOL) VALUE)	CO04600
(OBLSIZ OWN INTEGER VALUE)	CO04700
(PDOUT OWN SYMBCL VALUE)	CO04800
((PDADD . GC) CWN OCTAL VALUE)	CO04900
((PDBUF . GC) CWN OCTAL VALUE)	CO05000
(START FUNCTION (FUNCTIONAL NOVALUE) VALUE)	CO05100
(RECOV FUNCTION (FUNCTIONAL NOVALUE) VALUE)	CO05200
(PDGONE FUNCTION (FUNCTIONAL NCVALUE) VALUE)	CO05300
(FNTRAP FUNCTION (FUNCTIONAL NCVALUE) VALUE)	CO05400
(FMTRAP FUNCTION (FUNCTIONAL NCVALUE) VALUE)) SYS)	CO05500
(LAP (PATCH (CRG))	CO05600
(ENTRY RETURN (LABEL RETURN))	CO05700
(ENTRY ROUT (LABEL ROUT))	CO05800
(ENTRY FLBIND (LABEL FLBIND))	CO05900
(ENTRY FLREST (LABEL FLREST))	CO06000
(ENTRY STZENT (LABEL STZENT))	CO06100
(ENTRY ONENT (LABEL ONENT))	CO06200
(ENTRY I2OENT (LABEL I2OENT))	CO06300

(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 100 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 6G1)	0008600
(LDA 0 A)	0008700
(ECH 0 (4 I))	0008800
(STF 0 3)	0008900
(TST 0 4 51G)	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) C 3)	0009500
FLR1 (BAX (D. 1) 3 -1)	0009600
(LDB 0 3)	0009700
(STB 0 (7 I))	0009800
(TST 0 7 51G)	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
(SYMBABS 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 RCUTINE (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
(SYM2FORM FUNCTION (FUNCTIONAL FUNCTIONAL SYMBOL) VALUE)	0013600
(OCTROUND RCUTINE (FUNCTIONAL OCTAL REAL) VALUE)	0013700
(ROUND RCUTINE (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 FXRLB ((X OCTAL))))	0000600
(DECLARE (CBLIST (ARRAY SYMBOL) CWN))	0000700
(CHO OWN)	0000800
(TRO OWN)	0000900
(TRP OWN)	0001000
(TRM OWN)	0001100
(EPO OWN)	0001200
(EPP OWN)	0001300
(ARO OWN)	0001400
(ARP OWN) (LSP CWN) (LSC OWN) (TRL OWN) (PDCUT SYMBCL OWN))	0001500
(SECTION (GC SYS) OCTAL))	0001600
INSTRUCTIONS (((MARKED (LAMBDA NIL (PROG NIL (ATTACH (LIST (QUOTE	0001700
LDS) (CADR EXP) (QUOTE (I 40015Q2))))	0001800
(SETQ VREG (QUOTE AC))	0001900
(SETQ VTYPE (QUOTE BOOLEAN))	0002000
(SETQ VCLASS (QUOTE ACTIVE)) (BLOTH (QUOTE AC))))))	0002100
(UNMARK (LAMBDA NIL (PROG NIL (ATTACH (LIST (QUOTE INS)	0002200
(CADR EXP) (QUOTE (I 44Q5))))))))	0002300
MACRO1 (((LEFT (LAMBDA (X) (ITYBIT T 24 18 (CDR X))))	0002400
(RIGHT (LAMBDA (X) (ITYBIT T 0 18 (CDR X))))	0002500
(PREFIX (LAMBDA (X) (ITYBIT T 42 6 (CDR X))))	0002600
(TAG (LAMBDA (X) (ITYBIT T 18 6 (CDR X))))	0002700
(LEFTX (LAMBDA (X) (ITYBIT NIL 24 18 (CDR X))))	0002800
(RIGHTX (LAMBDA (X) (ITYBIT NIL 0 18 (CDR X))))	0002900
(ONEMOR (LAMBDA (X)	0003000
(LIST (QUOTE I20.) (LIST (QUOTE PLUS) (CADR X) 1))))	0003100
(ONELESS (LAMBDA (X)	0003200
(LIST (QUOTE I20.) (LIST (QUOTE PLUS) (CADR X) -1))))	0003300
(PLUS (LAMBDA (X)	0003400
(LIST (QUOTE I20.)	0003500
(CONS (QUOTE (PLUS . LISP)) (CDR X))))))	0003600
DEFINE (((ITYBIT (LAMBDA (W X Y Z)	0003700
(CCNS (QUOTE BIT)	0003800
(CCNS X (CONS Y (COND (W (CCNS (CONS (QUOTE CORE) Z) NIL))	0003900
(T Z))))))))	0004000
(DECLARE (GCC CWN))	0004100
(A OWN)	0004200
(B OWN)	0004300
(C OWN)	0004400
(D OWN)	0004500
(X OWN)	0004600
(Y OWN)	0004700
(Z OWN)	0004800
(ECOL BOOLEAN OWN)	0004900
(XPDP CWN)	0005000
(TEMP1 CWN)	0005100
(TEMP2 CWN)	0005200
(TEMP3 CWN)	0005300
(TEMP4 CWN)	0005400
(ARYORG OWN)	0005500
(ARYCNT OWN)	0005600
(BPSORG OWN)	0005700
(FREREL OWN)	0005800
(PDLREL OWN)	0005900
(TRPCNT OWN)	0006000
(PPMIN CWN)	0006100
(PDADD CWN)	0006200
(PDBUF CWN)	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
(RCUTINE ((ACPCOK . SYS) NOVALUE) ((X INTEGER)))	0007200
(RCUTINE ((MINR . LISP) REAL) ((A REAL) (B REAL)))	0007300
(RCUTINE ((MAXR . LISP) REAL) ((A REAL) (B REAL)))	0007400
(RCUTINE ((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 PDCUT (QUOTE G))))	0008200
(SET GCC (PLUS 1 GCC))	0008300
(SET (CCRE (S2C. CBLIST)) (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 (BLCK (ZZ))	0009200
(CODE (STX XDP 0 8))	0009300
(SET BOCL FALSE)	0009400
(SET ARYCNT 0)	0009500
(SCNPDL MRKPDL)	0009600
(MRKCHR)	0009700
(MRKTSP)	0009800
(PRUNVF)	0009900
(PRUNCB)	0010000
(PKTSP)	0010100
(PKFREE)	0010200
(SET ZZ (GPCALC AA))	0010300
(RELARY)	0010400
(FXTSP)	0010500
(FXARY)	0010600
(FXFREE)	0010700
(RELBPS)	0010800
(SET BOCL TRUE)	0010900
(SCNPDL FIXIT1)	0011000
(FXBPS)	0011100
(SET TEMP1 BPC)	0011200
(SET XDP (PLUS XDP -10))	0011300
(IF (LS PDLREL 0)	0011400
(BLOCK NIL (SET TEMP1 (PLUS TEMP1 PDLREL)))	0011500
(SET Z (PLUS (SET XDP 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 4G15 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 (CNELESS Z))
  0013100
(IF (GQ (SET X (CNELESS 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) (CCRE X))
  0013600
L1 (SET Z (CNELESS Z))
  0013700
(IF (GQ (SET X (CNELESS X)) XPCP) (GO M1))
  0013800
(SET BPC (PLUS BPC PDLREL)) (CUC (ATX PDLREL 0 8)))
  0013900
(IF (EQ PDCUT (QUOTE B)) (ADPECK PDBUF))
  0014000
(SET PDCUT NIL)
  0014100
(IF GCERR (ERRCR (QUOTE (CUT CF STORAGE))))
  0014200
  (RETURN ZZ)))
  0014300
MACRO1 (((PLLS (LAMBDA (X)
  (CONS (QUOTE (PLUS . LISP)) (CDR X))))))
  0014400
  0014500
(FUNCTION (GPCALC INTEGER)
  0014600
((AA OCTAL))
  0014700
(BLOCK ((A1IU INTEGER (PLUS BPO PCADD TRP (MINUS TRC)
  (MINUS XPCP)))
  0014800
(A2IU INTEGER (PLUS BPP BPMIN (MINUS BPO)))
  0014900
(A3IU INTEGER (PLUS LSO (BLOCK ((I INTEGER ARO)
  (ARYCNT INTEGER 0)))
  0015000
(FCR I (RESET I (PLUS I (BIT 24 18 (CORE I)))))
  0015100
(WHILE (NG I ARP))
  0015200
  (UNLESS (EQ (WORDAND (CORE I) 4Q7) 0))
  0015300
  (SET ARYCNT (PLUS ARYCNT (BIT 24 18 (CORE I)))))
  0015400
  (RETURN ARYCNT)) AA (MINUS LSP)) (ZZ INTEGER))
  0015500
  0015600
  (RETURN ARYCNT)) AA (MINUS LSP)) (ZZ INTEGER))
  0015700
  0015800
(SET GCERR FALSE)
  BACK (BLOCK ((N INTEGER (DIFFERENCE PDBUF (SET ZZ (PLUS LSC
  (MINUS TRC) (MINUS A1IU) (MINUS A2IU) (MINUS A3IU)))))
  0015900
  0016000
(IF (AND GCERR (GR N 0))
  0016100
  (GO PP)
  0016200
  (AND (NOT GCERR) (LS (MINUS N) GC8)))
  0016300
  BLOCK ((BPKEEP INTEGER BPMIN)
    CK BOCLEAN (UNLBPS (PLUS N GC8 ARO (MINUS BPP)
      (MINUS BPMIN))))
  0016400
  0016500
  (SET A2IU (PLUS A2IU BPMIN (MINUS BPKEEP)))
  0016600
  (IF (NOT CK) (SET GCERR TRUE) (SET GCERR FALSE)) (GO BACK))
  0016700
  0016800
  (SET GCERR FALSE))
  0016900
  BLOCK ((PDEX INTEGER (PLUS BPC (MINUS TRC) (MINUS A1IU)))
  0017000
  (BPEX INTEGER (PLUS ARO (MINUS BPO) (MINUS A2IU)))
  0017100
  (LAEX INTEGER (PLUS LSO (MINUS ARO) (MINUS A3IU))))
  0017200
  (IF (AND (GR BPEX GC1) (GR PDEX GC2) (GR LAEX GC3)) (GO PP))
  0017300
  LL (BLOCK ((ZE INTEGER (DIFFERENCE ZZ PDBUF)) (ST INTEGER))
    (SET ST (MIN (TIMES GC4 ZE) GC5))
  0017400
    0017500
    (SET PDLREL (PLUS ST PDBUF))
  0017600
    (SET ZE (DIFFERENCE ZE ST))
  0017700
    (SET ARYCRG (PLUS PDLREL TRC A1IU A2IU (TIMES GC6 ZE)))
  0017800
    (SET PDLREL (DIFFERENCE PDLREL PDEX))) (GO P))
  0017900
  PP (SET PDLREL 0)
  0018000
  (SET ARYCRG ARC)
  0018100
  P (SET BPMIN 0)
  0018200
  (SET GC7 A2IU)
  0018300
  (SET BPSORG (PLUS BPO PDLREL 1)) (RETURN ZZ)))
  0018400
MACRO1 (((PLLS (LAMBDA (X)
  (LIST (QUOTE I20.) (CONS (QUOTE (PLUS . LISP)) (CDR X)))))))
  0018500
  0018600
(FUNCTION (FIXIT1 NOVALUE) ((J OCTAL)) (ORG NIL (FIXIT J)))
  0018700
(FUNCTION (SCNPDL NOVALUE)
  (FN (FLNCTCNAL NOVALUE OCTAL)))
  0018800
  0018900

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(CRG NIL (BLOCK (CURCNE CURLNK (CURPNT XPD) NXTCNE BITMAP COUNT)) 0019000
  MORE (SET CURLNK (RIGHT (SET CURONE 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 (CNELSS CURLNK))))) 0019500
  (SET COUNT (PLUS 24 (MINUS COUNT))) 0019600
  XTO (IF (EQUAL (SET CURPNT (ONEMOR CURPNT)) NXTONE) 0019700
    (BLOCK NIL (SET CURLNK (RIGHT CURLNK)) (GO XT1)) 0019800
    (LS BITMAP 0) (FN CURPNT)) 0019900
  (SET BITMAP (LSHIFT BITMAP 1)) 0020000
  (IF (INQ (SET COUNT (CNELSS COUNT)) 0) (GO XTO)) 0020100
  (IF (EQ (TAG (SET CURLNK (RIGHT CURLNK))) 0) (GO TO)) 0020200
  T1 (SET CLRPTN NXTCNE) 0020300
  XT1 (IF (AND BOOL (INQ (SET TEMP1 (RIGHT CURLNK)) 0)) 0020400
    (SET (CCRE CURONE)) 0020500
    (PLUS (CCRE CURONE)) 0020600
    (IF (EQUAL (WORDAND 1Q15 (SET TEMP1 (CCRE TEMP1))) 0) 0020700
      (RIGHTX TEMP1) (LEFTX TEMP1) (MINUS CURLNK) -1))) 0020800
    (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)) 0021300
        (IF (INQ (BIT 18 6 X) 0) (MARKIT (ONEMOR (RIGHTX X)))))) 0021400
      (BLOCK NIL (IF (GG X ARO) 0021500
        (GC FIX) 0021600
        (LS X TRC) 0021700
        (GC OUT) 0021800
        (LS X TRP) 0021900
        (IF (EQUAL (PREFIX (ONEMOR X)) 12Q) (SET X (CNEMOR X))) 0022000
        (GO OUT)) FIX (MARKIT X) OUT)))))) 0022100
    (FUNCTION (MARKIT NOVALUE) 0022200
      ((X OCTAL)) 0022300
      (BLOCK NIL MORE (IF (LS X ARO) 0022400
        (IF (AND (LG TRC X) (LS X TRP) (MARKEM X)) 0022500
          (BLOCK NIL (SET X (MRKTRP X)) (GC MORE))) 0022600
        (AND (LS X LSC) (MARKEM X)) 0022700
        (IF (LS X LSP) 0022800
          (MRKARY X) 0022900
          (BLOCK NIL (MARKIT (BIT 24 18 (CORE X))) 0023000
            (SET X (BIT 0 18 (CORE X))) (GO MORE)))) OUT)) 0023100
      (FUNCTION MRKTRP (X) 0023200
        (BLOCK NIL (SET TEMP1 (CORE (CNELSS X))) 0023300
          (CASE (PLUS (PREFIX X) -6) 0023400
            (GO T7) (GO T10) (GO T11) (GO T12) (GO T13)) 0023500
            T7 (IF (INQ (WORDAND (CORE X) 4Q6) 0) 0023600
              (SET (CCRE TEMP1) (WORDOR (CORE TEMP1) 4Q7))) 0023700
            (RETURN (RIGHT X)) 0023800
            T10 (RETURN (RIGHTX TEMP1)) 0023900
            T12 (CASE (CNEMOR (RSHIFT (SET TEMP2 (CHEKUP (CORE (ONEMLR X)))) 0024000
              3)) (GO X0) (GO X11) (GO XX) (GO X11) (GO X4) (GO X11)) 0024100
            X0 (IF (EQUAL TEMP2 3) (LABEL XX (MARKIT TEMP1))) 0024200
            (GO T13) 0024300
            X4 (IF (EQUAL (BIT 42 6 TEMP1) 0) 0024400
              (MARKIT (LEFTX TEMP1)) 0024500
              (BLOCK NIL (IF (EQUAL (WORDAND TEMP1 1Q15) 0) 0024600
                (MARKIT (LEFTX TEMP1))) (GO T13))) 0024700
            X5 (IF (MARKEM (SET TEMP1 (ONEMCR (RIGHT (CNELSS X)))))) 0024800
              (MARKIT (MRKTRP TEMP1))) 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))) C025300
 X11 (IF (NG (SET TEMP2 (LEFTX TEMP1)) 0)
 (IF (MARKEM TEMP2) (MRKARY TEMP2))
 (LS TEMP1 TRP)
 (IF (MARKEM (SET TEMP1 (ONEMOR TEMP1)))
 (MARKIT (MRKTRP TEMP1)))) T13 (RETURN (LEFT X))) C025400
 (FUNCTION CHEKUP (X)
 (BLOCK NIL (IF (GR (SET TEMP2 (BIT 42 6 X)) 2) (RETURN TEMP2))
 (CASE (ONEMCR TEMP2) (GO T0) (GC T1) (GO T2))
 T0 (RETURN (BIT 18 6 X))
 T1 (SET (CCRE TEMP2) (WORDOR (CCRE (SET TEMP2 (LEFTX X))) 4Q7))
 (RETURN (PREFIX (ONEMOR TEMP2)))
 T2 (BLCCK ((Y TEMP1))
 (MARKIT (MRKTRP (LEFTX X)))
 (SET TEMP1 Y) (RETURN (CHEKUP (CORE (ONEMCR (LEFTX X)))))))
 (FUNCTION (MRKARY NOVALUE)
 (X)
 (BLOCK (Y Z)
 (SET ARYCNT (PLUS ARYCNT (LEFT X)))
 (SET Y (CNEMCR X))
 (SET Z (PLLS X (LEFT X)))
 (CASE (ONEMCR (WORDAND (PREFIX X) 7Q))
 (GO T0) (GC TX) (GC TX) (GO TX) (GO TX) (GO T5) (GO IX))
 T0 (FOR Y (RESET Y (PLUS Y 1))
 (WHILE (NG Y Z)) (MARKIT (RIGHT Y)))
 (GO TX)
 T5 (FOR Y (RESET Y (PLUS Y 1))
 (WHILE (NG Y Z))
 (BLOCK NIL (MARKIT (LEFT Y)) (MARKIT (ONEMOR (RIGHT Y)))))) TX))
 (ROUTINE (MARKEM BOOLEAN)
 ((X OCTAL))
 (IF (NOT (MARKED X))
 (02B. (SET (CORE X) (WORDOR (CCRE X) 4Q7))) FALSE))
 (FUNCTION (MRKCHR NOVALUE)
 NIL (BLCCK ((X CHC))
 (FOR X (RESET X (PLUS X 1))
 (WHILE (NG X TR0)) (MARKIT (RIGHT X)))))
 (FUNCTION (MRKTSP NOVALUE)
 NIL (BLCCK ((X (ONEMCR TR0)))
 (FOR X (RESET X (PLUS X 3))
 (WHILE (LS X TRP))
 (IF (NOT (MARKED X))
 (IF (NG (RIGHT X) 0)
 (LABEL GETUM (BLOCK NIL (SET (CORE X) (WORDOR (CORE X) 4Q7))
 (MARKIT (MRKTRP X)))))
 (BLCCK NIL (CASE (PLUS (PREFIX X) -6)
 (GO T7) (GO TS) (GO TX) (GC TX) (GO TS))
 T7 (IF (NG (LEFT (CNEMCR X)) 0) (GO GETUM))
 (GC TS)
 TX (IF (NG (WORDAND (CORE X) 1Q7) 0) (GO GETUM)) TS)))))))
 (FUNCTION (PRUNVF NOVALUE)
 NIL (BLCCK NIL (FOR A (RESET CHC (PLUS A 1))
 (WHILE (NG A TR0)) (IF (NG A (LEFT A)) (PRUNIT A))))
 (FOR A (RESET (PLUS TR0 1) (PLUS A 3))
 (WHILE (LS A TRP))
 (IF (EQUAL (PREFIX A) 7Q)
 (IF (MARKED A)
 (IF (NG A (LEFT A)) (PRUNIT A))
 (IF (NOT (OR (EQUAL A (LEFT A)) (EQUAL A (PRUNIT A))))
 (MARKIT A)))))))
 (ROUTINE PRUNIT (X)
 (BLOCK NIL (SET TEMP1 (LEFT X))
 (SET TEMP2 (CODE (LDA TEMP1 (R L567.7))))) C025500
 C025600
 C025700
 C025800
 C025900
 C026000
 C026100
 C026200
 C026300
 C026400
 C026500
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 C029800
 C029900
 C030000
 C030100
 C030200
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 C030600
 C030700
 C030800
 C030900
 C031000
 C031100
 C031200
 C031300
 C031400
 C031500

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(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 (BLCCK 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
(BLCCK 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 (BLCCK ((X CCTAL (PLUS TRP -2)))	0033200
(FOR X (STEP X -3)	0033300
(WHILE (NCT (MARKED X)))	0033400
(BLOCK NIL (SET TRP (PLUS TRP -3)) (ADPOOK -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) 13Q14)	0034200
(SET (CCRE (PLUS X 1)) TRL)	0034300
(SET TRL X) (SET TRPCNT (PLUS TRPCNT 1))))))	0034400
(RCUTINE (PKFREE NOVALUE)	0034500
NIL (BLCCK NIL (FOR X (RESET (ONELSS LSO) (PLUS X -1))	0034600
(WHILE (GG X LSP))	0034700
(BLOCK NIL (IF (NCT (MARKED X))	0034800
(BLCCK NIL (FOR LSP (RESET LSP (PLUS LSP 1))	0034900
(WHILE (GG 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 BPG))	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 BPSCRG (PLUS BPSORG Y))))	0036200
(IF (NQ (SET X (PLUS X Y)) BPP) (GO MCRE))))))	0036300
(RCUTINE (RELARY NOVALUE)	0036400
NIL (BLCCK 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 & 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

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    (SET (CORE X) (PLUS TEMP1 TEMP2)))))          C037900
(ROUTINE RELCC (X)                                C038000
(CRG NIL (IF (OR (LS X TRP) (GQ X LSO))
  X (GQ X ARP)
  (PLUS (IF (GQ X LSP) X (CORE X)) FREREL)
  (GQ X ARO) (RIGHT X) (LS X BPC) (PLUS X PCLREL) X))) C038100
(ROUTINE (FXTSP NOVALUE)                          C038200
  NIL (BLOCK NIL (FOR X (RESET CHC (PLUS X 1))
    (WHILE (NQ X TRO)) (SET (RIGHT X) (RELOC (RIGHT X)))) C038300
  (FOR X (RESET (PLUS TRO 1) (PLUS X 3))
    (WHILE (LS X TRP))
    (BLOCK NIL (SET Y (CNELSS X))
      (CASE (PLUS (PREFIX X) -6)
        (GO T7) (GO T10) (GO T11) (GO T12) (GO T13)) C038400
        T7 (IF (NQ (WORDAND (CORE X) 4Q6) 0)
          (SET (RIGHT Y) (RIGHT (RIGHT Y)))) C038500
        (SET Y X) C038600
        T10 (SET (RIGHT Y) (RELOC (RIGHT Y))) C038700
        (GO T13) C038800
        T12 (IF (EQUAL (SET TEMP1 (FXTYPE (ONEMOR X))) 45Q)
          (BLOCK NIL (IF (EQUAL (WORDAND (SET TEMP1 (CORE Y)) 1Q15) 0)
            (SET (LEFT Y) (RELOC (LEFTX TEMP1))) (GO T13)))
          (GR TEMP1 4) (GO X12) (EQUAL TEMP1 0) (GO T10)) C038900
          (GO T13) C039000
          T11 (IF (EQUAL (PREFIX (SET TEMP1 (ONEMOR X))) 1)
            (SET (LEFT TEMP1) (RIGHT (LEFT TEMP1))) C039100
            X12 (FIXIT Y) T13)))) C039200
        (SET (LEFT TEMP1) (RIGHT (LEFT TEMP1))) C039300
        X12 (FIXIT Y) T13)))) C039400
      (SET Y X) C039500
      T10 (SET (RIGHT Y) (RELOC (RIGHT Y))) C039600
      (GO T13) C039700
      T12 (IF (EQUAL (SET TEMP1 (FXTYPE (ONEMOR X))) 45Q)
        (BLOCK NIL (IF (EQUAL (WORDAND (SET TEMP1 (CORE Y)) 1Q15) 0)
          (SET (LEFT Y) (RELOC (LEFTX TEMP1))) (GO T13)))
          (GR TEMP1 4) (GO X12) (EQUAL TEMP1 0) (GO T10)) C039800
          (GO T13) C039900
          T11 (IF (EQUAL (PREFIX (SET TEMP1 (ONEMOR X))) 1)
            (SET (LEFT TEMP1) (RIGHT (LEFT TEMP1))) C040000
            X12 (FIXIT Y) T13)))) C040100
        (SET (LEFT TEMP1) (RIGHT (LEFT TEMP1))) C040200
        X12 (FIXIT Y) T13)))) C040300
      (SET (LEFT TEMP1) (RIGHT (LEFT TEMP1))) C040400
      X12 (FIXIT Y) T13)))) C040500
    (ROUTINE FXTYPE (X)                           C040600
      (BLOCK NIL (IF (GR (SET TEMP1 (PREFIX X)) 2) (GO TX))
        (CASE (ONEMCR TEMP1) (GO T0) (GO T1) (GO T2))
        T2 (RETURN (FXTYPE (CNEMOR (LEFT X)))) C040700
        T0 (RETURN (TAG X)) C040800
        T1 (SET TEMP1 (PREFIX (ONEMOR (SET TEMP2 (LEFT X))))) C040900
        (SET (LEFT X) (RIGHT TEMP2)) TX (RETURN TEMP1))) C041000
    (ROUTINE (FXARY NOVALUE)                      C041100
      NIL (BLOCK NIL (SET X ARO)
        MORE (SET Y (LEFT X))
        (IF (MARKED X)
          (BLOCK NIL (CASE (CNEMOR (WORDAND (PREFIX X) 7))
            (GO OK) (GO TX) (GO TX) (GO TX) (GO TX) (GO OK) (GO TX))
            OK (SET B (PLUS X Y))
            (FOR A (RESET (PLUS X 1) (PLUS A 1))
              (WHILE (NQ A B)) (FIXIT A)) TX)) C041200
            (IF (NQ (SET X (PLUS X Y)) ARP) (GO MORE)))) C041300
    (ROUTINE (FXFREE NOVALUE)                    C041400
      NIL (BLOCK NIL (FOR X (RESET LSP (PLUS X 1))
        (WHILE (NQ X LSO))
        (BLOCK NIL (SET (LEFT X) (RELCC (LEFT X)))
          (SET (RIGHT X) (RELOC (RIGHT X))))))) C041500
    (ROUTINE (FXBPS NOVALUE)                     C041600
      NIL (ORG NIL (BLOCK NIL (SET TEMP1 BPO)
        MORE (SET TEMP2 (LEFT TEMP1))
        (IF (NQ (WORDAND (CORE TEMP1) 4Q15) 0) (FXFN TEMP1 FALSE))
        (IF (NQ (SET TEMP1 (PLUS TEMP1 TEMP2)) BPP) (GO MORE)))) C041700
    (ROUTINE (FXFN NCVALUE)                      C041800
      ((Y OCTAL) (BCOL BCLEAN))
    (CRG NIL (BLOCK NIL (SET Z (PLUS Y (LEFT Y) -1))
      (SET X (RIGHT Y))
      (SET C (PLUS (IF (NQ (WORDAND (CORE X) 1Q15) 0)
        (LEFT X) (RIGHT X)) (MINUS Y) -1))
      MORE (SET B (CORE Z))
      (FOR A (RESET 0 (PLUS A 1))
        (WHILE (NQ A 24)) C041900
        (IF (NQ (WORDAND (CORE A) 4Q15) 0) (FXFN A FALSE))
        (IF (NQ (SET A (PLUS A C)) BPP) (GO MORE))))))) C042000
    (ROUTINE (FXFN NCVALUE)                      C042100
      ((Y OCTAL) (BCOL BCLEAN))
    (CRG NIL (BLOCK NIL (SET Z (PLUS Y (LEFT Y) -1))
      (SET X (RIGHT Y))
      (SET C (PLUS (IF (NQ (WORDAND (CORE X) 1Q15) 0)
        (LEFT X) (RIGHT X)) (MINUS Y) -1))
      MORE (SET B (CORE Z))
      (FOR A (RESET 0 (PLUS A 1))
        (WHILE (NQ A 24)) C042200
        (IF (NQ (WORDAND (CORE A) 4Q15) 0) (FXFN A FALSE))
        (IF (NQ (SET A (PLUS A C)) BPP) (GO MORE))))))) C042300
    (ROUTINE (FXFN NCVALUE)                      C042400
      ((Y OCTAL) (BCOL BCLEAN))
    (CRG NIL (BLOCK NIL (SET Z (PLUS Y (LEFT Y) -1))
      (SET X (RIGHT Y))
      (SET C (PLUS (IF (NQ (WORDAND (CORE X) 1Q15) 0)
        (LEFT X) (RIGHT X)) (MINUS Y) -1))
      MORE (SET B (CORE Z))
      (FOR A (RESET 0 (PLUS A 1))
        (WHILE (NQ A 24)) C042500
        (IF (NQ (WORDAND (CORE A) 4Q15) 0) (FXFN A FALSE))
        (IF (NQ (SET A (PLUS A C)) BPP) (GO MORE))))))) C042600
    (ROUTINE (FXFN NCVALUE)                      C042700
      ((Y OCTAL) (BCOL BCLEAN))
    (CRG NIL (BLOCK NIL (SET Z (PLUS Y (LEFT Y) -1))
      (SET X (RIGHT Y))
      (SET C (PLUS (IF (NQ (WORDAND (CORE X) 1Q15) 0)
        (LEFT X) (RIGHT X)) (MINUS Y) -1))
      MORE (SET B (CORE Z))
      (FOR A (RESET 0 (PLUS A 1))
        (WHILE (NQ A 24)) C042800
        (IF (NQ (WORDAND (CORE A) 4Q15) 0) (FXFN A FALSE))
        (IF (NQ (SET A (PLUS A C)) BPP) (GO MORE))))))) C042900
    (ROUTINE (FXFN NCVALUE)                      C043000
      ((Y OCTAL) (BCOL BCLEAN))
    (CRG NIL (BLOCK NIL (SET Z (PLUS Y (LEFT Y) -1))
      (SET X (RIGHT Y))
      (SET C (PLUS (IF (NQ (WORDAND (CORE X) 1Q15) 0)
        (LEFT X) (RIGHT X)) (MINUS Y) -1))
      MORE (SET B (CORE Z))
      (FOR A (RESET 0 (PLUS A 1))
        (WHILE (NQ A 24)) C043100
        (IF (NQ (WORDAND (CORE A) 4Q15) 0) (FXFN A FALSE))
        (IF (NQ (SET A (PLUS A C)) BPP) (GO MORE))))))) C043200
    (ROUTINE (FXFN NCVALUE)                      C043300
      ((Y OCTAL) (BCOL BCLEAN))
    (CRG NIL (BLOCK NIL (SET Z (PLUS Y (LEFT Y) -1))
      (SET X (RIGHT Y))
      (SET C (PLUS (IF (NQ (WORDAND (CORE X) 1Q15) 0)
        (LEFT X) (RIGHT X)) (MINUS Y) -1))
      MORE (SET B (CORE Z))
      (FOR A (RESET 0 (PLUS A 1))
        (WHILE (NQ A 24)) C043400
        (IF (NQ (WORDAND (CORE A) 4Q15) 0) (FXFN A FALSE))
        (IF (NQ (SET A (PLUS A C)) BPP) (GO MORE))))))) C043500
    (ROUTINE (FXFN NCVALUE)                      C043600
      ((Y OCTAL) (BCOL BCLEAN))
    (CRG NIL (BLOCK NIL (SET Z (PLUS Y (LEFT Y) -1))
      (SET X (RIGHT Y))
      (SET C (PLUS (IF (NQ (WORDAND (CORE X) 1Q15) 0)
        (LEFT X) (RIGHT X)) (MINUS Y) -1))
      MORE (SET B (CORE Z))
      (FOR A (RESET 0 (PLUS A 1))
        (WHILE (NQ A 24)) C043700
        (IF (NQ (WORDAND (CORE A) 4Q15) 0) (FXFN A FALSE))
        (IF (NQ (SET A (PLUS A C)) BPP) (GO MORE))))))) C043800
    (ROUTINE (FXFN NCVALUE)                      C043900
      ((Y OCTAL) (BCOL BCLEAN))
    (CRG NIL (BLOCK NIL (SET Z (PLUS Y (LEFT Y) -1))
      (SET X (RIGHT Y))
      (SET C (PLUS (IF (NQ (WORDAND (CORE X) 1Q15) 0)
        (LEFT X) (RIGHT X)) (MINUS Y) -1))
      MORE (SET B (CORE Z))
      (FOR A (RESET 0 (PLUS A 1))
        (WHILE (NQ A 24)) C044000
        (IF (NQ (WORDAND (CORE A) 4Q15) 0) (FXFN A FALSE))
        (IF (NQ (SET A (PLUS A C)) BPP) (GO MORE))))))) C044100

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(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 BCCL) (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 BCCL) (SET (RIGHT Y) (PLUS C D))))	0045100
(SET Y (CNEMOR Y)) (SET B (LSHIFT B 2)))	0045200
(SET Z (ONELSS Z)) (GC MORE) OUT)))	0045300
(RCUTINE PACKIT (W X Y Z)	0045400
(CRG NIL (BLCK 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
(BLCK 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))	C000100
(FUNCTION (ERROR SYMBOL) ((M SYMBOL)))	C000200
(FUNCTION (EXIT SYMBOL) ((M SYMBOL)))	C000300
(FUNCTION (LAP SYMBOL) ((X SYMBOL) (Y SYMBOL) (Z SYMBOL)))	C000400
(DECLARE TTY. DISC. TAPE. CORE. CRT. (SKIPR. INTEGER OWN))	C000500
(SKIPF. INTEGER OWN)	C000600
(WEOF. INTEGER CWN)	C000700
(WEOT. INTEGER CWN)	C000800
(REWIND. INTEGER OWN)	C000900
(BACKR. INTEGER OWN) (BACKF. INTEGER OWN) (KEY. INTEGER OWN))	C001000
(FUNCTION (PRETTYP SYMBOL) ((S SYMBOL)))	C001100
(FUNCTION (OPEN SYMBOL) ((FN SYMBOL) (DL SYMBOL)))	C001200
(FUNCTION (SFUT SYMBOL) ((FN SYMBOL) (DL SYMBOL)))	C001300
(FUNCTION (PPOSITION SYMBOL) ((FN SYMBOL) (DL INTEGER)))	C001400
(FUNCTION (INPUT SYMBOL) ((X SYMBOL)))	C001500
(FUNCTION (OUTPUT SYMBOL) ((X SYMBOL)))	C001600
(FUNCTION (READ SYMBOL) NIL)	C001700
(FUNCTION (PRINT SYMBOL) ((X SYMBOL)))	C001800
(FUNCTION (PRIN SYMBOL) ((X SYMBOL)))	C001900
(FUNCTION (PRINO SYMBOL) ((X SYMBOL)))	C002000
(FUNCTION (PRINATOM SYMBOL) ((X SYMBOL)))	C002100
(FUNCTION (PRINTKEN SYMBOL) ((X SYMBOL)) (PRINATOM X))	C002200
(FUNCTION (PRINSTRING SYMBOL) ((X SYMBOL)))	C002300
(FUNCTION (SYMPRENT SYMBOL) ((X SYMBOL)))	C002400
(FUNCTION (SYMPRIN SYMBOL) ((X SYMBOL)))	C002500
(FUNCTION (PRINCH SYMBOL) ((X SYMBOL)))	C002600
(FUNCTION (READCH SYMBOL) NIL)	C002700
(FUNCTION (PRINWCRD OCTAL) ((X OCTAL)))	C002800
(FUNCTION (READWCRD OCTAL) NIL)	C002900
(FUNCTION (ENDIN NOVALUE) NIL)	C003000
(FUNCTION (ENDINR NOVALUE) NIL)	C003100
(FUNCTION (ENDCUT NOVALUE) NIL)	C003200
(FUNCTION (ENDCUTR NOVALUE) NIL)	C003300
(FUNCTION (ENDINF NOVALUE) NIL)	C003400
(FUNCTION (ENDCUTP NOVALUE) NIL)	C003500
(FUNCTION (NCP NOVALUE) NIL)	C003600
(FUNCTION (NILF SYMBOL) NIL)	C003700
(RCUTINE (CLEAR NOVALUE) ((FN SYMBOL)))	C003800
(FUNCTION (ARREAD SYMBOL) NIL)	C003900
(RCUTINE GETCHAR ((A (ARRAY OCTAL)) (N INTEGER)))	C004000
(SECTION SYS SYMBOL)	C004100
(FUNCTION MESSAGE (A))	C004200
(FUNCTION (FNTRAP NOVALUE) NIL)	C004300
(FUNCTION (FMTRAP NOVALUE) NIL)	C004400
(FUNCTION (RECLAIM INTEGER) ((I INTEGER)))	C004500
(FUNCTION ((FVLIS1 . COMPIL) SYMBOL) (ARG))	C004600
(SECTION IC SYMBOL)	C004700
(DECLARE (XXSAVE SYMBOL FLUID LOC))	C004800
(DECLARE (XXFUNC (FUNCTIONAL SYMBOL) FLUID LOC)))	C004900
(MACRO1 (SECTION SYS SYMBOL))	C005000
DEFINE (((WDPART (LAMBDA (A B S M)	C005100
(List (QUOTE BIT)	C005200
A B (COND (M (CADR S))	C005300
(T (CONS (QUOTE CORE) (CDR S))))))))	C005400
MACRO1 (((ARSIZE (LAMBDA (S) (CONS (QUOTE LEFTAD) (CER S))))	C005500
(PREFIX (LAMBDA (S) (WDPART 42 6 S NIL))))	C005600
(PREFIM (LAMBDA (S) (WDPART 42 6 S T))))	C005700
(TAG (LAMBDA (S) (WDPART 18 6 S NIL))))	C005800
(TAGIM (LAMBDA (S) (WDPART 18 6 S T))))	C005900
(LEFTAD (LAMBDA (S) (WDPART 24 18 S NIL))))	C006000
(LEFTIM (LAMBDA (S) (WDPART 24 18 S T))))	C006100
(RGHTAD (LAMBDA (S) (WDPART 0 18 S NIL))))	C006200
(RGHTIM (LAMBDA (S) (WDPART 0 18 S T))))	C006300

(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) (CCNS (QUOTE WORD3) (CDR S)) T)))	0008300
(TCODES (LAMBDA (S)	0008400
(List (QUOTE TCODE) (CONS (QUOTE S20.) (CDR S))))	0008500
(XMFLOAT (LAMBDA (S) (WDPART 22 1 S NIL))))	0008600
(BCUNDS (SECTION SYS OCTAL)	0008700
(DECLARE (TRL OCTAL CWN)	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 CWN) (DELTRM OCTAL CWN))	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 BOOLEAN)	0011500
((S SYMBOL))	0011600
(CR (GQ (S20. S) 4Q5)	0011700
(AND ((ARSPAC . SYS) S) (EQ (PREFIX (S20. S)) 3))))	0011800
(RCUTINE (REALP BOOLEAN)	0011900
((S SYMBOL)) (AND ((ARSPAC . SYS) S) (EQ (PREFIX (S20. S)) 4)))	0012000
(RCUTINE (FORMALP BOOLEAN)	0012100
((S SYMBOL)) (AND ((ARSPAC . SYS) S) (EQ (PREFIX (S20. S)) 5)))	0012200
(RCUTINE (CWP BOOLEAN)	0012300
((S SYMBOL)) (AND ((TRSPAC . SYS) S) (EQ (PREFIX (S20. S)) 12Q)))	0012400
(RCUTINE (FLCIDP BOOLEAN)	0012500
((S SYMBOL)) (AND ((TRSPAC . SYS) S) (EQ (PREFIX (S20. S)) 11Q)))	0012600

(RCUTINE (FIXP BCCLEAN))	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 BOCLEAN))	0013200
((S SYMBOL))	0013300
(CR (AND ((TRSPAC . SYS) S) (EQ (PREFIX (S2C. S)) 7)) (CHARP S)))	0013400
(RCUTINE (STRINGP BOCLEAN))	0013500
((S SYMBOL)) (AND ((ARSPAC . SYS) S) (EQ (PREFIX (S20. S)) 6)))	0013600
(RCUTINE (LISTP BOCLEAN))	0013700
((X SYMBOL))	0013800
(BLOCK NIL LLOOP (IF (ATCM X) (RETURN (NULL X))))	0013900
(SET X (CDR X)) (GO LLOOP))	0014000
(RCUTINE (ATCM BOCLEAN))	0014100
((S SYMBOL)) (OR (LS (S20. S) LSP) (GQ (S20. S) LSO)))	0014200
(RCUTINE (GENICP BOCLEAN))	0014300
((S SYMBOL)) (AND (ICP S) (EQ (BIT 18 1 (WORD2 (S20. S))) 1)))	0014400
(RCUTINE (CHARP BOCLEAN))	0014500
((S SYMBOL)) (AND (LS (S20. S) TRC) (GQ (S2C. S) CHC)))	0014600
(RCUTINE (BCCLP BOCLEAN) ((S SYMBOL)) (LS (S20. S) 2)))	0014700
(EQUALS (SECTION SYS SYMBOL))	0014800
(FUNCTION (EQUAL. BOCLEAN))	0014900
((A SYMBOL) (B SYMBOL)) (EQL. A B TRUE))	0015000
(FUNCTION (EQUALN. BOCLEAN))	0015100
((A SYMBOL) (B SYMBOL)) (EQL. A B NIL))	0015200
(FUNCTION (EQL. BOCLEAN))	0015300
((A (ARRAY CCTAL)) (B (ARRAY OCTAL)) (FN BOCLEAN))	0015400
(BLOCK NIL (IF (EQN A B) (LABEL LIVE (RETURN TRUE))))	0015500
(BLOCK ((BA BOCLEAN (ATOM B))))	0015600
(IF (ATCM A) (IF BA (GO AT) (GO 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 (NUMBP A) (NUMBP B))	0016100
(BLOCK ((BR BCCLEAN (REALP B))))	0016200
(IF (REALP A)	0016300
(IF (NOT BR) (SET B (FLOAT B)))	0016400
BR (SET A (FLOAT A))	0016500
(BLOCK ((BS BOCLEAN (SPACEP. B))))	0016600
(IF (SPACEP. A) (IF BS (GO AR) (GO DIE)) BS (GO DIE))	0016700
(RETURN (EG (WORDXCR (S20. A) (S20. B)) 4Q5)))) (GO AR)))	0016800
(IF (NCT (AND (SPACEP. A) (SPACEP. B)))	0016900
(LABEL DIE (RETURN FALSE)))	0017000
AR (BLOCK ((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 (WORDXCR C D) 20777777Q) 0)) (GO DIE))	0017400
(BLOCK ((U CCTAL (BIT 18 3 C))	0017500
(V CCTAL (BIT 18 3 D)) (FLAG BOCLEAN 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 OI) (GO OR) (GO XCH))	0018200
(CASE (PLUS V -2) (GO II) (GC OR) (GO XCH))	0018300
(IF (EQ V 4G) (GO II) (GO XCH))	0018400
(IF (EQ V 5G) (GO FF) (GO XCH))	0018500
(IF (EQ V 6G) (GO CA) (GO DIE)))	0018600
XCH (IF (NCT (SET FLAG (NOT FLAG))) (GO DIE))	0018700
(CODE (LCA U) (ECH V) (STF U) (LCA A) (ECH B) (STF A))	0018800
(GO TNQ))	0018900

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

((S SYMBOL) (N INTEGER))	0025300
(IF (ARRAYP S)	0025400
(BLOCK ((Z INTEGER (ARSIZE (S20. S)))	0025500
(W OCTAL (I2C. (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) (NOT (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 OCTAL)) (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 (EQ SA SB)	0027500
(ERRMSG (CCNS SA SB)	0027600
(QQUOTE (DIFFERENT STRUCTURES. SCONCS OR NCONCS))))	0027700
(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) (EQ 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 (I2C. (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 (NOT (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
(IFC E (STEP (PLUS C -1) -1 LS 1) (SET (S E) (A E))))	0030900
(IF (CR (EQ G 0) (NOT (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))))
  (GO R) 0031700
  FILL (SET E Z) 0031800
  (FOR I (STEP I -1 LS 1) (SET (S (SET E (PLUS E -1))) (B I))) 0031900
  (GO R)))))) 0032000
( LISTS (SECTION SYS SYMBOL) 0032100
  (FUNCTION CONS2 (A B) 0032200
    (BLOCK ((S SYMBCL (C2S. (SET LSP (I20. (PLUS LSP -1))))))) 0032300
      (SET (CORE (S2C. S)) (S2D. B))
      (SET (CAR S) A) (IF (NOT (LS ARP LSP)) (RECLAIM 1) (RETURN S))) 0032400
  (FUNCTION CONS3 (A B C) (CONS A (CONS B C))) 0032500
  (FUNCTION CONS4 (A B C D) (CONS A (CONS B (CONS C D)))) 0032600
  (FUNCTION (LIST1 SYMBCL) ((X SYMBCL)) (CONS X NIL)) 0032700
  (FUNCTION (LIST2 SYMBCL) ((X SYMBCL) (Y SYMBCL)) (CONS X Y NIL)) 0032800
  (FUNCTION (LIST3 SYMBCL)
    ((X SYMBOL) (Y SYMBOL) (Z SYMBOL)) (CONS X Y Z NIL)) 0032900
  (FUNCTION (LIST4 SYMBCL)
    ((X SYMBOL) (Y SYMBOL) (Z SYMBOL) (W SYMBOL)) (CONS X Y Z W NIL)) 0033000
  (SECTION (LISP SYS FSM) SYMBOL) 0033100
  (FUNCTION LASTN ((I INTEGER) X) 0033200
    (BLOCK ((Y (FIRSTN I (SET X (DREVERSE X))))) 0033300
      (SET X (DREVERSE X)) (RETURN (DREVERSE Y))) 0033400
  (FUNCTION FIRSTN ((I INTEGER) X)
    (IF (OR (EQ I 0) (NULL X)) 0033500
      NIL (CCNS (CAR X) (FIRSTN (DIFFERENCE I 1) (CDR X))))) 0033600
  (RCUTINE DREVERSE (L) 0033700
    (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) SYMBOL) 0034000
    ((S (ARRAY CCTAL))) 0034100
    (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))) 0034200
  (FUNCTION ((COMPRESS . LISP) SYMBOL) 0034300
    ((L SYMBOL))
    (BLOCK NIL (FCR 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) (NULL (CDR L)) (RETURN (CAR L)))
      (SET L (CDR L)) (GO A))) 0034800
  (FUNCTION (FIND SYMBOL) 0034900
    ((A SYMBOL) (B SYMBOL))
    (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
        (RETURN NIL)))) 0035300
  (RCUTINE (FINDN SYMBOL) 0035400
    ((A SYMBOL) (B SYMBOL))
    (BLOCK ((C SYMBCL))
      (FOR C (IN B)
        (IF (AND (NOT (ATOM C)) (EQN A (CAR C))) (RETURN C)))) 0035500
        (RETURN NIL)))) 0035600
  (RCUTINE (FINDN SYMBOL) 0035700
    ((A SYMBOL) (B SYMBOL))
    (BLOCK ((C SYMBCL))
      (FOR C (IN B)
        (IF (AND (NOT (ATOM C)) (EQN A (CAR C))) (RETURN C)))) 0035800
        (RETURN NIL)))) 0035900
  (RCUTINE (FINDN SYMBOL) 0036000
    ((A SYMBOL) (B SYMBOL))
    (BLOCK ((C SYMBCL))
      (FOR C (IN B)
        (IF (AND (NOT (ATOM C)) (EQN A (CAR C))) (RETURN C)))) 0036100
        (RETURN NIL)))) 0036200
  (RCUTINE (FINDN SYMBOL) 0036300
    ((A SYMBOL) (B SYMBOL))
    (BLOCK ((C SYMBCL))
      (FOR C (IN B)
        (IF (AND (NOT (ATOM C)) (EQN A (CAR C))) (RETURN C)))) 0036400
        (RETURN NIL)))) 0036500
  (RCUTINE (FINDN SYMBOL) 0036600
    ((A SYMBOL) (B SYMBOL))
    (BLOCK ((C SYMBCL))
      (FOR C (IN B)
        (IF (AND (NOT (ATOM C)) (EQN A (CAR C))) (RETURN C)))) 0036700
        (RETURN NIL)))) 0036800
  (RCUTINE (FINDN SYMBOL) 0036900
    ((A SYMBOL) (B SYMBOL))
    (BLOCK ((C SYMBCL))
      (FOR C (IN B)
        (IF (AND (NOT (ATOM C)) (EQN A (CAR C))) (RETURN C)))) 0037000
        (RETURN NIL)))) 0037100
  (RCUTINE (FINDN SYMBOL) 0037200
    ((A SYMBOL) (B SYMBOL))
    (BLOCK ((C SYMBCL))
      (FOR C (IN B)
        (IF (AND (NOT (ATOM C)) (EQN A (CAR C))) (RETURN C)))) 0037300
        (RETURN NIL)))) 0037400
  (RCUTINE (FINDN SYMBOL) 0037500
    ((A SYMBOL) (B SYMBOL))
    (BLOCK ((C SYMBCL))
      (FOR C (IN B)
        (IF (AND (NOT (ATOM C)) (EQN A (CAR C))) (RETURN C)))) 0037600
        (RETURN NIL)))) 0037700
  (RCUTINE (FINDN SYMBOL) 0037800
    ((A SYMBOL) (B SYMBOL))
    (BLOCK ((C SYMBCL))
      (FOR C (IN B)
        (IF (AND (NOT (ATOM C)) (EQN A (CAR C))) (RETURN C)))) 0037900
        (RETURN NIL)))) 0038000

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(RETURN NIL))	0037900
(FUNCTION (MEMBER BOOLEAN)	0038000
((A SYMBOL) (B SYMBOL))	0038100
(BLOCK NIL L (IF (ATOM B)	0038200
(RETUR 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))) (GO D) (ATOM Z) (GO E))	0038900
(SET (CDR Y) Z)	0039000
B (IF (ATOM (CDR Z)) (GO C))	0039100
(SET Z (CDR Z))	0039200
(GO B)	0039300
C (SET Y Z)	0039400
D (IF (ATOM 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 (CN L) (SET N (PLUS N 1)) (RETURN N)))	0042300
(RCUTINE (NODF SYMBOL)	0042400
((N INTEGER) (L SYMBOL))	0042500
(BLOCK NIL (FCR L (CN 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 SYMBOL)
  (I OCTAL (I20. (PLUS 1 (TAG (S2C. BASEST)))))) 0044600
  (IF (NCT FSCHAR) (GC START)) 0044700
  (BLOCK ((OCT OCTAL (CH2OCT FSCHAR))) 0044800
  (CASE I (GC S0) (GC S1) (GO S2) (GO S3) (GO S4) (GO S5) (GO S6)) 0044900
  S0 (SET (BASEST 1) (SHIFT OCT 40)) 0045000
  (GO R) 0045100
  S1 (SET OCT (SHIFT OCT 32)) 0045200
  S5 (SET (BASEST 1) (WCRDOR OCT (BASEST 1))) 0045300
  R (SET (TAG (S20. BASEST)) I) 0045400
  (RETURN NIL) 0045500
  S2 (SET OCT (SHIFT OCT 24)) 0045600
  (GO S5) 0045700
  S3 (SET OCT (SHIFT OCT 16)) 0045800
  (GO S5) 0045900
  S4 (SET OCT (SHIFT OCT 8)) 0046000
  (GO S5) 0046100
  S6 (SET WCRKST (NCCNCS WORKST BASEST)) 0046200
  (SET I IQ) (GC S0)) 0046300
  START (SET ST (NCCNCS WORKST BASEST)) 0046400
  (SET WCRKST NIL) (SET (TAG (S2C. BASEST)) 0Q) (RETURN ST))) 0046500
(FUNCTION ((TOSTRG . LISP) SYMBOL) 0046600
 ((S SYMBOL)) 0046700
(BLOCK NIL (IF (STRINGP S)
  (RETURN (COPYARRAY S))
  (CHARP S)
  (GO CH)
  (IDP S)
  (GO IC)
  (NUMBP S)
  (RETURN (NUMSTR S))
  (NOT S)
  (GO NL)
  (B0CLP S)
  (GO TR) (FORMALP S) (BLOCK NIL (SET S (QUOTE F.....)) (GC ID)))
  (ERRMSG S (QUOTE (NCT A TOKEN))) 0046800
  CH (SET FSCHAR NIL)
  (MAKEST)
  (SET FSCHAR S)
  (MAKEST)
  R (SET FSCHAR NIL)
  (RETURN (MAKEST))
  ID (IF (AND (GENIDP S) (EQ (WORD1 (S20. S)) 0Q))
    (GENPNAME S))
  IDS (IF (EQ (BIT 2 1 (TAG (S20. S))) 0Q)
    (BLOCK ((A (ARRAY CCTAL) (GETARRAY 2))
      (B CCTAL (TAGIM (WORD3 (S20. S))))) 0046900
      (SET (PREFIX (S20. A)) 6Q)
      (IF (EQ B 0Q) (RETURN (TRUNC. A 0)))
      (SET (A 1) (WCRD1 (S20. S)))
      (SET (TAG (S20. A)) B) (RETURN A)))
    (RETURN (CCPYARRAY (C2S. (PNAME (S20. S)))))) 0047000
  TR (SET S TRUE.) (GC IDS) NL (SET S NIL.) (GO IDS))) 0047100
(SECTION (SYS FSM LISP) SYMBOL) 0047200
(FUNCTION (NUMSTR SYMBOL)
 ((X SYMBOL)) 0047300
(BLOCK ((I INTEGER))
  (IF (INTP X)
    (BLOCK NIL (SET I X)) 0047400
    (IF (EQ I 0) (SET I 1) (SET I (- I 1))) 0047500
    (IF (EQ I 1) (SET I 2) (SET I (- I 2))) 0047600
    (IF (EQ I 2) (SET I 3) (SET I (- I 3))) 0047700
    (IF (EQ I 3) (SET I 4) (SET I (- I 4))) 0047800
    (IF (EQ I 4) (SET I 5) (SET I (- I 5))) 0047900
    (IF (EQ I 5) (SET I 6) (SET I (- I 6))) 0048000
    (IF (EQ I 6) (SET I 7) (SET I (- I 7))) 0048100
    (IF (EQ I 7) (SET I 8) (SET I (- I 8))) 0048200
    (IF (EQ I 8) (SET I 9) (SET I (- I 9))) 0048300
    (IF (EQ I 9) (SET I 10) (SET I (- I 10))) 0048400
    (IF (EQ I 10) (SET I 11) (SET I (- I 11))) 0048500
    (IF (EQ I 11) (SET I 12) (SET I (- I 12))) 0048600
    (IF (EQ I 12) (SET I 13) (SET I (- I 13))) 0048700
    (IF (EQ I 13) (SET I 14) (SET I (- I 14))) 0048800
    (IF (EQ I 14) (SET I 15) (SET I (- I 15))) 0048900
    (IF (EQ I 15) (SET I 16) (SET I (- I 16))) 0049000
    (IF (EQ I 16) (SET I 17) (SET I (- I 17))) 0049100
    (IF (EQ I 17) (SET I 18) (SET I (- I 18))) 0049200
    (IF (EQ I 18) (SET I 19) (SET I (- I 19))) 0049300
    (IF (EQ I 19) (SET I 20) (SET I (- I 20))) 0049400
    (IF (EQ I 20) (SET I 21) (SET I (- I 21))) 0049500
    (IF (EQ I 21) (SET I 22) (SET I (- I 22))) 0049600
    (IF (EQ I 22) (SET I 23) (SET I (- I 23))) 0049700
    (IF (EQ I 23) (SET I 24) (SET I (- I 24))) 0049800
    (IF (EQ I 24) (SET I 25) (SET I (- I 25))) 0049900
    (IF (EQ I 25) (SET I 26) (SET I (- I 26))) 0050000
    (IF (EQ I 26) (SET I 27) (SET I (- I 27))) 0050100
    (IF (EQ I 27) (SET I 28) (SET I (- I 28))) 0050200
    (IF (EQ I 28) (SET I 29) (SET I (- I 29))) 0050300
    (IF (EQ I 29) (SET I 30) (SET I (- I 29))) 0050400
  ))) 0050500
)) 0050600

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A (IF (LS I C)	0050500
(BLOCK NIL (SET FSCHAR (QUOTE '-))	0050600
(MAKEST) (SET I (MINUS I))))	0050700
(REALP X)	0050800
(BLOCK ((X REAL X))	0050900
(IF (EQ X 0.0) (BLOCK NIL (STMAKE (QUOTE ('0 '1 '0))) (GO E)))	0051000
(IF (LS X 0.0)	0051100
(BLOCK NIL (SET FSCHAR (QUOTE '-))	0051200
(MAKEST) (SET X (MINUS X))))	0051300
(BLOCK ((J INTEGER (PLUS (BIT 36 11 (R20. X)) -1025))	0051400
(M REAL))	0051500
(SET I (ENTIER (TIMES 0.3010299954 J))))	0051600
C (SET M (EXPT 10.0 (ABS I)))	0051700
(IF (GQ (SET M (IF (LS I 0)	0051800
(TIMES X M) (GR I 0) (QUOTIENT X M) X)) 10.0)	0051900
(SET I (PLUS I 1)) (LS M 1.0) (SET I (PLUS I -1)) (GO D))	0052000
(GO C)	0052100
D (BLOCK ((K SYMBOL NIL) (CARRY BOOLEAN FALSE))	0052200
(SET J C)	0052300
(IF (LS I C) (GO G))	0052400
(IF (GR I 11) (SET X (QUOTIENT X (EXPT 10.0 (PLUS I -11)))))	0052500
(BLOCK ((XX INTEGER (ENTIER X)))	0052600
(SET M (TIMES 10.0 (DIFFERENCE X XX)))	0052700
LCOP (IF (EQ XX 0) (GO GG))	0052800
(SET K (CCNS (CCT2CH (WORDCR 6Q1 (REMAINDER XX 10)))) K))	0052900
(SET J (PLUS J 1))	0053000
(SET XX (IQUOTIENT XX 10))	0053100
(GO LCCP) GG (SET K (DREVERSE K)))	0053200
G (FCR J (STEP J 1 EQ 12)	0053300
(BLOCK ((XX INTEGER (ENTIER M)))	0053400
(SET K (CCNS (CCT2CH (WORDCR 6Q1 XX)))) K))	0053500
(SET M (TIMES 10.0 (DIFFERENCE M XX))))	0053600
(IF (GR M 5.0) (SET CARRY TRUE))	0053700
(BLOCK ((KK SYMBOL NIL) (EL SYMBOL))	0053800
(FOR EL (IN K)	0053900
(UNLESS (AND (EQN (IF (NOT CARRY)	0054000
EL (SET EL (IF (EQN EL (QUOTE '9)	0054100
QUOTE '0))	0054200
(BLOCK NIL (SET CARRY FALSE)	0054300
(RETURN (CHEAT INTEGER SYMBOL (PLUS 1 (CHEAT SYMBOL	0054400
INTEGER EL))))))) (QUOTE '0)) (NOT KK)))	0054500
(SET KK (CONS EL KK))) (SET K KK))	0054600
(IF (LQ (SET I (PLUS I 1)) 0) (GO S))	0054700
(SET FSCHAR (CAR K))	0054800
(MAKEST)	0054900
(SET K (CDR K))	0055000
(SET I (PLUS I -1))	0055100
S (SET FSCHAR (QUOTE '.'))	0055200
(MAKEST)	0055300
U (IF (NULL K)	0055400
(IF (EQ I 0)	0055500
(GO E) (BLOCK NIL (SET FSCHAR (QUOTE E)) (MAKEST) (GO A)))	0055600
(BLOCK NIL (SET FSCHAR (CAR K))	0055700
(MAKEST) (SET K (CDR K)) (GO U))))	0055800
(OCTALP X)	0055900
(BLOCK ((G OCTAL X))	0056000
(FOR I (STEP 15 -1 EQ 0)	0056100
(WHILE (EQ (BIT 45 3 Q) 0Q)) (SET Q (SHIFT Q 3)))	0056200
(FOR I (STEP I -1)	0056300
(BLOCK NIL (SET FSCHAR (OCT2CH (WORDCR 6Q1 (BIT 45 3 Q))))	0056400
(MAKEST)	0056500
(SET Q (SHIFT Q 3))	0056600
(IF (AND (EQ Q 0) (OR (EQ I 0) (GR I 3))) (GO Q))))	0056700

Q (SET FSCHAR (QUOTE Q)) (MAKEST) (IF (EQ I 0) (GO E)))	0056800
I (BLOCK ((K SYMBOL NIL))	0056900
X (SET K (CCNS (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
(IDENTS (SECTION SYS SYMBOL)	0057500
(DECLARE (GENNC INTEGER CWN 10000) (GENPFX SYMBOL OWN (QUOTE A)))	0057600
(FUNCTION ((GETIC . LISP) SYMBOL)	0057700
((S (ARRAY OCTAL)))	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 (WCRD1 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
(SCONS (TCSTRG GENPFX) (NUMSTR GENNO))))	0060100
(IF (GQ GENNC 10000) (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 0C)	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 (CBLIST (ARRAY SYMBOL) CWN)	0061600
(CBLSIZ INTEGER CWN 125) (BUCKNC INTEGER OWN))	0061700
(RCUTINE (BUCKET INTEGER)	0061800
((S (ARRAY OCTAL)))	0061900
(SET BUCKNO (IF (LS (LEFTAD (S20. S)) 2)	0062000
1 (PLS 1 (REMAINDER (ABS (S 1)) CBLSIZ))))	0062100
(SECTION (FSM SYS) SYMBOL)	0062200
(DECLARE (BASEST (ARRAY OCTAL) OWN (QUOTE (*STRING AAAAA)))	0062300
(WORKST (ARRAY OCTAL) 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

(*STRING ' FOUND ' INSTEAD ' OF ')	0063100
' IN ' DOTTED ' PAIR))))	0063200
(XXCHAR SYMBOL OWN)	0063300
((GNLIST . SYS) SYMBOL NIL)	0063400
(SPFLAG BOOLEAN CWN NIL) (FSCHAR SYMBOL OWN NIL))	0063500
FUNCTION ((MAKID . FSM) SYMBOL)	0063600
NIL (BLOCK ((S SYMBOL ((GETID . LISP) FSMSYM)))	0063700
(IF S (RETURN S))	0063800
(SET S (TRIPLE))	0063900
(BLOCK ((A (ARRAY OCTAL) FSMSYM)	0064000
(L SYMBOL ((OBELIST . SYS) (BUCKNO . SYS)))	0064100
(W2 OCTAL (IF SPFLAG 1Q7 0Q)))	0064200
(BLOCK ((N OCTAL (ARSIZE (S20. A))) (W3 OCTAL (S20. L)))	0064300
(IF (NQ N 2) (GO LCNG))	0064400
(SET (WORD1 (S20. S)) (A 1))	0064500
(SET (TAGIM W3) (TAG (S20. A)))	0064600
R (SET (WCRC3 (S20. S)) W3)	0064700
(SET (PREFIM W2) 7Q)	0064800
(SET (WCRC2 (S20. S)) W2)	0064900
(SET (CHAINS S) (S20. S))	0065000
(SET ((CBLIST . SYS) (BUCKNO . SYS)) S)	0065100
(RETURN S)	0065200
LONG (IF (GR N 2) (GO L1))	0065300
(SET W2 1Q7)	0065400
(GO R)	0065500
L1 (SET (WORD1 (S20. S))	0065600
(WORDOR (S20. FSMSYM) (WORDAND 77777777Q8 (A 1)))	0065700
(SET (BIT 20 1 W2) 1Q) (GO R))))	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 (CONS 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 (WCRC1 (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 (STSPEL SYMBOL OWN)	0068000
(STSPEL SYMBOL OWN) (STR.CH INTEGER CWN))	0068100
FUNCTION ((S.SUPL . IO) SYMBOL)	0068200
NIL (IF (LS (STRINGL STSPEL) STR.CH)	0068300
(CCT2CH 34Q)	0068400
(BLOCK ((X SYMBOL (GETCHAR STSPEL 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

(SET (XXSAVE . IC) STSAVE)	0069400
(SET STSPEL A)	0069500
(SET STR.CH C)	0069600
(SET C (TOKEN))	0069700
(SET STSAVE (XXSAVE . IC))	0069800
(SET (XXFUNC . ID) TT) (SET (XXSAVE . IC) ZZ) (RETURN C))	0069900
(FUNCTION ((SPELLP . FSM) BOOLEAN)	0070000
((A (ARRAY OCTAL)))	0070100
(BLOCK ((L INTEGER (STRINGL A)))	0070200
(RETURN (CR (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 SYMBOL)	0071400
((A SYMBOL) (B SYMBOL))	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 SYMBOL)	0071900
((A INTEGER) (B SYMBOL))	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 SYMBOL)	0072700
((A INTEGER) (B SYMBOL))	0072800
(IF (FIXP B) (PLUS A (SYM2INT B)) (PLUS A (SYM2REAL B)))	0072900
(FUNCTION (SMINS SYMBOL)	0073000
((A SYMBOL) (B SYMBOL))	0073100
(IF (FIXP B)	0073200
(DIFFERENCE A (SYM2INT B)) (DIFFERENCE A (SYM2REAL B)))	0073300
(FUNCTION (SMINI SYMBOL)	0073400
((A INTEGER) (B SYMBOL))	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 SYMBOL)	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 (GG 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
(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 0Q) Y)) 0077000
      (SHIFT Z (MINUS X))) 0Q)) 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 0Q)))) 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
(CCVERTS (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) 0Q (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. (SYM2CCT S))) 0079500
(FUNCTION (SYM2REAL REAL)
  ((S (ARRAY CCTAL))) 0079600
  (IF (REALP S) 0079700
    (O2R. (S 1)) (FIXP S) (FLOAT (SYM2CCT S)) (NUMERR S))) 0079800
  (FUNCTION (NUMERR SYMBOL) 0079900
    ((S SYMBOL)) (ERROR (CONS S (QUOTE (NOT A NUMBER))))) 0080000
  (FUNCTION (OCT2SYM SYMBOL) 0080100
    ((X OCTAL)) 0080200
    (IF (EQ (BIT 16 32 X) 0Q) 0080300
      (O2S. (PLUS X 2Q5)) 0080400
      (BLOCK ((A (ARRAY OCTAL) (GETARRAY 2))) 0080500
        (SET (PREFIX (S20. A)) 2) (SET (A 1) X) (RETURN A)))) 0080600
    (FUNCTION (REAL2SYM SYMBOL) 0080700
      ((X REAL)) 0080800
      (BLOCK ((A (ARRAY OCTAL) (GETARRAY 2))) 0080900
        (SET (PREFIX (S20. A)) 4) (SET (A 1) (R20. X)) (RETURN A))) 0081000
    (FUNCTION (INT2SYM SYMBOL) 0081100
      ((X INTEGER)) 0081200
      (IF (AND (LS X 2Q5) (GQ X 777777777577777Q)) 0081300
        (O2S. (I20. (PLUS X 6Q5))) 0081400
        (BLOCK ((A (ARRAY OCTAL) (GETARRAY 2))) 0081500
          (SET (PREFIX (S20. A)) 3) (SET (A 1) (I20. X)) (RETURN A)))) 0081600
    (FUNCTION (CH2CCT OCTAL) 0081700
      ((S SYMBOL)) 0081800
      (IF (AND (LS X 2Q5) (GQ X 777777777577777Q)) 0081900
        (O2S. (I20. (PLUS X 6Q5))) 0082000
        (BLOCK ((A (ARRAY OCTAL) (GETARRAY 2))) 0082100
          (SET (PREFIX (S20. A)) 3) (SET (A 1) (I20. X)) (RETURN A)))) 0082200
    (FUNCTION (INT2OCT OCTAL) 0082300
      ((S OCTAL))) 0082400
      (IF (AND (LS X 2Q5) (GQ X 777777777577777Q)) 0082500
        (O2S. (I20. (PLUS X 6Q5))) 0082600
        (BLOCK ((A (ARRAY OCTAL) (GETARRAY 2))) 0082700
          (SET (PREFIX (S20. A)) 3) (SET (A 1) (I20. X)) (RETURN A)))) 0082800
    (FUNCTION (REAL2OCT OCTAL) 0082900
      ((S OCTAL))) 0083000
      (IF (AND (LS X 2Q5) (GQ X 777777777577777Q)) 0083100
        (O2S. (I20. (PLUS X 6Q5))) 0083200
        (BLOCK ((A (ARRAY OCTAL) (GETARRAY 2))) 0083300
          (SET (PREFIX (S20. A)) 3) (SET (A 1) (I20. X)) (RETURN A)))) 0083400
    (FUNCTION (CH2CCT OCTAL) 0083500
      ((S OCTAL))) 0083600
      (IF (AND (LS X 2Q5) (GQ X 777777777577777Q)) 0083700
        (O2S. (I20. (PLUS X 6Q5))) 0083800
        (BLOCK ((A (ARRAY OCTAL) (GETARRAY 2))) 0083900
          (SET (PREFIX (S20. A)) 3) (SET (A 1) (I20. X)) (RETURN A)))) 0084000
    (FUNCTION (INT2OCT OCTAL) 0084100
      ((S OCTAL))) 0084200
      (IF (AND (LS X 2Q5) (GQ X 777777777577777Q)) 0084300
        (O2S. (I20. (PLUS X 6Q5))) 0084400
        (BLOCK ((A (ARRAY OCTAL) (GETARRAY 2))) 0084500
          (SET (PREFIX (S20. A)) 3) (SET (A 1) (I20. X)) (RETURN A)))) 0084600
    (FUNCTION (REAL2OCT OCTAL) 0084700
      ((S OCTAL))) 0084800
      (IF (AND (LS X 2Q5) (GQ X 777777777577777Q)) 0084900
        (O2S. (I20. (PLUS X 6Q5))) 0085000
        (BLOCK ((A (ARRAY OCTAL) (GETARRAY 2))) 0085100
          (SET (PREFIX (S20. A)) 3) (SET (A 1) (I20. X)) (RETURN A)))) 0085200
    (FUNCTION (CH2CCT OCTAL) 0085300
      ((S OCTAL))) 0085400
      (IF (AND (LS X 2Q5) (GQ X 777777777577777Q)) 0085500
        (O2S. (I20. (PLUS X 6Q5))) 0085600
        (BLOCK ((A (ARRAY OCTAL) (GETARRAY 2))) 0085700
          (SET (PREFIX (S20. A)) 3) (SET (A 1) (I20. X)) (RETURN A)))) 0085800
    (FUNCTION (INT2OCT OCTAL) 0085900
      ((S OCTAL))) 0086000
      (IF (AND (LS X 2Q5) (GQ X 777777777577777Q)) 0086100
        (O2S. (I20. (PLUS X 6Q5))) 0086200
        (BLOCK ((A (ARRAY OCTAL) (GETARRAY 2))) 0086300
          (SET (PREFIX (S20. A)) 3) (SET (A 1) (I20. X)) (RETURN A)))) 0086400
    (FUNCTION (REAL2OCT OCTAL) 0086500
      ((S OCTAL))) 0086600
      (IF (AND (LS X 2Q5) (GQ X 777777777577777Q)) 0086700
        (O2S. (I20. (PLUS X 6Q5))) 0086800
        (BLOCK ((A (ARRAY OCTAL) (GETARRAY 2))) 0086900
          (SET (PREFIX (S20. A)) 3) (SET (A 1) (I20. X)) (RETURN A)))) 0087000
    (FUNCTION (CH2CCT OCTAL) 0087100
      ((S OCTAL))) 0087200
      (IF (AND (LS X 2Q5) (GQ X 777777777577777Q)) 0087300
        (O2S. (I20. (PLUS X 6Q5))) 0087400
        (BLOCK ((A (ARRAY OCTAL) (GETARRAY 2))) 0087500
          (SET (PREFIX (S20. A)) 3) (SET (A 1) (I20. X)) (RETURN A)))) 0087600
    (FUNCTION (INT2OCT OCTAL) 0087700
      ((S OCTAL))) 0087800
      (IF (AND (LS X 2Q5) (GQ X 777777777577777Q)) 0087900
        (O2S. (I20. (PLUS X 6Q5))) 0088000
        (BLOCK ((A (ARRAY OCTAL) (GETARRAY 2))) 0088100
          (SET (PREFIX (S20. A)) 3) (SET (A 1) (I20. X)) (RETURN A)))) 0088200
    (FUNCTION (REAL2OCT OCTAL) 0088300
      ((S OCTAL))) 0088400
      (IF (AND (LS X 2Q5) (GQ X 777777777577777Q)) 0088500
        (O2S. (I20. (PLUS X 6Q5))) 0088600
        (BLOCK ((A (ARRAY OCTAL) (GETARRAY 2))) 0088700
          (SET (PREFIX (S20. A)) 3) (SET (A 1) (I20. X)) (RETURN A)))) 0088800
    (FUNCTION (CH2CCT OCTAL) 0088900
      ((S OCTAL))) 0089000
      (IF (AND (LS X 2Q5) (GQ X 777777777577777Q)) 0089100
        (O2S. (I20. (PLUS X 6Q5))) 0089200
        (BLOCK ((A (ARRAY OCTAL) (GETARRAY 2))) 0089300
          (SET (PREFIX (S20. A)) 3) (SET (A 1) (I20. X)) (RETURN A)))) 0089400
    (FUNCTION (INT2OCT OCTAL) 0089500
      ((S OCTAL))) 0089600
      (IF (AND (LS X 2Q5) (GQ X 777777777577777Q)) 0089700
        (O2S. (I20. (PLUS X 6Q5))) 0089800
        (BLOCK ((A (ARRAY OCTAL) (GETARRAY 2))) 0089900
          (SET (PREFIX (S20. A)) 3) (SET (A 1) (I20. X)) (RETURN A)))) 0090000
    (FUNCTION (REAL2OCT OCTAL) 0090100
      ((S OCTAL))) 0090200
      (IF (AND (LS X 2Q5) (GQ X 777777777577777Q)) 0090300
        (O2S. (I20. (PLUS X 6Q5))) 0090400
        (BLOCK ((A (ARRAY OCTAL) (GETARRAY 2))) 0090500
          (SET (PREFIX (S20. A)) 3) (SET (A 1) (I20. X)) (RETURN A)))) 0090600
    (FUNCTION (CH2CCT OCTAL) 0090700
      ((S OCTAL))) 0090800
      (IF (AND (LS X 2Q5) (GQ X 777777777577777Q)) 0090900
        (O2S. (I20. (PLUS X 6Q5))) 0091000
        (BLOCK ((A (ARRAY OCTAL) (GETARRAY 2))) 0091100
          (SET (PREFIX (S20. A)) 3) (SET (A 1) (I20. X)) (RETURN A)))) 0091200
    (FUNCTION (INT2OCT OCTAL) 0091300
      ((S OCTAL))) 0091400
      (IF (AND (LS X 2Q5) (GQ X 777777777577777Q)) 0091500
        (O2S. (I20. (PLUS X 6Q5))) 0091600
        (BLOCK ((A (ARRAY OCTAL) (GETARRAY 2))) 0091700
          (SET (PREFIX (S20. A)) 3) (SET (A 1) (I20. X)) (RETURN A)))) 0091800
    (FUNCTION (REAL2OCT OCTAL) 0091900
      ((S OCTAL))) 0092000
      (IF (AND (LS X 2Q5) (GQ X 777777777577777Q)) 0092100
        (O2S. (I20. (PLUS X 6Q5))) 0092200
        (BLOCK ((A (ARRAY OCTAL) (GETARRAY 2))) 0092300
          (SET (PREFIX (S20. A)) 3) (SET (A 1) (I20. X)) (RETURN A)))) 0092400
    (FUNCTION (CH2CCT OCTAL) 0092500
      ((S OCTAL))) 0092600
      (IF (AND (LS X 2Q5) (GQ X 777777777577777Q)) 0092700
        (O2S. (I20. (PLUS X 6Q5))) 0092800
        (BLOCK ((A (ARRAY OCTAL) (GETARRAY 2))) 0092900
          (SET (PREFIX (S20. A)) 3) (SET (A 1) (I20. X)) (RETURN A)))) 0093000
    (FUNCTION (INT2OCT OCTAL) 0093100
      ((S OCTAL))) 0093200
      (IF (AND (LS X 2Q5) (GQ X 777777777577777Q)) 0093300
        (O2S. (I20. (PLUS X 6Q5))) 0093400
        (BLOCK ((A (ARRAY OCTAL) (GETARRAY 2))) 0093500
          (SET (PREFIX (S20. A)) 3) (SET (A 1) (I20. X)) (RETURN A)))) 0093600
    (FUNCTION (REAL2OCT OCTAL) 0093700
      ((S OCTAL))) 0093800
      (IF (AND (LS X 2Q5) (GQ X 777777777577777Q)) 0093900
        (O2S. (I20. (PLUS X 6Q5))) 0094000
        (BLOCK ((A (ARRAY OCTAL) (GETARRAY 2))) 0094100
          (SET (PREFIX (S20. A)) 3) (SET (A 1) (I20. X)) (RETURN A)))) 0094200
    (FUNCTION (CH2CCT OCTAL) 0094300
      ((S OCTAL))) 0094400
      (IF (AND (LS X 2Q5) (GQ X 777777777577777Q)) 0094500
        (O2S. (I20. (PLUS X 6Q5))) 0094600
        (BLOCK ((A (ARRAY OCTAL) (GETARRAY 2))) 0094700
          (SET (PREFIX (S20. A)) 3) (SET (A 1) (I20. X)) (RETURN A)))) 0094800
    (FUNCTION (INT2OCT OCTAL) 0094900
      ((S OCTAL))) 0095000
      (IF (AND (LS X 2Q5) (GQ X 777777777577777Q)) 0095100
        (O2S. (I20. (PLUS X 6Q5))) 0095200
        (BLOCK ((A (ARRAY OCTAL) (GETARRAY 2))) 0095300
          (SET (PREFIX (S20. A)) 3) (SET (A 1) (I20. X)) (RETURN A)))) 0095400
    (FUNCTION (REAL2OCT OCTAL) 0095500
      ((S OCTAL))) 0095600
      (IF (AND (LS X 2Q5) (GQ X 777777777577777Q)) 0095700
        (O2S. (I20. (PLUS X 6Q5))) 0095800
        (BLOCK ((A (ARRAY OCTAL) (GETARRAY 2))) 0095900
          (SET (PREFIX (S20. A)) 3) (SET (A 1) (I20. X)) (RETURN A)))) 0096000
    (FUNCTION (CH2CCT OCTAL) 0096100
      ((S OCTAL))) 0096200
      (IF (AND (LS X 2Q5) (GQ X 777777777577777Q)) 0096300
        (O2S. (I20. (PLUS X 6Q5))) 0096400
        (BLOCK ((A (ARRAY OCTAL) (GETARRAY 2))) 0096500
          (SET (PREFIX (S20. A)) 3) (SET (A 1) (I20. X)) (RETURN A)))) 0096600
    (FUNCTION (INT2OCT OCTAL) 0096700
      ((S OCTAL))) 0096800
      (IF (AND (LS X 2Q5) (GQ X 777777777577777Q)) 0096900
        (O2S. (I20. (PLUS X 6Q5))) 0097000
        (BLOCK ((A (ARRAY OCTAL) (GETARRAY 2))) 0097100
          (SET (PREFIX (S20. A)) 3) (SET (A 1) (I20. X)) (RETURN A)))) 0097200
    (FUNCTION (REAL2OCT OCTAL) 0097300
      ((S OCTAL))) 0097400
      (IF (AND (LS X 2Q5) (GQ X 777777777577777Q)) 0097500
        (O2S. (I20. (PLUS X 6Q5))) 0097600
        (BLOCK ((A (ARRAY OCTAL) (GETARRAY 2))) 0097700
          (SET (PREFIX (S20. A)) 3) (SET (A 1) (I20. X)) (RETURN A)))) 0097800
    (FUNCTION (CH2CCT OCTAL) 0097900
      ((S OCTAL))) 0098000
      (IF (AND (LS X 2Q5) (GQ X 777777777577777Q)) 0098100
        (O2S. (I20. (PLUS X 6Q5))) 0098200
        (BLOCK ((A (ARRAY OCTAL) (GETARRAY 2))) 0098300
          (SET (PREFIX (S20. A)) 3) (SET (A 1) (I20. X)) (RETURN A)))) 0098400
    (FUNCTION (INT2OCT OCTAL) 0098500
      ((S OCTAL))) 0098600
      (IF (AND (LS X 2Q5) (GQ X 777777777577777Q)) 0098700
        (O2S. (I20. (PLUS X 6Q5))) 0098800
        (BLOCK ((A (ARRAY OCTAL) (GETARRAY 2))) 0098900
          (SET (PREFIX (S20. A)) 3) (SET (A 1) (I20. X)) (RETURN A)))) 0099000
    (FUNCTION (REAL2OCT OCTAL) 0099100
      ((S OCTAL))) 0099200
      (IF (AND (LS X 2Q5) (GQ X 777777777577777Q)) 0099300
        (O2S. (I20. (PLUS X 6Q5))) 0099400
        (BLOCK ((A (ARRAY OCTAL) (GETARRAY 2))) 0099500
          (SET (PREFIX (S20. A)) 3) (SET (A 1) (I20. X)) (RETURN A)))) 0099600
    (FUNCTION (CH2CCT OCTAL) 0099700
      ((S OCTAL))) 0099800
      (IF (AND (LS X 2Q5) (GQ X 777777777577777Q)) 0099900
        (O2S. (I20. (PLUS X 6Q5))) 0100000
        (BLOCK ((A (ARRAY OCTAL) (GETARRAY 2))) 0100100
          (SET (PREFIX (S20. A)) 3) (SET (A 1) (I20. X)) (RETURN A)))) 0100200
  
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(IF (CHARP S)
  (DIFFERENCE (S2C. S) CHO)
  (ERRMSG S (QUOTE (IS NOT A CHARACTER))))))
(FUNCTION (OCT2CH SYMBOL)
 ((X OCTAL))
 (IF (AND (LS (SET X (I2C. (PLUS X CHO))) TRC) (GG X CHO))
   (O2S. X)
   (ERRMSG (I2C. (DIFFERENCE X CHO))
     (QUOTE (IS NOT CHARACTER REPRESENTATION)))))
(FUNCTION (FCRM2SYM SYMBOL)
 ((X (FUNCTIONAL NOVALUE)))
 (BLOCK ((A (ARRAY OCTAL) (GETARRAY 2)))
   (SET (PREFIX (S2C. A)) 5) (SET (A 1) (F2C. X)) (RETURN A)))
(FUNCTION (SYM2FCRM FUNCTIONAL)
 ((S (ARRAY OCTAL)))
 (IF (FORMALP S)
   (O2F. (S 1)) (ERRMSG S (QUOTE (IS NOT A FUNCTIONAL))))))
(UTILITY (SECTION SYS SYMBOL)
 (FUNCTION (ERRMSG1 SYMBOL) ((A SYMCL)) (ERROR A))
 (FUNCTION (ERRMSG SYMBOL)
   ((A SYMBOL) (B SYMBOL)) (ERROR (CONS A B)))
 (FUNCTION (TRIPLE SYMBOL)
   NIL (BLOCK ((X OCTAL TRL))
     (IF (EQ X C) (GC A))
     (SET TRL (LINK TRL))
     (RETURN (O2S. X))
     A (SET TRP (I2C. (PLUS TRP 3)))
       (ADPCK 3) (RETURN (O2S. (I2C. (PLUS TRP -2)))))))
(RCUTINE (ADPCK NOVALUE)
 ((C INTEGER))
 (BLOCK NIL (SET (BIT 24 18 (COREENTRY PDCK1))
   (PLUS (BIT 24 18 (COREENTRY PDCK1)) C))
   (SET (BIT 24 18 (CORE (PLUS (ENTRY PDOK) 1)))
     (PLUS (BIT 24 18 (CORE (PLUS (ENTRY PDOK) 1)))) C)))
(RCUTINE (SPACEP. BOOLEAN)
 ((S SYMBOL)) (AND (GG (S2C. S) TRC) (LS (S2C. S) LSC)))
(RCUTINE (TRSPAC BOOLEAN)
 ((S SYMBOL)) (AND (GC (S2C. S) TRC) (LS (S2C. S) TRP)))
(DECLARES (SECTION SYS SYMBOL)
 (DECLARE DECLU SQWKUN)
 (FUNCTION MAKEFREE (N S STOR TYPE X)
 (BLOCK ((FR (GETFREE N S))
   (TES (FIND STCR KINLIST))
   (WRD1 OCTAL) CCWRD1 (WRD3 OCTAL) CCWRD3)
 (IF (NULL TES) (GO KINDER))
 (BLOCK ((TEST OCTAL (CDR TES)))
   (IF (EQ TEST 2Q)
     (GO MS)
     (NULL (TYPEP TYPE)) (GO TYPERR) (SET TYPE (STANTP TYPE)))
   (IF (NULL FR) (GO MF))
   (BLOCK ((FG (FVLIST FR)))
     (IF (NQ (CADR FG) TYPE)
       (GO REDEF)
       (NQ (CADDR FG) X)
       (GO REDEF)
       (EQ TEST 0Q)
       (GO R)
       (NQ (CDR (FIND (CAR FG) KINLIST)) TEST) (GO REDEF)))
     MX (SET (XMFLAG (S2C. FR)) (IF (NQ STOR (QUOTE FREE)) 1Q 0Q)))
     R (RETURN FR)
     REDEF (IF (NQ (VCOUNT (S2C. FR)) 0Q) (GO RDECER))
       (MESSAGE (APPEND (QUOTE (NEW DECLARATION FOR))
         (LIST (CONS N S)))))))
 0082000
 0082100
 0082200
 0082300
 0082400
 0082500
 0082600
 0082700
 0082800
 0082900
 0083000
 0083100
 0083200
 0083300
 0083400
 0083500
 0083600
 0083700
 0083800
 0083900
 0084000
 0084100
 0084200
 0084300
 0084400
 0084500
 0084600
 0084700
 0084800
 0084900
 0085000
 0085100
 0085200
 0085300
 0085400
 0085500
 0085600
 0085700
 0085800
 0085900
 0086000
 0086100
 0086200
 0086300
 0086400
 0086500
 0086600
 0086700
 0086800
 0086900
 0087000
 0087100
 0087200
 0087300
 0087400
 0087500
 0087600
 0087700
 0087800
 0087900
 0088000
 0088100
 0088200

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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)
 (SET DCWRD3 (02S. (BIT 6 18 WRD3)))) 0088700
 (IF (GR TEST 12Q) (GO FN)) 0088800
 (SET TES (FTYPER TYPE)) 0088900
 (IF (AND (EQ TEST 12Q) (EQ X (QUOTE VALUE)))
 (SET WRD1 (DFINIT TES)) (SET DCWRD1 (CREATE 1 TES NIL))) 0089000
 (GO MV) 0089100
 FN (SET WRD1 (F2C. FNTRAP)) 0089200
 (SET (BIT 42 6 WRD1) TEST) 0089300
 (SET TEST 12Q) 0089400
 MV (IF FR (GO FILL)) 0089500
 (SET FR (TRIPLE)) 0089600
 (SET (WCRD2 (S20. FR)) 0Q) 0089700
 (SET (CHAINS FR) (S20. S)) 0089800
 (SET (LINK (S20. FR)) (CHAINS N)) 0089900
 (SET (CHAINS N) (S20. FR)) 0090000
 FILL (IF DCWRD3 (SET (BIT 6 18 WRD3) (S20. DCWRD3))) 0090100
 (IF DCWRD1 (BLOCK NIL (SET (BIT 0 18 WRD1)
 (PLUS 1 (S20. DCWRD1)))) 0090200
 (SET (BIT 24 18 WRD1) (S20. DCWRD1)))) 0090300
 (SET (WCRD1 (S20. FR)) WRD1) 0090400
 (SET (TCODES FR) WRD3) 0090500
 (SET (PREFIX (S20. FR)) TEST) 0090600
 (GO MX) 0090700
 MS (BLOCK ((FG (GETFREE TYPE X)))
 (IF (NULL FG) (GO NOPDER)) 0090800
 (IF (AND (EQN TYPE N) (EQN X S))
 (BLOCK NIL (SET (TCODES FR) (SYNTYPE FR)) (GO R))) 0090900
 (IF (NULL (SET TES (SYNGET FG FR))) (GO SYNER)) 0091000
 (SET FG (FVLIST TES)) 0091100
 (IF (SET FR (MAKEFREE N S (CAR FG) (CADR FG) (CADDR FG)))
 (SET (TCODES FR) (WCRRDOR 2Q8 (SHIFT (S20. TES) 6)))) 0091200
 (GO R))) 0091300
 KINDER (SET TES (CONS STOR (QUOTE (INVALID KIND)))) 0091400
 (GO ERR) 0091500
 TYPERR (SET TES (CONS TYPE (QUOTE (INVALID TYPE)))) 0091600
 (GO ERR) 0091700
 RDECER (SET TES (CONS (FVLIST FR)
 (APPEND (QUOTE (NOT CHANGED TC)) (LIST (LIST STOR TYPE X))))) 0091800
 (GO ERR) 0091900
 SYNER (SET TES (QUOTE (CIRCULAR SYNONYM))) 0092000
 (GO MNS) 0092100
 NOPDER (SET TES (QUOTE (NO PRICR DECLARATION))) 0092200
 MNS (SET TES (APPEND (LIST STOR (CONS TYPE X)) TES)) 0092300
 ERR (MESSAGE (CONS (CONS N S) TES))) 0092400
 (DECLARE (KINDLIST SYMBOL OWN (QUOTE ((STET . 0Q)
 (MEANS . 2Q)
 (FREE . 11Q)
 (FLUID . 11Q)
 (OWN . 12Q)
 (FUNCTION . 21Q)
 (MACRO . 22Q) (INSTRUCTIONS . 23Q) (ROUTINE . 24Q))))) 0092500
 (RCUTINE (SYNTYPE OCTAL) ((A SYMBOL)) (TCODES (SYNGET A NIL))) 0092600
 (RCUTINE (SYNGET SYMBOL)
 ((A SYMBOL) (B SYMBOL))) 0092700
 (BLOCK ((C OCTAL)) 0092800
 L (IF (EQN A B) (RETURN NIL)) 0092900
 (SET C (TCODES A)) 0093000
 (IF (NQ (BIT 24 6 C) 2Q) (RETURN A)) 0093100

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 (SET A (O2S. (BIT 6 18 C))) (GC L))) 0094600
 (FUNCTION (MAKETYPE OCTAL) 0094700
 ((TYPE SYMBOL LEXICAL)) 0094800
 (BLOCK ((J CCTAL LEXICAL OQ)) 0094900
 (BLOCK ((AA (ARRAY CCTAL) FREE) 0095000
 (NN INTEGER FREE 1) 0095100
 (RR INTEGER FREE 0) 0095200
 (PP INTEGER FREE 42) 0095300
 (WWL OCTAL FREE LCC J) (HERE BCOLEAN FREE TRUE)) 0095400
 (TYPRL 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 (TYPRL NOVALUE) 0096000
 ((X SYMBOL LEXICAL)) 0096100
 (IF (ATCM X) 0096200
 (BLOCK ((TC CCTAL LEXICAL OQ)) 0096300
 (IF (NUMBP X) 0096400
 (SET TC X) 0096500
 (SET X (FINDN X (QUOTE ((SYMBOL . OQ)
 (BCOLEAN . 1Q)
 (OCTAL . 2Q)
 (INTEGER . 3Q)
 (REAL . 4Q)
 (FUNCTIONAL . 5Q)
 (ARRAY . 12Q1)
 (LCC . 11Q1) (NOVALUE . 37Q) (INDEF . 37Q)))))) 0096600
 (0096700
 (0096800
 (0096900
 (0097000
 (0097100
 (0097200
 (0097300
 (0097400
 (0097500
 (0097600
 (0097700
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 (0097900
 (0098000
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 (0098200
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 (0098400
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 (0099000
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 (0099200
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 (0099400
 (0099500
 (0099600
 (0099700
 (0099800
 (0099900
 (0100000
 (0100100
 (0100200
 (0100300
 (0100400
 (0100500
 (0100600
 (0100700
 (0100800

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(BLOCK ((P OCTAL (CHAINS N)))
L (IF (EQN (C2S. P) N)
      (RETURN NIL) (EQN (C2S. (CHAIN P)) S) (RETURN (O2S. P)))
      (SET P (LINK P)) (GC L)))
(FUNCTION (FVLIST SYMBOL)
  ((S SYMBOL)) (IF S (CCNS (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 (EC (XMFFLAG (S20. S)) 0Q) (QUOTE FREE) (QUOTE FLUID))
      (EQ (WCRDAND 1C14 (WCRD3 (S20. S))) 0Q)
      (QUOTE OWN)
      (BLOCK ((X SYMBOL (FINDN (BIT 0 3 (PREFIX (WORD1 (S20. S)))))))
        (QUOTE ((0Q . CWN)
          (1Q . FUNCTION)
          (2Q . MACRO) (3Q . INSTRUCTIONS) (4Q . ROUTINE))))))
      (IF X (RETURN (CDR X)) (RETURN (QUOTE UNKNOWN))))))
(DECLARE (AA (ARRAY OCTAL))
  (NN INTEGER)
  (WW OCTAL LCC) (RR INTEGER) (PP INTEGER) (WW OCTAL))
(FUNCTION GETYPE (S)
  (IF (EQ (BIT 42 6 (WCRD3 (S20. S))) 2Q)
      (BLOCK ((Q SYMBOL (VARNAMES (O2S. (BIT 24 18 (WORD3 (S20. S)))))))
        (RETURN (LIST (CAR Q) (CDR Q)))))
      (BLOCK ((WW OCTAL 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 (DTYP TC))
        (IF (EQ (BIT 3 1 TC) 0Q) (QUOTE VALUE) (QUOTE LCC))))
    (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) (DTYP 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 DC))
            R (SET PP 42)
            (GO RT)
            ARR (IF (LS (SET RR (PLUS RR 1)) (ARSIZE (S20. AA)))
              (SET KW (AA RR)) (GO B)) (GO R)))
        (TYPEQ (SECTION SYS SYMBOL)
          (FUNCTION (TYPEP BOOLEAN)
            ((J SYMBOL)) (OR (STYPEP J) (ATYPEP J) (FUNTYP J)))
          (FUNCTION (STYPEP BOOLEAN)
            ((J SYMBOL))
            (MEMBER J (QUOTE (BCCLEAN INTEGER OCTAL REAL SYMBOL)))))))

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(FUNCTION (ATYPEP BOOLEAN))	C107200
((J SYMBOL))	C107300
(AND (NCT (ATCM J))	C107400
(EQN (CAR J) (QUOTE ARRAY))	C107500
(CDR J) (NULL (CDDR J)) (FTYPP (CADR J)))	C107600
(FUNCTION (FLNTYP BOOLEAN))	C107700
((J SYMBOL))	C107800
(AND (NCT (ATCM J))	C107900
(EQN (CAR J) (QUOTE FUNCTIONAL))	C108000
(SET J (CDR J))	C108100
(VTYPEP (CAR J))	C108200
(BLOCK NIL LOOP (IF (NULL (SET J (CDR J))))	C108300
(RETURN TRUE)	C108400
(AND (EQN (LENGTH J) 1) (INDEFP (CAR J)))	C108500
(RETURN TRUE) (PTYPEP (CAR J)) (GO LOOP))))	C108600
(FUNCTION (FTYPP BOOLEAN))	C108700
((J SYMBOL)) (OR (STYPEP J) (EQN J (QUOTE FUNCTIONAL))))	C108800
(FUNCTION (VTYPEP BOOLEAN))	C108900
((J SYMBOL)) (OR (FTYPP J) (EQN J (QUOTE NOVALUE))))	C109000
(FUNCTION (INDEFP BOOLEAN) ((J SYMBOL)) NIL)	C109100
(FUNCTION (PTYPEP BOOLEAN))	C109200
((J SYMBOL))	C109300
(IF (ATCM J))	C109400
(FTYPP J)	C109500
(AND (FTYPP (CAR J))	C109600
(OR (NULL (CDR J)) (AND (TMODEP (CADR J)) (NULL (CDDR J))))))	C109700
(FUNCTION (TMODEP BOOLEAN))	C109800
((J SYMBOL)) (MEMBER J (QUOTE (LCC VALUE))))	C109900
(RCUTINE (FTYPER SYMBOL))	C110000
((TYPE SYMBOL))	C110100
(IF (ATCM TYPE))	C110200
TYPE (EQ (CAR TYPE) (QUOTE FUNCTIONAL))	C110300
(QUOTE FUNCTIONAL) (QUOTE SYMBOL)))	C110400
(FUNCTION STANTP (TYPE))	C110500
(IF (NCT (FUNTP TYPE))	C110600
TYPE (CONS (CAR TYPE) (CADR TYPE) (MAPCAR (CDDR TYPE) TPFIX))))	C110700
(FUNCTION TPFIX (A))	C110800
(IF (ATCM A))	C110900
(CONS A (QUOTE (VALUE)))	C111000
(EQ (CAR A) (QUOTE INDEF))	C111100
(LIST (QUOTE INDEF) (TPFIX (CADR A))) A)))	C111200
(TYPES (SECTION SYS SYMBOL))	C111300
(RCUTINE (DFINIT OCTAL))	C111400
((TYPE SYMBOL))	C111500
(IF (INQ TYPE (QUOTE FUNCTIONAL)) DQ (F20. FMTRAP)))	C111600
(DECLARE (TYPMSG CWN (QUOTE (IS NCT LEGAL TYPE))))	C111700
(FUNCTION (CCNVRT OCTAL))	C111800
((TYPE SYMBOL) (VALUE SYMBOL))	C111900
(IF (OR (EQ TYPE (QUOTE SYMBOL)) (EQ TYPE (QUOTE BOOLEAN)))	C112000
(S20. VALUE)	C112100
(OR (EQ TYPE (QUOTE INTEGER)) (EQ TYPE (QUOTE OCTAL)))	C112200
VALUE (EQ TYPE (QUOTE REAL))	C112300
(R20. VALUE)	C112400
(EQ TYPE (QUOTE FUNCTIONAL)) (F20. VALUE) (ERRMSG TYPE TYPMSG)))	C112500
(DECLARE (STYPES SYMBOL CWN (QUOTE ((0Q . SYMBOL)	C112600
(1Q . BOOLEAN)	C112700
(2Q . OCTAL)	C112800
(3Q . INTEGER)	C112900
(4Q . REAL)	C113000
(5Q . FUNCTIONAL)	C113100
(6Q . STRING)	C113200
(7Q . ID)	C113300
(1Q1 . QLCTE)	C113400

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(11Q . FLUID)
(12Q . OWN)
(13Q . EMPTY)
(2Q1 ARRAY SYMBOL)
(21Q ARRAY BCLEAN)
(22Q ARRAY OCTAL)
(23Q ARRAY INTEGER)
(24Q ARRAY REAL) (25Q ARRAY FUNCTIONAL))))))
(FUNCTION (STYPE SYMBOL)
((S SYMBOL))
(BLOCK ((A SYMBOL (IF (SPACEP. S)
(FINDN (PREFIX (S20. S)) STYPES) NIL)))
(RETURN (IF A (CAR A) NIL))))))
(MAKEQUOTE (FUNCTION (MAKEQUOTE SYMCL)
((S SYMBOL))
(BLOCK ((TR SYMBOL (TRIPLE)))
(SET (WCRD3 (S20. TR)) 0Q)
(SET (WCRD2 (S20. TR)) 100000000000001Q)
(SET (WORD1 (S20. TR)) (S20. S)) (RETURN TR))))))
(DEBUGGER (SECTION (DEBUG SYS) SYMBOL)
(FUNCTION ((ARTYPE . IO) SYMBOL) ((X SYMBOL)))
(FUNCTION ((ARYCHK . DEBUG) INTEGER)
((A SYMBOL) (T SYMBOL) (S INTEGER)))
(IF (NOT (ARRAYP A))
(S20. (ERRCR (LIST A (QUOTE SUBSCRIPTED)))))
(NOT (EQN T ((ARTYPE . IO) A))))
(S20. (ERRCR (QUOTE (BAD TYPED ARRAY)))))
(OR (LQ S C) (GQ S (BIT 24 18 (CCRE (S20. A))))))
(S20. (ERRCR (QUOTE (OUT OF BOUNDS SUBSCRIPT)))) S)))
(FUNCTION ((ATMCHK . DEBUG) SYMBOL)
((X SYMBOL))
(IF (ATCM X) (ERRCR (CONS X (QUOTE (CAR OR CDR ED)))) X)))
(FUNCTION ((FUNCHK . DEBUG) NOVALUE)
((D SYMBOL) (F (FUNCTIONAL REAL)))
(BLOCK ((E SYMBOL (CADR (FVLIST (C2S. (I20. (PLUS (BIT 0 18 (F2C.
F)) 1)))))))
(IF (NCT (CR (EQ (QUOTE NOVALUE) (CADR D)))
(EQN (CADR D) (CADR E)))) (ERROR (QUOTE (FUNCTIONAL VALUE TYPE MISMATCH))))
(IF (NCT (EQ (CDDR D) (CDDR E))) (ERROR (QUOTE (ARG OF FUNCTIONAL TYPE MISMATCH)))))))
0113500
0113600
0113700
0113800
0113900
0114000
0114100
0114200
0114300
0114400
0114500
0114600
0114700
0114800
0114900
0115000
0115100
0115200
0115300
0115400
0115500
0115600
0115700
0115800
0115900
0116000
0116100
0116200
0116300
0116400
0116500
0116600
0116700
0116800
0116900
0117000
0117100
0117200
0117300
0117400
0117500
0117600

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****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 (SELT SYMBOL) ((FN SYMBOL) (DL SYMBOL)))	0000600
(FUNCTION (PCPOSITION SYMBOL) ((F SYMBOL) (A INTEGER)))	0000700
(FUNCTION (INPUT SYMBOL) ((X SYMBOL)))	0000800
(FUNCTION (OLTPUT SYMBOL) ((X SYMBOL)))	0000900
(FUNCTION (PRINT SYMBOL) ((X SYMBOL)))	0001000
(FUNCTION (PRIN SYMBOL) ((X SYMBOL)))	0001100
(FUNCTION (PRIND 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 (PRINCE 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 (ENDIN 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) (CL 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))	0003700
(FUNCTION (CAR. SYMBOL) ((A SYMBOL) (CAR A)))	0003800
(FUNCTION (LCGTTY NOVALUE) ((C INTEGER) (M SYMBOL)))	0003900
(FUNCTION (B1 SYMBOL) ((S SYMBOL)))	0004000
(FUNCTION (F1 SYMBOL) ((S SYMBOL)))	0004100
(FUNCTION READ NIL)	0004200
(FUNCTION (CHSPL SYMBOL) NIL)	0004300
(FUNCTION (TTONSPL SYMBOL) NIL)	0004400
(FUNCTION (TCSTRG SYMBOL) ((A SYMBOL)))	0004500
(FUNCTION (CVRTNM INTEGER) ((FN SYMBOL)))	0004600
(FUNCTION (SEQNO NOVALUE) NIL)	0004700
(FUNCTION (INTTY NOVALUE) NIL)	0004800
(FUNCTION (INTAPE NOVALUE) NIL)	0004900
(FUNCTION (INDISC NOVALUE) NIL)	0005000
(FUNCTION (OLTTY NOVALUE) NIL)	0005100
(FUNCTION (OLTAPE NOVALUE) NIL)	0005200
(FUNCTION (OUTDISC NOVALUE) NIL)	0005300
(FUNCTION (INTPAS NOVALUE) NIL)	0005400
(FUNCTION (OLTPAS NOVALUE) NIL)	0005500
(FUNCTION (INDCAS NOVALUE) NIL)	0005600
(FUNCTION (OLTDCAS NOVALUE) NIL)	0005700
(RCUTINE (MOVEI INTEGER) ((S INTEGER) (B OCTAL LOC)))	0005800
(RCUTINE (MOVEC INTEGER) ((S INTEGER) (B OCTAL LOC)))	0005900
(RCUTINE (MODIFY INTEGER) NIL)	0006000
(FUNCTION (RDEC SYMBOL) ((NM INTEGER)))	0006100
(RCUTINE (FDEC INTEGER)	0006200
((NM INTEGER))	0006300

(UT INTEGER)	C006400
(FM INTEGER)	C006500
(SZ INTEGER) (RL INTEGER) (PK INTEGER) (PT INTEGER))	C006600
(RCUTINE (CVRTN1 INTEGER) ((S OCTAL LOC) (I INTEGER)))	C006700
(RCUTINE (SETBLF NOVALUE) ((SINK CCTAL LOC) (K OCTAL)))	C006800
(FUNCTION (T8X6 BOCLEAN)	C006900
(EOR OCTAL)	C007000
(SOURCE CCTAL LOC) (SINK OCTAL LCC) (J INTEGER) (I INTEGER))	C007100
(RCUTINE (T8X12 NOVALUE) NIL)	C007200
(RCUTINE (T12X8 INTEGER) NIL)	C007300
(FUNCTION (TRANDC INTEGER) ((CH CCTAL) (J INTEGER)))	C007400
(FUNCTION (TRANTP INTEGER) ((CH CCTAL) (J INTEGER)))	C007500
(FUNCTION (T6X8 NOVALUE)	C007600
((COL INTEGER) (WHAT (FUNCTIONAL INTEGER OCTAL INTEGER))))	C007700
(RCUTINE (T75 BOCLEAN) NIL)	C007800
(RCUTINE (GETCHAR SYMBOL) ((A OCTAL LOC) (CC INTEGER)))	C007900
(RCUTINE (SETCHAR SYMBOL) ((CH SYMBOL) (A OCTAL LOC) (CC INTEGER))))	C008000
(DSPCHR (LAP (FUNCTION ((NCP + LISP) NCVALUE)	C008100
NIL (CRG)	C008200
(BEGIN)	C008300
(END)	C008400
(RETURN)	C008500
(ENTRY FIXBUF (LABEL BUF))	C008600
(ENTRY DCALL (LABEL DEC))	C008700
(ENTRY DNAME ((LABEL DEC) 2))	C008800
(ENTRY DUNIT ((LABEL DEC) 3))	C008900
(ENTRY DFORM ((LABEL DEC) 4))	C009000
(ENTRY DSIZE ((LABEL DEC) 6))	C009100
(ENTRY DREEL ((LABEL DEC) 8))	C009200
(ENTRY DPRCTK ((LABEL DEC) 9))	C009300
(ENTRY DPOST ((LABEL DEC) 10))	C009400
(ENTRY DSTAT ((LABEL DEC) 11))	C009500
(ENTRY MCALL (LABEL MCOV))	C009600
(ENTRY MNAME ((LABEL MCOV) 2))	C009700
(ENTRY MINCUT ((LABEL MOOV) 3))	C009800
(ENTRY MLOC ((LABEL MCOV) 5))	C009900
(ENTRY MSECTR ((LABEL MOOV) 7))	C010000
(ENTRY MWDSIN ((LABEL MOOV) 9))	C010100
(ENTRY MSTAT ((LABEL MCOV) 10))	C010200
(ENTRY MSIZE ((LABEL MCOV) 12))	C010300
(ENTRY MPPOST ((LABEL MCOV) 13))	C010400
(ENTRY BELL (LABEL BELLS))	C010500
(ENTRY TAPCS (LABEL POS))	C010600
(ENTRY TNAME ((LABEL PCS) 2))	C010700
(ENTRY ACTION ((LABEL POS) 3))	C010800
(ENTRY RESQUE (LABEL RES))	C010900
(ENTRY DEFILE (LABEL DEF))	C011000
(ENTRY DFNAME ((LABEL DEF) 2))	C011100
(ENTRY DELETE (LABEL DEL))	C011200
(ENTRY DLNAME ((LABEL DEL) 2))	C011300
(ENTRY DLSTAT ((LABEL DEL) 3))	C011400
(ENTRY REFILE (LABEL REF))	C011500
(ENTRY RFNAME ((LABEL REF) 2))	C011600
(ENTRY RWDSIN ((LABEL REF) 4))	C011700
(ENTRY RFSTAT ((LABEL REF) 5))	C011800
(ENTRY RFORM ((LABEL REF) 6))	C011900
(ENTRY INSERT (LABEL INS))	C012000
(ENTRY ISNAME ((LABEL INS) 2))	C012100
(ENTRY INNAME ((LABEL INS) 4))	C012200
(ENTRY INSTAT ((LABEL INS) 5))	C012300
(ENTRY INSIZE ((LABEL INS) 7))	C012400
(ENTRY MDFY (LABEL MOD))	C012500
(ENTRY MCNAME ((LABEL MOD) 2))	C012600

(ENTRY MESIZE ((LABEL MOD) 4))	0012700
(ENTRY MDSTAT ((LABEL MOD) 5))	0012800
(ENTRY DSPCHR 312Q)	0012900
(ENTRY IN ((LABEL INK)))	0013000
(ENTRY CUT ((LABEL CUTK)))	0013100
DEC (4331624731310113Q)	0013200
(263143256C600606Q)	0013300
(163637011717777Q)	0013400
(644531636C60001Q1)	0013500
(264651446C600521Q)	0013600
(456444662462016Q1)	0013700
(1)	0013800
(512525436C600604Q)	0013900
(0)	0014000
(475146632542Q4)	0014100
(474662636C6Q5)	0014200
(634562632163Q4)	0014300
MCOV (4331624731310114Q)	0014400
(444665256C600606Q)	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
(444665256C600606Q)	0015900
(163637011717777Q)	0016000
(466463476463046Q1)	0016100
(234651253167016Q1)	0016200
(0 ((LABEL BELL1)))	0016300
BELL1 (700C70003Q4)	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 (4331624731310105Q)	0019400
(4446243126700606Q)	0019500
(0)	0019600
(45644466246201Q2)	0019700
(0)	0019800
(634562632163Q4)	0019900
BUF (6414 C. 0 520)	0020000
(60636C606C606C6Q1)	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 OCTAL))	0020600
CWN (QUOTE (*OCTAL 60010040006Q5 6001000100610001Q	0020700
6001000200620002Q 7702000300630003Q 6001000400640004Q	0020800
6001000500650005Q 6001000600660006Q 5201000700670007Q	0020900
600100100070001Q1 6001001100710011Q 3201001200000012Q	0021000
6001001300750013Q 6001001400470014Q 3202001500720015Q	0021100
600100160076016Q 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
214006261230062Q 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 CWN))	0024600
(XXDLIM SYMBOL CWN (QUOTE '.)	0024700
(XXCHAR SYMBOL CWN)	0024800
(GNMGDE BOOLEAN FLUID NIL)	0024900
(PRMODE BOOLEAN FLUID NIL) (OTTY SYMBOL OWN) (TTY 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 OWN 3)	0026600
(WEOT. INTEGER OWN 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 LCC)	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 LCC)	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 LCC)	0028900
(IPAGE INTEGER FLUID LOC)	0029000
(RECORD INTEGER FLUID LCC)	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 LCC)	0029900
(ISECTOR INTEGER FLUID LOC)	0030000
(STATUS INTEGER FLUID LCC)	0030100
(ISTATUS INTEGER FLUID LOC)	0030200
(TTYMAX INTEGER FLUID LCC)	0030300
(NAME INTEGER FLUID LCC)	0030400
(INAME INTEGER FLUID LOC)	0030500
(BUFLOC (ARRAY OCTAL) FLUID)	0030600
(IBUFLOC (ARRAY OCTAL) FLUID)	0030700
(LINELOC CCTAL FLUID LOC)	0030800
(ILINELOC OCTAL FLUID LOC)	0030900
(FIXLOC OCTAL FLUID LCC)	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 NCVALUE) FLUID LCC)	0031600
(MOVE (FUNCTIONAL NCVALUE) FLUID LOC)	0031700
(IMOVE (FUNCTIONAL NCVALUE) FLUID LCC)	0031800
(XXFUNC (FUNCTIONAL SYMBOL) FLUID LCC)	0031900
(KEY (FUNCTIONAL NCVALUE) FLUID LCC)	0032000
(IKEY (FUNCTIONAL NCVALUE) FLUID LOC)	0032100
(XXSAVE SYMBCL FLUID LOC)	0032200
(FILES. SYMBCL FLUID NIL)	0032300
(WPL INTEGER FLUID LCC)	0032400
(IWPL INTEGER FLUID LCC)	0032500
(CPW INTEGER FLUID 6)	0032600
(SHORWD SYMBCL 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 'U '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
(SECTION (IO SYS) SYMBCL) (DECLARE (BUFIX (ARRAY OCTAL) FLUID)))	0033700
(DCALLS (SECTION (IO LISP SYS) SYMBCL)	0034000
(RCUTINE (MODIFY INTEGER)	0034100
NIL (BLOCK NIL (SET (CORENTRY MENAME) NAME))	0034200
(SET (CORENTRY MDSIZE) (TIMES 512 (PLUS 9 MAXSEC)))	0034300
(CODE (LDA (ENTRY MODFY) (RA R)) (BUC (ENTRY DSPCHR)))	0034400
(RETURN (BIT 0 6 (CORENTRY MDSTAT))))))	0034500
(DECLARE (TO (ARRAY OCTAL)	0034600
CWN (QUOTE (*OCTAL 22Q 3Q1 23Q 21Q 22Q 22Q))))	0034700
(FUNCTION (RDEC SYMBCL)	0034800
((NM INTEGER))	0034900
(BLOCK NIL (SET (CORENTRY RFNAME) NM))	0035000
(CODE (LDA (ENTRY REFILE) (RA R)) (BUC (ENTRY DSPCHR)))	0035100
(RETURN (LIST (BIT 0 6 (CORENTRY RFSTAT))	0035200
(T) (PLUS 1 (BIT 0 6 (CORENTRY RFORM)))) (CORENTRY RWDSIN))))))	0035300
(RCUTINE (FDEC INTEGER))	0035400
((NM INTEGER))	0035500
(UT INTEGER)	0035600
(FM INTEGER)	0035700
(SZ INTEGER) (RL INTEGER) (PK INTEGER) (PT INTEGER))	0035800
(BLOCK NIL (SET (BIT 0 6 (CORENTRY DPOST)) PT))	0035900
(SET (BIT 0 6 (CORENTRY DPROTK)) PK)	0036000
(SET (CORENTRY DREEL) RL)	0036100
(SET (CORENTRY CSIZE) SZ)	0036200
(SET (BIT 0 6 (CORENTRY DFCRM)) FM)	0036300
(SET (BIT 0 6 (CORENTRY DUNIT)) UT)	0036400
(SET (CORENTRY DNAME) NM)	0036500
(CODE (LDA (ENTRY DCALL) (RA R)) (BUC (ENTRY DSPCHR)))	0036600
(RETURN (BIT 0 6 (CORENTRY DSTAT))))))	0036700
(EN (SECTION (IO LISP SYS) SYMBOL))	0036800
(FUNCTION (UNLOCK NCVALUE) NIL (PCPOSITION ICURFN KEY.))	0036900
(FUNCTION (UNLOCK NOVALUE) NIL (PCPOSITION CURFN KEY.))	0037000
(FUNCTION ((CPEN . LISP) SYMBOL))	0037100
((FN SYMBCL) (DL SYMBCL))	0037200
(BLOCK NIL (IF (GET FN FILES.) (RETURN (ERROR MSG1))))	0037300
(BLOCK ((IA (ARRAY INTEGER) (CREATE 18 (QUOTE INTEGER) 0)))	0037400
	0037500
	0037600
	0037700
	0037800

(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 OVERFLOW) 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) (CAADDR 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) CUTDISC)	0044500
(SET (FA 5) INDISC)	0044600
T32 (IF (MEMBER (QUOTE OLD) EL) (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 (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) (CADDR 0)) (SET (FA 8) (CADDR 0)))	0046700
(BLOCK NIL (SET (FA 1) ENDIN))	0046800
(SET (FA 3) ENDOUT)	0046900
(SET (FA 7) IUNLOCK) (SET (FA 8) UNLOCK)))	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) (CONS (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 (IC LISP SYS) SYMBOL)	0047900
(FUNCTION ((SHUT . LISP) SYMBOL)	0048000
((A SYMBOL) (B SYMBOL))	0048100
(BLOCK ((X SYMBOL (FILES. . IC)) (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 (CDR Y) (CDR X)) (SET FILES. (CDR FILES.)))	0048800
(IF (EQ A (CURFN . IC)) (OUTPUT (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

(I2C. (CVRTNM (CDR Y))) (I2C. NM)))	0050500
(SET (CORENTRY INSIZE) (I2O. (TIMES 512 (PLUS (I 15) 1))))	0050600
C (SET (CCRE (PLUS 2 W)) (I2C. NM))	0050700
D (CCDE (LCA W) (BUC (ENTRY CSPCHR)))	0050800
(IF (OR (NCT INS) (LQ (CORENTRY INSTAT) 3)) (GO LOG))	0050900
(SET INS FALSE)	0051000
(GO C)	0051100
LOG (IF (SET Y (GET (QUOTE LCG) B)) (LOGTTY 9 (CDR Y))))	0051200
(RETURN (MAPCAR FILES. CAR.))))))	0051300
(IN.CUT (SECTION (I0 LISP SYS) SYMBCL)	0051400
(FUNCTION ((CUTPUT . LISP) SYMBOL)	0051500
((FN SYMBCL))	0051600
(IF (EQN FN CLRNFN)	0051700
FN (BLCK ((DL SYMBCL (GET FN FILES.)))	0051800
(IF (NULL DL) (RETURN (ERROR MSG4)))	0051900
(BLOCK ((IA (ARRAY INTEGER) (CDR (GET (QUOTE ICA) (CDR DL))))	0052000
(FA (ARRAY FUNCTIONAL) (CDR (GET (QUOTE FCA) (CDR DL))))	0052100
(X SYMBCL (GET (QUOTE PROTECT) (CDR DL))) (Y INTEGER))	0052200
(IF (AND X (MEMBER (QUOTE WRITE) (CDR X))) (RETURN NIL))	0052300
(SET BUFLCC (CDR (GET (QUOTE BUF) (CDR DL))))	0052400
(LOCSET LMG (IA 1))	0052500
(LOCSET RMG (IA 2))	0052600
(LOCSET MAXCCL (IA 3))	0052700
(LOCSET TOP (IA 4))	0052800
(LOCSET BCT (IA 5))	0052900
(LOCSET PAGE (IA 6))	0053000
(LOCSET RECORD (IA 7))	0053100
(LOCSET WPL (IA 8))	0053200
(LOCSET CURCCL (IA 9))	0053300
(LOCSET CURLINE (IA 10))	0053400
(LOCSET SUMLINE (IA 11))	0053500
(LOCSET NAME (IA 12))	0053600
(LOCSET STATUS (IA 13))	0053700
(LOCSET SECTR (IA 14))	0053800
(LOCSET MAXSEC (IA 15))	0053900
(LOCSET SIZE (IA 16))	0054000
(LOCSET COUNT (IA 17))	0054100
(LOCSET RMGO (FA 3))	0054200
(LOCSET BOTO (FA 2))	0054300
(LOCSET MOVE (FA 4))	0054400
(LOCSET KEY (FA 8))	0054500
(IF (GR SUMLINE 1) (SET Y (TIMES (PLUS -1 SUMLINE) WPL)))	0054600
(LOCSET LINELOC (BUFLC Y))	0054700
(SET X CLRNFN) (SET CURFN FN) (RETURN X))))))	0054800
(FUNCTION ((INPUT . LISP) SYMBOL)	0054900
((FN SYMBCL))	0055000
(IF (EQN FN ICURFN)	0055100
FN (BLCK ((DL SYMBCL (GET FN FILES.)))	0055200
(IF (NULL DL) (RETURN (ERROR MSG4)))	0055300
(BLOCK ((IA (ARRAY INTEGER) (CDR (GET (QUOTE ICA) (CDR DL))))	0055400
(FA (ARRAY FUNCTIONAL) (CDR (GET (QUOTE FCA) (CDR DL))))	0055500
(SA (ARRAY SYMBOL) (CDR (GET (QUOTE SCA) (CDR DL))))	0055600
(X SYMBCL (GET (QUOTE PROTECT) (CDR DL))) (Y INTEGER))	0055700
(IF (AND X (MEMBER (QUOTE READ) (CDR X))) (RETURN NIL))	0055800
(SET IBUFLCC (CDR (GET (QUOTE BUF) (CDR DL))))	0055900
(LOCSET ILMG (IA 1))	0056000
(LOCSET IRMG (IA 2))	0056100
(LOCSET IMAXCOL (IA 3))	0056200
(LOCSET ITCP (IA 4))	0056300
(LOCSET IBCT (IA 5))	0056400
(LOCSET IPAGE (IA 6))	0056500
(LOCSETIRECCRD (IA 7))	0056600
(LOCSET IWPL (IA 8))	0056700

(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 ICCOUNT (IA 17))	0057600
(LOCSET TTYMAX (IA 18))	0057700
(LOCSET IRNGC (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
(POSITION (SECTION (IC LISP SYS) SYMBOL)	0058700
FUNCTION ((POSITION . LISP) SYMBOL)	0058800
(IF SYMBOL) (A INTEGER))	0058900
BLOCK ((DL 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)) (GC 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 (GC T1)	0060000
(GC T2) (GC T3) (GO T4) (GO T5) (GO T6) (GO T7) (GO T8))	0060100
T1 (SET N 0)	0060200
T2 (BLOCK ((X INTEGER (TIMES IRECORD (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)) (GC 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
(OR S 5)	0061200
(BLOCK NIL (INPUT DL) (RETURN (ERRCR 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 CCOUNT 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 (OUTPUT F)) (SET DL (INPUT F)))	0062400
(SET U F)	0062500
(CASE A (GC E1)	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 (PRINCE (OCT2CH 34Q))	0063400
(ENDCUT)	0063500
(IF (NG ISUMLINE 1) (ENDOUTR))	0063600
(OUTPUT DL)	0063700
(RETURN L)	0063800
D6 (IF (GR ISECTOR 1)	0063900
(BLOCK NIL (SET ISECTOR (PLUS ISECTOR -1)) (GO E8)))	0064000
D5 D7 (SET ICOUNT 100)	0064100
(SET ISECTOR 0)	0064200
D8 (SET ISUMLINE C) (SET ISTATUS 1) (INPUT DL) (RETURN U))))))	0064300
(READF (SECTION (IC LISP SYS) SYMBOL))	0064400
(FUNCTION ((ENDIN . LISP) NOVALUE)	0064500
NIL (BLOCK ((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) (GO 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 (BLOCK NIL (CLEAR ICURFN))	0065800
(SET ISTATUS 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 (BLOCK ((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 (BLOCK ((SW INTEGER 1) (X SYMBOL (OCT2CH 0Q))))	0068300
(IF XXSAVE (BLOCK NIL (SET X XXSAVE) (SET XXSAVE NIL) (GO BB)))	0068400
(EQ ISTATUS 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
(IRMG0) (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) ILINECC 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 (CCNS (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)))	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 (CCNS 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 Q TYPE))	0075000
(ERRCR (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))) C075700
(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))))
  (RETURN (CDR S)) (GO ERR))
  (ERR (RETURN (ERROR (QUOTE (ILLEGAL LIST STRUCTURE)))))) C076300
(SECTION FSM SYMCL) C076400
(FUNCTION (TCKEN INTEGER) NIL) C076500
(DECLARE (FSMSYM SYMBOL CWN) C076600
  (FSMCCT OCTAL CWN) (FSMREL REAL CWN) (SPFLAG BOOLEAN CWN NIL)) C076700
(SECTION (IO LISP FSM SYS) SYMBOL) C076800
(FUNCTION ((READ . IC) SYMBOL) C076900
  NIL (BLCK ((N INTEGER)) C077000
    A (CASE (SET N (TCKEN)) C077100
      (RETURN (MGENID)) C077200
      (RETURN FSMSYM) C077300
      (RETURN FSMCCT) C077400
      (RETURN (C2I. FSMCCT)) C077500
      (RETURN FSMREL) C077600
      (BLOCK ((Y (ARRAY OCTAL) FSMSYM)) C077700
        (BLOCK ((X SYMBOL (READ))) C077800
          (IF (NUMEP X) C077900
            (RETURN (IF (EQ ((GETCHAR . LISP) Y 1) (QUOTE '+)) C078000
              X (MINUS X))) (SET FSMSYM (SCONCS Y FSMSYM)) (GO B2)))
          (RETURN (RELIST)) C078200
        (IF READA (BLCK NIL (SET READA NIL) (RETURN 5)) C078300
          (RETURN (ARREAD))) C078400
        (GO A) C078500
        (GO A) C078600
        (RETURN ((MAKEID . LISP) FSMSYM)) C078700
        (RETURN (MAKIDB)) C078800
        (LABEL MID (BLOCK NIL (SET SPFLAG NIL) C078900
          (RETURN ((MAKID . FSM)))))) C079000
        (GO MID) C079100
        (LABEL GID (RETURN ((GETID . LISP) FSMSYM))) C079200
        (IF (CR READA READL) C079300
          (BLOCK NIL (ERROR (QUOTE (DATA.SEPARATOR READ WITHIN
            S.EXPRESSION))) (GO A)) (GC GID)) (GO B1))
        B1 (IF READL (BLOCK NIL (SET READL NIL) C079600
          (RETURN (PLUS N -1)))) C079700
        B2 (RETURN (ERROR (CCNS FSMSYM (QUOTE (ILLEGAL S.EXPRESSION)))))) C079800
      (FUNCTION ((READ . LISP) SYMBOL) C079900
        NIL (BLCK ((READL BOOLEAN FLUID FALSE)
          (READA BOOLEAN FLUID FALSE)) (RETURN ((READ . IO)))))) C080100
      (PRINTF (SECTION (IO LISP SYS) SYMBOL) C080200
      (FUNCTION ((ENDOLT . LISP) NOVALUE) C080300
        NIL (BLCK ((INDEX INTEGER 0))
          (SET SUMLINE (PLUS SUMLINE 1)) C080400
          (SET STATUS 1) C080500
          (IF (GR SUMLINE RECORD) (BLOCK NIL (ENDOUTR) (GO E1))) C080700
          (SET CURCOL LMG) C080800
          (IF (GR SUMLINE 1) (SET INDEX (TIMES (PLUS -1 SUMLINE) WPL))) C080900
          (LOCSET LINELOC (BUFLOC INDEX)) C081000
          E1 (SET CURLINE (PLUS CURLINE 1)) C081100
          P1 (IF (EQ CURLINE BCT) (BCTO)) C081200
          (IF (GR CURLINE PAGE) (ENDOUTP))) C081300
      (FUNCTION ((ENDOLTR . LISP) NOVALUE) C081400
        NIL (BLCK NIL (MCVE)
          (CLEAR CURFN)
          (SET SUMLINE 1) (SET CURCOL LMG) (LOCSET LINELOC (BUFLOC 0)))) C081700
      (FUNCTION ((ENDOLTP . LISP) NOVALUE) C081800
        NIL (BLCK ((X INTEGER (PLUS TOP PAGE (MINUS CURLINE)))) C081900

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(Y INTEGER 0))                                     0082000
  (FOR Y (STEP 1 1 GR X) (ENDOUT)) T1 (SET CURLINE TCP)))
  (FUNCTION ((PRINSTRING . LISP) SYMBOL)
  ((SS SYMBOL))
  (BLOCK ((X INTEGER (STRINGL SS))
    (Y INTEGER) (Z INTEGER 1) (SA (ARRAY OCTAL) SS))
  (BLOCK ((LMG INTEGER FLUID LOC Z))
    (IF (NULL (PRMODE . SYS))
      (BLOCK NIL (FOR Y (STEP 1 1 GR X)
        (PRINCH ((GETCHAR . LISP) SA Y))) (GO XT)))
    (PRINCH (CCT2CH 43Q)))
  (FOR Y (STEP 1 1 GR X)
    (BLOCK ((Z SYMBOL ((GETCHAR . LISP) SA Y)))
      (IF (OR (EQ Z (QUOTE ''))
        (EQ Z (CCT2CH 43Q)) (EQ Z (CCT2CH 3Q)))
        (PRINCH (QUOTE '')))
      (NCT (NORMSP Z))
      (BLOCK ((CF SYMBOL (NUMSTR (CH2OCT Z))))
        (PRINCH XXCHAR)
        (PRINCH (QUOTE C))
        (BLOCK ((PRMODE BOOLEAN FLUID FALSE)) (PRINSTRING CF))
        (PRINCH XXCLIM) (GO XTFOR)))
      (PRINCH Z)
      (IF (EQ Z (XXCHAR . SYS)) (PRINCH (QUOTE I)) XTFOR))
    T1 (PRINCH (OCT2CH 43Q)) XT (RETURN SS))))
  (FUNCTION ((PRINID . LISP) SYMBOL)
  ((TT SYMBOL))
  (BLOCK NIL (IF (NOT (IDP TT))
    (RETURN NIL)
    (AND (GNMCDE . SYS) (GENIDP TT))
    (BLOCK NIL (PRINCH (XXCHAR . SYS)) (PRINCH (QUOTE G))))
  (IF (NCRMSP TT)
    (BLOCK (((PRMCDE . SYS) BOOLEAN FLUID FALSE))
      (PRINSTRING (TOSTRG TT)) (GO XT))
    (PRMCDE . SYS) (PRINCH (XXCHAR . SYS)))
  T2 (PRINSTRING (TOSTRG TT)) XT (RETURN TT)))
  (RCUTINE (IDNAME SYMBOL)
  ((A SYMBOL))
  (BLOCK NIL X (IF (IDP (SET A (O2S. (BIT 0 18 (CORE (PLUS 1 (S20. A)
    )))))) (RETURN A) (GO X)))
  (FUNCTION ((FVLIST . SYS) SYMBOL) ((S SYMBOL)))
  (FUNCTION ((PRINATOM . LISP) SYMBOL)
  ((TT))
  (BLOCK ((X SYMBOL))
    (IF (IDP TT)
      (BLOCK NIL (PRINID TT) (GO B))
      (ARRAYP TT)
      (BLOCK NIL (PRINARRAY TT) (GO B))
      (STRINGP TT)
      (SET X TT) (NUMBP TT) (SET X (NUMSTR TT)) (GO C))
    A (PRINSTRING X)
    B (RETURN TT)
    C (IF (FCRMLP TT)
      (PRINSTRING (QUOTE (*STRING FCRML ' ))))
      (OR (CWNTP TT) (FLUIDP TT))
      (GO D) (BCCLP TT) (BLOCK NIL (SET X (TOSTRG TT)) (GO A)))
    ERR (SET X (SCCNCS (TOSTRG (QUOTE LA)) (NUMSTR (S20. TT)))) (GO A)
    E (SET X (CCNS (IDNAME TT) (O2S. (BIT 24 18 (CORE (S20. TT))))))
    (PRIN (CCNS X (FVLIST TT))) (GO B)))
  (FUNCTION C2B2S ((X OCTAL)) (INQ X 0))
  (FUNCTION C2F2S ((X OCTAL)) (O2F. X))
  (FUNCTION C2R2S ((X OCTAL)) (O2R. X))

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(FUNCTION C2I2S ((X OCTAL)) (O2I. X)) 0088300
(FUNCTION ARTYPE ((S SYMBOL)) 0088400
  (CASE (PLUS 1 (BIT 42 3 (CORE (S2C. S)))) 0088500
    (QUOTE SYMBCL) 0088600
    (QUOTE BOOLEAN) 0088700
    (QUOTE OCTAL) 0088800
    (QUOTE INTEGER) 0088900
    (QUOTE REAL) 0089000
    (QUOTE FUNCTIONAL) (ERROR (QUOTE (ILLEGAL ARRAY TYPE)))) 0089100
  (FUNCTION PRINSMAR ((X (ARRAY SYMBOL)) (N INTEGER)) 0089200
    (BLOCK ((I INTEGER 1)) 0089300
      (FOR I (STEP I 1 EQ N) 0089400
        (BLOCK ((S SYMBOL (X I))) 0089500
          (PRINCH (QUOTE ' )) 0089600
          (IF (OR (ARRAYP S) (FORMALP S)) (PRINCH (QUOTE ' .))) 0089700
          (PRINO S))) (RETURN X))) 0089800
  (FUNCTION (PRINARRAY . LISP) 0089900
    ((X (ARRAY CCTAL))) 0090000
    (IF (NOT (ARRAYP X)) 0090100
      X (BLOCK ((N INTEGER (ARSIZE (S2C. X))) 0090200
                (TYPE SYMBOL (ARTYPE X))) 0090300
                (PRINCH (QUOTE ' )) 0090400
                (PRINO TYPE) 0090500
                (IF (EQ TYPE (QUOTE SYMBOL)) 0090600
                    (PRINSMAR X N) 0090700
                    (BLOCK ((I INTEGER 1) 0090800
                            (CNV (FUNCTIONAL SYMBOL OCTAL) 0090900
                            (IF (EQ TYPE (QUOTE BOOLEAN)) 0091000
                                C2B2S (EQ TYPE (QUOTE FUNCTIONAL)) 0091100
                                C2F2S (EQ TYPE (QUOTE REAL)) 0091200
                                C2R2S (EQ TYPE (QUOTE INTEGER)) 0091300
                                C2I2S (EQ TYPE (QUOTE OCTAL)) OCT2SYM OCT2SYM))) 0091400
                            (FOR I (STEP I 1 EQ N) 0091500
                              (BLOCK NIL (PRINCH (QUOTE ' )) (PRINO (CNV (X I))))))) 0091600
                            (PRINCH (QUOTE ' )) (RETURN X)))) 0091700
  (FUNCTION ((PRINWORD . LISP) OCTAL) 0091800
    ((X OCTAL)) 0091900
    (BLOCK NIL (IF (EQ 6 WPL) 0092000
      (ERRCR MSG5) 0092100
      (EQ STATUS 4) 0092200
      (KEY)
      (GR SLMLINE RECORD) (ENDOUTR) (EQ SUMLINE 0) (SET SUMLINE 1)) 0092400
      (SET (BUFLCC SLMLINE) X) 0092500
      (SET SLMLINE (PLUS 1 SLMLINE)) (RETURN X))) 0092600
  (FUNCTION ((PRINT . LISP) SYMBOL) 0092700
    ((X SYMBOL)) (BLOCK NIL (PRIN X) (ENDOUT) (RETURN X))) 0092800
  (FUNCTION ((PRINC . LISP) SYMBOL) 0092900
    ((X SYMBOL))
    (BLOCK ((J SYMBOL)) 0093100
      (IF (ATCM X) (GO P4)) 0093200
      (SET J X) 0093300
      (PRINCH (QUOTE '()))
      P1 (PRINO (CAR J)) 0093500
      (IF (NULL (CDR J)) (GO P3)) 0093600
      (PRINCH (QUOTE '()))
      (IF (ATCM (CDR J)) (GO P2)) 0093800
      (SET J (CDR J)) 0093900
      (GO P1)) 0094000
      P2 (PRINCH (QUOTE '.))
      (PRINCH (QUOTE ' )) (PRINATOM (CDR J)) P3 (PRINCH (QUOTE '))) 0094200
      (RETURN X) P4 (PRINATOM X) XT (RETURN X))) 0094300
  (FUNCTION ((SYMPRINT . LISP) SYMBOL) 0094400
    ((X SYMBOL)) (BLOCK NIL (SYMPRIN X) (ENCOUT) (RETURN X))) 0094500

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(FUNCTION ((SYMPRIN . LISP) SYMBOL) 0094600
  ((X SYMBOL)) 0094700
  (BLOCK (((PRMCDE . SYS) BOOLEAN FLUID TRUE)) (RETURN (PRIN X))) 0094800
  (FUNCTION ((PRIN . LISP) SYMBOL) 0094900
    ((X SYMBOL)) 0095000
    (BLOCK (((PRMCDE . SYS) BOOLEAN FLUID FALSE)) 0095100
      (RETURN (PRIN 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 LNG) (LOCSET LINELOC (BUFLOC 0)))) 0095900
        (IF (EQ X (CCT2CH 0G)) (BLOCK NIL (SET SW 2) (ENDOUT))) 0096000
        (IF (EQ CURCCL RMG) (RMG0)) 0096100
        (IF (GR CURCCL MAXCCL) (ENDOUT)) 0096200
        (CASE SW (GC AA) (GC BB)) 0096300
        AA (SETCHAR X LINELOC CURCCL) 0096400
        (SET CURCOL (PLUS CURCOL 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 (OCT2CH 3) LINELOC CURCOL) 0097700
        (T8X12) (MCVEO 19 FIXLOC XT)) 0097800
    (FUNCTION (OLTAPE 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 (PLS 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 (PLS J 2)) 0099000
        (SET I 1) 0099100
        (SET Y (PLS Y WPL)) 0099200
        (GO TO) 0099300
        T2 (IF (LG (MOVEC (TIMES RECODE (PLUS 1 (IQUOTIENT (PLUS MAXCOL -1) 8))) FIXLOC) 3) (GO XT)) (SET STATUS 5) XT)) 0099400
      0099500
    (FUNCTION (OLTDISC NOVALUE) 0099600
      NIL (BLCK ((Y INTEGER 0) (J INTEGER 1) (I INTEGER 1)) 0099700
        (IF (LG SECTR MAXSEC) (GO T1)) 0099800
        (IF (LG (MC MODIFY) 3) (GO T0)) 0099900
        (SET STATUS 4) C100000
        (GO XT) C100100
        TO (SET MAXSEC (PLUS MAXSEC 8)) C100200
        T1 (SETBUF FIXLOC 606060606060606Q1) 0100300
        (SETCHAR (CCT2CH 36G) LINELOC 8G) C100400
        T2 (LOCSET LINELOC (BUFLOC Y)) C100500
        T3 (IF (T8X6 76Q LINELOC FIXLOC J I) (GO T4)) 0100600
        (SET J (PLS J 1)) 0100700
        (SET I (PLUS I 1)) C100800
    )
  )
)

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(IF (LS I 80) (GO T3)) C100900
(IF (T8X6 76Q LINELOC FIXLOC J I) (GO T4)) C101000
(SET I 0) C101100
(T8X6 76Q LINELOC FIXLOC J I) C101200
(SET J (PLUS J 1)) C101300
(SET I 1) C101400
(SET Y (PLUS Y WPL)) C101500
(GO T2) C101600
T4 (SEQNC) C101700
(IF (LG (MCVEQ 512 FIXLOC) 3) (GO T5)) C101800
(SET STATUS 5) (GO XT) T5 (SET SECTOR (PLUS SECTOR 1)) XT)) C101900
(FUNCTION (OUTPAS NOVALUE) C102000
NIL (BLCK ((X INTEGER))) C102100
(LOCSET LINELOC (BUFLOC 0)) C102200
(SET X (MOVEC (TIMES RECORD WPL) LINELOC)) C102300
(IF (LG X 3) (GO XT)) (SET STATLS 5) XT)) C102400
(FUNCTION (OLTDCAS NOVALUE) C102500
NIL (BLCK ((X INTEGER)
(Y INTEGER) (Z INTEGER (TIMES RECORD WPL)))) C102600
(SET Y (IQUOTIENT (PLUS Z -1) 512)) C102700
(IF (LG (PLUS SECTOR Y) MAXSEC) (GO T1)) C102800
(SET X (MODIFY)) C102900
(IF (LG X 3) (GO T0)) C103000
(SET STATUS 4) C103100
(GO XT) C103200
T0 (SET MAXSEC (PLUS MAXSEC 8)) C103300
T1 (LOCSET LINELOC (BUFLOC 0)) C103400
(SET X (MOVEC Z LINELOC)) C103500
(IF (LG X 3) (GO T2)) C103600
(SET STATUS 5) (GO XT) T2 (SET SECTOR (PLUS SECTOR Y 1)) XT)) C103700
(C103800
(FUNCTION (T8X6 BOCLEAN) C103900
((EOR OCTAL)
(SOURCE OCTAL LOC) (SINK OCTAL LCC) (J INTEGER) (I INTEGER)) C104000
(BLOCK ((X CCTAL))
(IF (EQ I C) (BLOCK NIL (SET X 32Q14) (GO AB)))
(SET X (CH2CCT ((GETCHAR . IO) SOURCE I)))
(CODE (BXE (LABEL TECR) A 36Q) (BXE (LABEL TEOF) A 34Q))
(SET X (CNVRTB (PLUS X 1)))
AB (CODE (LDL X L7.C)
T1 (BLG (LABEL T2) ) 3)
(STZ A.)
(RETUR)
T2 (LCA J)
(STZ B.)
(SOR A.)
(LDM A.)
(SFC 3 R)
(ADD SINK RA)
(AOR A. (RA S))
(LDX A. 0 2)
(STZ A.)
(SFC -3 R)
(XEC (LABEL T3) A)
(BUC C 3)
T3 (STL 0 (S7.0 2))
(STL C (S7.1 2)) C104100
(STL C (S7.2 2)) C104200
(STL C (S7.3 2)) C104300
(STL C (S7.4 2)) C104400
(STL C (S7.5 2)) C104500
(STL C (S7.6 2)) C104600
(STL C (S7.7 2)) C104700
TEOF (LDL 77Q (L567.7 R)) C104800
C104900
C105000
C105100
C105200
C105300
C105400
C105500
C105600
C105700
C105800
C105900
C106000
C106100
C106200
C106300
C106400
C106500
C106600
C106700
C106800
C106900
C107000
C107100

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(LDA 80 (L567.7 R))	C107200
(BSX ((LABEL T2) 1) 3 ((LABEL TEOR) 2))	C107300
TEOR (LDL 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 C) (I INTEGER 1) (J INTEGER 1))	C107800
ST (LOCSET LINELOC (BUFLOC Y))	C107900
ST1 (IF (EQ 3 (SET C (PLUS (MINUS CH0)	C108000
(S20. ((GETCHAR . IO) LINELOC I)))) (GO TECM))	C108100
(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 0 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) 3))))	C110600
(MCVEI (ROUTINE (MCVEI INTEGER))	C110700
((S INTEGER) (B OCTAL LOC))	C110800
(BLOCK NIL (CODE (ACR A.) (STF (ENTRY MLOC))))	C110900
(SET (CORENTRY MSIZE) S)	C111000
(SET (CORENTRY MNAME) INAME)	C111100
(SET (CORENTRY MINCUT) (CORENTRY IN))	C111200
(SET (CORENTRY MSECTR) ISECTOR)	C111300
(CODE (LDA (ENTRY MCALL) (RA R)) (BUC (ENTRY DSPCHR)))	C111400
(SET ISIZE (CORENTRY MWDSIN))	C111500
(RETURN (BIT 0 6 (CORENTRY MSTAT))))	C111600
(FUNCTION (INTTY NOVALUE))	C111700
NIL (BLCK NIL (IF (NQ DDSW 0) (ICINI))	C111800
(BLOCK ((X INTEGER (TIMES IRECCRD (PLUS 1 (IQUOTIENT (PLUS	C111900
IMAXCCL -1) 4))))	C112000
(CODE (LDA (ENTRY BELL) (R L567.7))	C112100
(BUC (ENTRY DSPCHR)) (STX (DDSW . IO) 0 8))	C112200
(MOVEI X FIXLOC) (SET DDSW 0) (SET TTYPMAX (T12X8))))	C112300
(FUNCTION (INTAPE NOVALUE))	C112400
NIL (BLCK ((X INTEGER (TIMES IRECORD (PLUS 1 (IQUOTIENT (PLUS	C112500
IMAXCCL -1) 8))))	C112600
(IF (LQ (SET X (PLUS -1 (MOVEI X FIXLOC))) 2)	C112700
(T6X8 IMAXCCL TRANTP) (SET ISTATUS X))))	C112800
(FUNCTION (INDISC NOVALUE))	C112900
NIL (BLCK ((X INTEGER))	C113000
TO (IF (LQ ISECTOR IMAXSEC) (GO T1))	C113100
(SET ISTATUS 4)	C113200
(GO XT)	C113300
T1 (SET X (MCVEI 512 FIXLOC))	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 (BLOCK ((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 (BLOCK ((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 ILINELCC (IBUFLOC 0)) 0115100
 (SET X (MOVEI Z ILINELCC)) 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 (BLOCK ((Y INTEGER 1)) 0115600
 (B6 INTEGER) 0115700
 (I INTEGER 48) 0115800
 (OCT CCTAL) 0115900
 (L INTEGER) 0116000
 (CH OCTAL 0) 0116100
 (S INTEGER 1) 0116200
 (SC (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 (WCRDAND 177Q (BIT I 12 (SC S)))) 0117000
 (IF (EQ CH 3G) 0117100
 (IF (EQ Y 1) (GO B) (GO B0))
 (LS (SET B6 (PLUS B6 -8)) 0) 0117200
 (BLOCK NIL (SET (IBUFLOC L) OCT)
 (SET L (PLUS L 1)) (SET B6 40) (SET CCT 0))) 0117300
 (SET L (PLUS L 1)) (SET B6 40) (SET CCT 0))) 0117400
 (BITSET B6 8 OCT (BIT 0 12 (CNVRTB (PLUS CH 1)))) 0117500
 (BITSET B6 8 OCT (BIT 0 12 (CNVRTB (PLUS CH 1)))) 0117600
 TO (SET J (PLUS J 1)) 0117700
 (IF (LQ J IMAXCCL) (GO ST1)) 0117800
 (SET Y (PLUS Y IWPL)) 0117900
 (SET (IBUFLCC 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 0) 0119000
 (S INTEGER 1) 0119100
 (SC (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)))) C119800
(CASE (WHAT (SET CH (BIT I 6 (SC S))) J) (GO TO) (GO B) NIL) C119900
  CNV (IF (LS (SET B6 (PLUS B6 -8)) 0) C120000
    (BLOCK NIL (SET (IBUFLOC L) OCT) C120100
      (SET L (PLUS L 1)) (SET B6 42) (SET OCT 0))) C120200
    (BITSET B6 8 OCT (BIT 12 12 (CNVRTB (PLUS CH 1)))) C120300
    TO (SET J (PLUS J 1)) C120400
    (IF (LG J CCL) (GO ST1)) C120500
    (SET Y (PLUS Y IWPL)) C120600
    (SET (IBUFLCC L) OCT) C120700
    (GO ST) C120800
  B (SET (IBUFLCC L) OCT) (SET (IBUFLCC (PLUS Y IWPL) 74Q13))) C120900
  (RCUTINE (T75 BOCLEAN) C121000
    NIL (EQ 75Q (BIT 0 6 (CCRE (PLUS 10 (ENTRY FIXBUF))))))) C121100
  (ALX (SECTION (LISP SYS) SYMBOL) C121200
    (FUNCTION DEVTYPE (FILE) C121300
      (IF (SET FILE (GET FILE (FILES. . IC))) C121400
        (CDR (GET (QUOTE UNIT) FILE)) NIL)) C121500
    (SECTION (IO LISP SYS) SYMBOL) C121600
    (RCUTINE ((CLEAR . LISP) NOVALUE) C121700
      ((FN SYMBOL)) C121800
      (BLOCK ((DL SYMCL (GET FN FILES.)) (BB (ARRAY OCTAL))) C121900
        (IF (NULL DL) (GO XT)) C122000
        (SET BE (CDR (GET (QUOTE BUF) (CDR DL)))) C122100
        TO (SETBUF (BB 0) 0) XT)) C122200
    (FUNCTION (SEQNO NOVALUE) C122300
      NIL (BLOCK ((C INTEGER COUNT) C122400
        (L INTEGER 10) (N INTEGER) (S INTEGER (PLUS -1 SUMLINE))) C122500
        (FOR N (STEP 1 1 GR S) C122600
          (BLOCK ((Z INTEGER (CVRTNM C))) C122700
            (IF (LS C 1000) C122800
              (SET Z (BIT 30 18 Z)) C122900
              (LS C 10000) (SET Z (BIT 24 24 Z)) (SET Z (BIT 18 30 Z))) C123000
              (SET (BIT 6 42 (BUFIX L)) Z) C123100
              (SET L (PLUS L 10)) (SET C (PLUS C 100)))) C123200
            (SET (BIT 24 24 (BUFIX 511)) COUNT) C123300
            (SET (BIT C 24 (BUFIX 511)) (PLUS C -100)) C123400
            (SET (BIT 24 24 (BUFIX 512)) S) C123500
            (SET (BIT C 24 (BUFIX 512)) RECCRD) (SET COUNT C))) C123600
          (RCUTINE ((GET . LISP) SYMBOL) C123700
            ((AA SYMBCL) (X SYMBCL)) C123800
            (BLOCK ((Y SYMBCL)) C123900
              G1 (IF (NULL X) (RETURN NIL)) C124000
              (SET Y (CAR X)) C124100
              (IF (ATOM Y) (GO G2) (EQN (CAR Y) AA) (RETURN Y)) C124200
              G2 (SET X (CDR X)) (GO G1))) C124300
          (FUNCTION (CVRTNM INTEGER) C124400
            ((FN SYMBOL)) C124500
            (BLOCK ((ST (ARRAY OCTAL) (TOSTRE FN))) C124600
              (RETURN (CVRTN1 (ST .) 1)))) C124700
          (FUNCTION (CHSUPL SYMBOL) C124800
            NIL (BLOCK ((X SYMBCL)) C124900
              A (IF (NQ (S20. (SET X (READCH))) (CHO . SYS)) C125000
                (RETURN X) C125100
                (RETURN (CCT2CH (CASE ISTATUS 37Q 36Q 34Q 31Q 0Q))))))) C125200
          (FUNCTION (TTYSPL SYMBOL) C125300
            NIL (BLOCK ((X SYMBCL)) C125400
              A (IF (NQ (S20. (SET X (READCH))) (CHO . SYS)) C125500
                (RETURN X) C125600
                (GQ ICURCCL TTYMAX) C125700
                (BLOCK NIL (ENDIN) (GC A)) C125800
                (RETURN (CCT2CH (CASE ISTATUS 37Q 36Q 34Q 31Q 0Q))))))) C125900
          (RCUTINE ((GETCHAR . LISP) SYMBOL) C126000

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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.))
  (LDM A.))
  (MUL 1 (R L7))
  (DVD 6 (R L7))
  (ADD SS RA)
  (AOR A. (RA S))
  (LDA C A)
  (TST B. 7C04Q3)
  (BSX (LABEL G1) 1 -8)
  (BSX (LABEL G1) 1 -16)
  (BSX (LABEL G1) 1 -24)
  (BSX (LABEL G1) 1 16)
  (BSX (LABEL G1) 1 8)
  (BSX (LABEL G1) 1 0)
G1 (CYA 0 (R 1))
  (ANA (NUMBER 377Q)) (ADD (CHO . SYS) RA) (RETURN)))           0127800
(RCUTINE ((SETCHAR . IO) SYMBOL)                                         0128000
((CH SYMBOL) (SS OCTAL LOC) (CC INTEGER))                           0128100
(BLOCK NIL (CCDE (SCR A.))
  (LDM A.))
  (MUL 1 (R L7))
  (DVD 6 (R L7))
  (ADD SS RA)
  (AOR A. (RA S))
  (LDX A. 0 2)
  (TST B. 7C04Q3)
  (BSX (LABEL S1) 1 8)
  (BSX (LABEL S1) 1 16)
  (BSX (LABEL S1) 1 24)
  (BSX (LABEL S1) 1 -16)
  (BSX (LABEL S1) 1 -8)
  (BSX (LABEL S1) 1 0)
S1 (LCB 377Q (RA R))
  (LDA CH RA)
  (SUB (CHO . SYS) (RA S))
  (LDM A.)
  (CYA C (R 1))
  (CYB C (R 1)) (CON 0 (624Q4 2)) (LDA CH RA) (RETURN)))        0130100
(RCUTINE (CVRTN) INTEGER)                                              0130200
((S OCTAL LCC) (I INTEGER))                                         0130300
(BLOCK NIL (CCDE (STZ PUSHA.))
  TO (ARGS)
  (LDA S)
  (STF PUSHP.)
  (LDA I RA)
  (CALL (GETCHAR . IO))
  (SUB (CHO . SYS) (RA S))
  (ADD 1 (R L567.7))
  (ADD (CNVRTB . IO) L567.7)
  (LDA C (L7.0 A))
  (ADD TCP.)
  (CYA -6 R)
  (STF TOP.)
  (AOR I RA) (BXL (LABEL TO) A 8) (LDA TOP.) (RETURN)))           0131700
(RCUTINE ((SETBUF . IO) NOVALUE)                                         0131800
((SINK CCTAL LCC) (K OCTAL))                                         0131900
(BLOCK NIL (CCDE (LDI 4 (R 7Q6)))
  (LDX SINK C 2)
  (LDX SINK (I L) 4)
  (BAX (D. 2) 4 -1) (STF 1 (2 D)) (BPX (D. -1) 4 1)))           0132300

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```

(ROUTINE (INCMOV 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 OCTAL (BIT 18 6 (CCRE (PLUS 1 (S20. A)))))) 0134100
(Y OCTAL (CCRE (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 (INQ J 8C) 0134900
3 (OR (EQ CH 32Q) (LS CH 76Q)) 0135000
1 (EQ CH 76Q) 0135100
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
.RETTYP (SECTION (IO LISP SYS) SYMBOL)
(FUNCTION ((FITATOM . LISP) SYMBOL)
((T SYMBOL)) 0135600
(BLOCK ((L INTEGER)) 0135700
(IF (OR (ARRAYP T) (FLUIDP T) (CWNTP T) (FORMALP T)) (GO EO)) 0135900
(SET L (STRINGL (TOSTRG T)))) 0136000
(IF (LG (PLUS CURCOL L 2) (IF (GR RMG MAXCCL) MAXCCL RMG)) 0136100
(GO RET)) EO (ENDOUT) RET (RETURN (PRINATOM T))) 0136200
(FUNCTION (B1 SYMBOL) 0136300
((S SYMBOL)) 0136400
(BLOCK NIL (IF (GR CURCCL LMG) (ENDOUT)) 0136500
(PRINCH (QUOTE '()))
(FITATOM (CAR S)) 0136700
(PRINCH (QUOTE ')))
(BLOCK ((Z INTEGER (DIFFERENCE CURCOL LMG)) 0136900
(LM INTEGER CURCCL) (E SYMBOL))
(BLOCK ((LMG INTEGER FLUID LCC LM)) 0137000
(FOR E (IN (CDR S)) 0137100
(BLOCK NIL (IF (IDP E) 0137200
(BLOCK NIL (ENDOUT) 0137300
(SET CURCOL (PLUS LMG (MINUS Z)))) 0137400
(FITATOM E) (PRINCH (QUOTE '))))
(BLOCK NIL (IF (GR CURCOL LMG) (ENDOUT) (SET CURCOL LMG)) 0137500
(F1 E)))))) (PRINCH (QUOTE ')) (RETURN S))) 0137600
(DECLARE (L1 SYMBOL FLUID (QUOTE (IF FOR AND OR FUNCTION ROUTINE 0137700
SECTION MACRO))) 0137800
(L2 SYMBOL FLUID (QUOTE (BLOCK DECLARE CODE))) 0137900
0138000
(INDENT INTEGER OWN 40)) 0138100
(0138200
(FUNCTION (F1 SYMBOL) 0138300
((S SYMBOL)) 0138400
(BLOCK ((Z INTEGER (IF (GR LMG INDENT) 7 (PLUS LMG 1)))) 0138500
(BLOCK ((LMG INTEGER FLUID LOC Z)) 0138600

```

```

(IF (ATCM S)
  (RETURN (FITATOM S))
  (ATOM (CCR S))
  (GO T1)
  (MEMBER (CAR S) L2)
  (RETURN (B1 S))
  (AND (MEMBER (CAR S) L1) (GR CURCOL LMG))
  (ENDOUT) (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 (CCR J)) T13 (PRINCH (QUOTE ')))
  (RETURN S))
T2 (IF (GR CURCOL LMG) (ENDOUT))
  (PRINCH (QUOTE '()))
  (FITATCM (CAR S))
  (PRINCH (QUOTE ' ))
  (BLOCK ((LM INTEGER CURCOL))
    (BLOCK ((LMG INTEGER FLUID LOC LM))
      (B1 (CADR S))
      (ENDOUT) (F1 (CADDR S)) (ENDOUT) (F1 (CADDR S))))
    (PRINCH (QUOTE '))) (RETURN S)))
  (FUNCTION ((PRETTYP . LISP) SYMBOL)
  ((S SYMBOL))
  (BLOCK ((ZZ INTEGER 1))
    (BLOCK ((LNG INTEGER FLUID LOC ZZ))
      (IF (ATCM S) (FITATCM S) (F1 S)) (ENDOUT) (RETURN S))))
  ****END OF FILE DETECTED

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```

(FSMDEC (SECTION IC SYMBOL)
(DECLARE (XXFUNC (FUNCTIONAL SYMBOL) FLUID LCC)
(XXSAVE SYMBOL FLUID LCC))
(SECTION SYS SYMBOL)
(DECLARE (CHC OCTAL CWN) (XXCHAR SYMBOL OWN)) C000500
(SECTION (FSM SYS) SYMBOL) C000600
(DECLARE (FSCHAR SYMBOL CWN) C000700
(FSMSYM SYMBOL CWN) C000800
(FSMOCT OCTAL OWN) C000900
(FSMREL REAL CWN) C001000
(FSNUL BCLEAN CWN FALSE) C001100
(CHARRAY (ARRAY OCTAL) C001200
CWN (QUOTE (*OCTAL 5065064000007Q 5065071000007Q 5065071000007Q C001300
 3065073312004Q 5065071000007Q 5065071000007Q 5065071000007Q C001400
 5065071000007Q 5065071000007Q 5065071000007Q 5065071000007Q C001500
 5065071000007Q 5065071000007Q 3065073312004Q 5065071000007Q C001600
 5065071000007Q 5065071000007Q 5065071000007Q 5065071000007Q C001700
 5065071000007Q 5065071000007Q 5065071000007Q 5065071000007Q C001800
 5065071000007Q 5065071000007Q 5065071020004Q 5065071000007Q C001900
 5065071000007Q 5065071020004Q 5065071000007Q 306507331204Q C002000
 3065073312004Q 206507210001Q1 5065071000007Q 5065071000007Q C002100
 5065072400006Q 5065072117004Q 5065071000005Q 5065071000007Q C002200
 5065072217004Q 5065072107004Q 5065072122004Q 5065072100111Q C002300
 5075072100012Q 5065072117004Q 5075072100012Q 5054132100113Q C002400
 5065072100011Q 5012112100102Q 5012112100102Q 5012112100102Q C002500
 5012112100102Q 5012112100102Q 5012112100102Q 5012112100102Q C002600
 5012112100102Q 5023122100103Q 5023122100103Q 5065072100111Q C002700
 3065073117004Q 5065072100011Q 5065072100011Q 5065072100011Q C002800
 5065071000007Q 5065071000007Q 5105072100101Q 5105072100101Q C002900
 4105072100101Q 5105072100101Q 50335052100101Q 5105072100101Q C003000
 5105072100101Q 5105072100101Q 1105072100101Q 5105072100101Q C003100
 5105072100101Q 5105072100101Q 5105072100101Q 5105072100101Q C003200
 5105072100101Q 5105072100101Q 5341042100101Q 5105072100101Q C003300
 5105072100101Q 5105072100101Q 5105072100101Q 5105072100101Q C003400
 5105072100101Q 5105072100101Q 5105072100101Q 5105072100101Q C003500
 5065072110004Q 5065072100011Q 5065072123004Q 5065072100111Q C003600
 5065072100011Q 5065071000007Q 5065071000007Q 5065071000007Q C003700
 5065071000007Q 5065071000007Q 5065071000007Q 5065071000007Q C003800
 5065071000007Q 5065071000007Q 5065071000007Q 5065071000007Q C003900
 5065071000007Q 5065071000007Q 5065071000007Q 5065071000007Q C004000
 5065071000007Q 5065071000007Q 5065071000007Q 5065071000007Q C004100
 5065071000007Q 5065071000007Q 5065071000007Q 5065071000007Q C004200
 5065071000007Q 5065071000007Q 5065071000007Q 5065071000007Q C004300
 5065071000007Q 5065071000007Q 5065071000007Q 5065071000007Q C004400
 5065071000007Q )) (CARCDR BOOLEAN OWN)) C004500
MACRO01 (((STRSP (LAMBDA (A) (QUOTE 2))))
(UNSOCT (LAMBDA (A) (QUOTE 3))) C004600
(UNSINT (LAMBDA (A) (QUOTE 4))) C004700
(UNSREL (LAMBDA (A) (QUOTE 5))) C004800
(STRNM (LAMBDA (A) (QUOTE 11))) C004900
(LITRL (LAMBDA (A) (QUOTE 12))) C005000
(DLITRL (LAMBDA (A) (QUOTE 13))) C005100
(GENSP (LAMBDA (A) (QUOTE 11))) C005200
(CPTRR (LAMBDA (A) (QUOTE 14))) C005300
(UMARK (LAMBDA (A) (QUOTE 15))) C005400
(SIGN (LAMBDA (A) (QUOTE 6))) C005500
(DOT (LAMBDA (A) (QUOTE 17))) C005600
(LPAR (LAMBDA (A) (QUOTE 7))) C005700
(RPAR (LAMBDA (A) (QUOTE 18))) C005800
(LBRAC (LAMBDA (A) (QUOTE 8))) C005900
(RBRAC (LAMBDA (A) (QUOTE 19))) C006000
(DATSEP (LAMBDA (A) (QUOTE 16))) C006100
(UNREC (LAMBDA (A) (QUOTE 20))) C006200

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(REMARK (LAMBDA (A) (QUOTE 9)))	C006400
(SPACER (LAMBDA (A) (QUOTE 10)))	C006500
(F1 (LAMBDA (A) (LIST (QUOTE BIT) 0 6 (CADR A))))	C006600
(F2 (LAMBDA (A) (LIST (QUOTE BIT) 6 3 (CADR A))))	C006700
(F3 (LAMBDA (A) (LIST (QUOTE BIT) 9 6 (CADR A))))	C006800
(F4 (LAMBDA (A) (LIST (QUOTE BIT) 15 3 (CADR A))))	C006900
(F5 (LAMBDA (A) (LIST (QUOTE BIT) 18 3 (CADR A))))	C007000
(F6 (LAMBDA (A) (LIST (QUOTE BIT) 21 3 (CADR A))))	C007100
(F7 (LAMBDA (A) (LIST (QUOTE BIT) 24 3 (CADR A))))	C007200
(F8 (LAMBDA (A) (LIST (QUOTE BIT) 27 3 (CADR A))))	C007300
(F9 (LAMBDA (A) (LIST (QUOTE BIT) 30 6 (CADR A))))	C007400
(F10 (LAMBDA (A) (LIST (QUOTE BIT) 36 3 (CADR A)))))	C007500
(FUNCTION (MAKEST SYMBOL) NIL))	C007600
(CHREAD (FUNCTION (CHREAD NOVALUE)	C007700
NIL (BLOCK NIL A1 (SET FSCHAR ((XXFUNC . IO))))	C007800
A14 (IF (EQ FSCHAR ((OCT2CH . LISP) 0Q))	C007900
(LABEL A15 (IF FSNUl (RETURN NIL) (GO A1)))	C008000
(BLOCK NIL (IF (NOT FSCHAR (XXCHAR . SYS)) (RETURN NIL)))	C008100
A2 (CHREAD)	C008200
(CASE (F10 (CHARRAY (PLUS 1 (S20. FSCHAR)	C008300
(MINUS (CHO . SYS))))	C008400
(GC E1) (GO E2) (GC B3) (GC E4) (GO B1))	C008500
E1 (SET FSCHAR (XXCHAR . SYS))	C008600
(RETURN NIL)	C008700
E2 (CHREAD)	C008800
(CASE (F5 (CHARRAY (PLUS 1 (S2C. FSCHAR)	C008900
(MINUS (CHO . SYS)))) (GC B1) (GO E2) (GC B3) (GO E2))	C009000
B1 (SET FSCHAR ((CCT2CH . LISP) 25Q))	C009100
(RETURN NIL)	C009200
B3 (SET FSCHAR ((CCT2CH . LISP) 0Q))	C009300
(GO A15)	C009400
E4 (BLOCK ((C OCTAL 0Q)	C009500
(E INTEGER 0) (I INTEGER 0) (S INTEGER 1))	C009600
C0 (CHREAD)	C009700
(CASE (F6 (CHARRAY (PLUS 1 (S20. FSCHAR)	C009800
(MINUS (CHO . SYS))))	C009900
(GC C1) (GC C2) (GC C3) (GO C4) (GO C5) (GO C6) (GO CE))	C010000
C1 (CASE S (GO C1S1)	C010100
(GC C1S2) (GO C1S3) (GO C1S4) (GO C1S3))	C010200
C1S1 (SET S 2)	C010300
C1S2 (SET O (WORCCR (SHIFT C 3)	C010400
(DIFFERENCE (S2C. FSCHAR) (S2C. (QUOTE '0))))))	C010500
C1S4 (SET I (PLUS (TIMES 10 I)	C010600
(DIFFERENCE (S2C. FSCHAR) (S2C. (QUOTE '0))))))	C010700
(GO C0)	C010800
C1S3 (SET E (PLUS (TIMES 10 E)	C010900
(DIFFERENCE (S2C. FSCHAR) (S2C. (QUOTE '0))))))	C011000
(GO C0)	C011100
C2 (CASE S (GO C2S1)	C011200
(GC C2S1) (GC C1S3) (GO C1S4) (GO C1S3))	C011300
C2S1 (SET S 4)	C011400
(GC C1S4)	C011500
C3 (CASE S (GO CE) (GO C3S2) (GC C3S3) (GO C3S2))	C011600
CE (SET FSCHAR ((CCT2CH . LISP) 25Q))	C011700
(RETURN NIL)	C011800
C3S2 (SET C I)	C011900
C3S2A (IF (EQ E C) (GO CR))	C012000
(SET E (PLUS E -1))	C012100
(SET C (TIMES 10 C))	C012200
(GC C3S2A)	C012300
C3S3 (SET O (SHIFT C (TIMES 3 E)))	C012400
CR (IF (AND (LQ O 0) (LQ O 177Q))	C012500
(SET FSCHAR ((CCT2CH . LISP) 0)))	C012600

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        (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 C0)                                      0013100
        C5 (CASE S (GO CE) (GO C5S2) (GO CE) (GO C5S2) (GO CE)) 0013200
        C5S2 (SET S 5) (GO C0)))))))                0013300
(STSP (FUNCTION (STSP BCLEAN)
    NIL (BLCK ((I INTEGER)))
    S0 (CHREAD)
    (SET I (CHARRAY (PLUS 1 (CHEAT SYMBOL INTEGER FSCHAR)
        (MINUS (CHEAT OCTAL INTEGER (CHO . SYS)))))))
    (CASE (PLUS 1 (F4 I))
        (GO S1) (GO S4) (GO S3) (GO SC) (GO S5))
    S1 (MAKEST)
    (SET (XXSAVE . IO) FSCHAR)
    (SET FSCHAR NIL)
    (SET FSMSYM (MAKEST))
    (RETURN FALSE)
    S3 (SET FSNUL TRUE)
    (CHREAD)
    (SET FSNUL FALSE)
    S4 (MAKEST)
    (GO SC) S5 (SET FSCHAR NIL) (SET FSMSYM (MAKEST)) (RETURN TRUE)))) 0013400
(LTRL (FUNCTION (LTRL NCVALUE)
    NIL (BLCK ((P INTEGER 1)))
    F1 (MAKEST)
    (CASE P (GO P1) (GO P2) (GO P3) (GO P4) (GO P5))
    P1 (IF (EQ FSCHAR (QUOTE 'C)) (SET P 2) (SET P 5))
    (GO P5)
    P2 (IF (CR (EQ FSCHAR (QUOTE 'A)) (EQ FSCHAR (QUOTE 'D)))
        (SET P 3) (SET P 5))
    (GO P5)
    P3 (IF (EQ FSCHAR (QUOTE 'R))
        (BLOCK NIL (SET P 4) (GO P5)) (GO P2))
    P4 (SET P 5)
    P5 (CHREAD)
    (IF (EQ F2 (CHARRAY (PLUS 1 (CHEAT SYMBOL INTEGER FSCHAR)
        (MINUS (CHEAT OCTAL INTEGER (CHO . SYS))))))) 1) (GO F1))
    (SET (XXSAVE . IO) FSCHAR)
    (SET FSCHAR NIL)
    (SET FSMSYM (MAKEST)) (SET CARCER (EQ P 4)) (RETURN NIL)))) 0015000
(CPER1 (FUNCTION (CPER1 NOVALUE)
    NIL (BLCK NIL F1 (MAKEST)
    (CHREAD)
    (IF (EQ F1 (CHARRAY (PLUS 1 (CHEAT SYMBOL INTEGER FSCHAR)
        (MINUS (CHEAT OCTAL INTEGER (CHO . SYS))))))) 9) (GO F1))
    (SET (XXSAVE . IO) FSCHAR)
    (SET FSCHAR NIL) (SET FSMSYM (MAKEST)) (RETURN NIL)))) 0016800
(CPER2 (FUNCTION (CPER2 INTEGER)
    NIL (BLCK NIL (MAKEST)
    (CHREAD)
    (SET (XXSAVE . IO) FSCHAR)
    (SET FSCHAR NIL)
    (SET FSMSYM (MAKEST))
    (CASE (PLUS 1 (F7 (CHARRAY (PLUS 1 (CHEAT SYMBOL INTEGER (XXSAVE
        . IO)) (MINUS (CHEAT OCTAL INTEGER (CHO . SYS))))))))
        (RETURN (CPRTR)) (RETURN (SIGN))))))) 0017600
(CCTL (FUNCTION (CCTL BCLEAN)
    NIL (BLCK ((I INTEGER)))
    (CHREAD)
    (MAKEST)
    (IF (AND (NG (SET I (F1 (CHARRAY (PLUS (CHEAT SYMBOL INTEGER
        . IO)) (MINUS (CHEAT OCTAL INTEGER (CHO . SYS))))))) (RETURN (CPRTR)) (RETURN (SIGN))))))) 0018500
    (CCTL (FUNCTION (CCTL BCLEAN)
        NIL (BLCK ((I INTEGER)))
        (CHREAD)
        (MAKEST)
        (IF (AND (NG (SET I (F1 (CHARRAY (PLUS (CHEAT SYMBOL INTEGER
            . IO)) (MINUS (CHEAT OCTAL INTEGER (CHO . SYS))))))) (RETURN (CPRTR)) (RETURN (SIGN))))))) 0018600
        (CCTL (FUNCTION (CCTL BCLEAN)
            NIL (BLCK ((I INTEGER)))
            (CHREAD)
            (MAKEST)
            (IF (AND (NG (SET I (F1 (CHARRAY (PLUS (CHEAT SYMBOL INTEGER
                . IO)) (MINUS (CHEAT OCTAL INTEGER (CHO . SYS))))))) (RETURN (CPRTR)) (RETURN (SIGN))))))) 0018700
            (CCTL (FUNCTION (CCTL BCLEAN)
                NIL (BLCK ((I INTEGER)))
                (CHREAD)
                (MAKEST)
                (IF (AND (NG (SET I (F1 (CHARRAY (PLUS (CHEAT SYMBOL INTEGER
                    . IO)) (MINUS (CHEAT OCTAL INTEGER (CHO . SYS))))))) (RETURN (CPRTR)) (RETURN (SIGN))))))) 0018800
                (CCTL (FUNCTION (CCTL BCLEAN)
                    NIL (BLCK ((I INTEGER)))
                    (CHREAD)
                    (MAKEST)
                    (IF (AND (NG (SET I (F1 (CHARRAY (PLUS (CHEAT SYMBOL INTEGER
                        . IO)) (MINUS (CHEAT OCTAL INTEGER (CHO . SYS))))))) (RETURN (CPRTR)) (RETURN (SIGN))))))) 0018900

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

(GO I1S2)	0025300
I3 (MAKEST)	0025400
(CASE S (GC I3S1) (GU I3S1) (GC U) (GU 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) (GC U))	0026500
I4S1 (SET S 4)	0026600
(GO I3S1A)	0026700
I5 (MAKEST)	0026800
(CASE S (GC I5S1) (GU I5S1) (GC 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 CFIN) (GO RFIN) (GC AU) (GO RFINE) (GO AL))	0027500
I7 (CASE S (GO IFIN))	0027600
(GO IFIN)	0027700
(GO IFINE) (GC CFIN) (GO RFIN) (GC I7S6) (GU 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

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  (RETURN (F3 I))                                0031600
  C5 (CHREAD)                                    0031700
  (IF (NG FSCHAR (QUOTE 'R)) (GO C5A))          0031800
  C5R (CHREAD)
  (CASE (F5 (CHARRAY (PLUS 1 (S2C. FSCHAR) (MINUS (CHO . SYS)))))) 0032000
    (GO C5R1) (GO C5R2) (GO C5R3) (GO C5R))
  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))))
  C5B (IF (NG FSCHAR (QUOTE 'G)) (GO C5C))      0033100
  (CHREAD)
  (CASE (F1 (CHARRAY (PLUS 1 (CHEAT SYMBOL INTEGER FSCHAR)
    (MINUS (CHEAT OCTAL INTEGER (CHO . SYS)))))) 0033300
    (GO C51)
    (GO C52)
    (GO C52)
    (GO C52)
    (GO C55)
    (GO C52) (GO C52) (GO C52) (GO C59) (GO C510) (GO C511)
  C51 (LTRL)                                     0033400
  (RETURN (GENSP))                               0033500
  C52 (SET (XXSAVE . IO) FSCHAR)                0033600
  (GO C7)                                         0033700
  C55 (IF (STSP) (RETURN (GENSP)) (RETURN (UNREC))) 0033800
  C59 (OPER1)                                    0033900
  (RETURN (GENSP))                               0034000
  C510 (IF (EQ (CPER2) (CPRTR))
    (RETURN (GENSP)) (RETURN (UNREC)))
  C511 (MAKEST)                                 0034100
  (IF (DCTL) (RETURN (GENSP)) (RETURN (UNREC))) 0034200
  C5C (IF (NG FSCHAR (QUOTE 'H)) (GO C5R1))
  (SET FSMCCT 0)                                0034300
  C5CG (CHREAD)
  (SET I (DIFFERENCE (S2C. FSCHAR) CHO))        0034400
  (IF (AND (GQ I 6Q1) (LQ I 71Q))
    (SET I (PLUS I 7777777777777717Q)) (GO C5C2))
  C5C1 (SET FSMOCT (PLUS (SHIFT FSMOCT 4) I))   0034500
  (MAKEST)                                       0034600
  (GO C5CG)                                     0034700
  C5C2 (IF (AND (GQ I 101Q) (LQ I 106Q))
    (BLOCK NIL (SET I (PLUS I 777777777777771Q1)) (GO C5C1))
    (BLOCK NIL (SET I (UNSOCT)) (GO NRET)))
  C6 (IF (STSP) (RETURN (STRSP)) (RETURN (UNREC))) 0034800
  C7 (MAKEST)                                   0034900
  (SET FSCHAR NIL)                             0035000
  (SET FSMSYM (MAKEST))                        0035100
  (RETURN (UNREC))                            0035200
  C5C1 (SET FSMOCT (PLUS (SHIFT FSMOCT 4) I))   0035300
  (MAKEST)                                       0035400
  (GO C5CG)                                     0035500
  C5C2 (IF (AND (GQ I 101Q) (LQ I 106Q))
    (BLOCK NIL (SET I (PLUS I 777777777777771Q1)) (GO C5C1))
    (BLOCK NIL (SET I (UNSOCT)) (GO NRET)))
  C6 (IF (STSP) (RETURN (STRSP)) (RETURN (UNREC))) 0035600
  C7 (MAKEST)                                   0035700
  (SET FSCHAR NIL)                             0035800
  (SET FSMSYM (MAKEST))                        0035900
  (RETURN (UNREC))                            0036000
  C5C1 (SET FSMOCT (PLUS (SHIFT FSMOCT 4) I))   0036100
  (MAKEST)                                       0036200
  (GO C5CG)                                     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)
  (IF (EQ FSCHAR (QUOTE ' ))
    (BLOCK NIL (SET FSMCCT (PLUS FSMCCT 1)) (GO C81)))
  (SET (XXSAVE . IO) FSCHAR)                  0037100
  (RETURN (SPACER))
  C9 (OPER1)                                    0037200
  (RETURN (OPRTR))                           0037300
  C10 (RETURN (OPER2))                        0037400
  (RETURN (SPACER))                           0037500
  C9 (OPER1)                                    0037600
  (RETURN (OPRTR))                           0037700
  C10 (RETURN (OPER2))                        0037800

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C11 (MAKEST)	0037900
(CHREAD)	0038000
(SET (XXSAVE . ID) 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 (DCT)))	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

(CLMYS (SECTION SYS SYMBOL))	000100
(DECLARE ((PDBLF . GC) OCTAL OWN 100))	000200
((PDADD . GC) OCTAL CWN 0) ((BPMIN . GC) OCTAL OWN 0))	000300
(DECLARE ((BACTRC . LISP) SYMBOL FREE))	000400
((PRNERR . LISP) BCOLEAN FREE TRUE)	000500
((INTERACT . LISP) BCOLEAN FLUID)	000600
((SIGNON . LISP)	000700
SYMBOL OWN (QUOTE (*STRING 'L 'I 'S 'P '2 ' 'N 'E 'W ' 'C 'I 'G))	000800
)) ((MSGFILE . SUPV) SYMBOL OWN (QUOTE (OTTY))))	000900
(DECLARE ((FSCHAR . FSM) SYMBOL CWN NIL))	001000
(DECLARE (FMCALL (FUNCTIONAL NOVALUE) OWN))	001100
((GNLIST SYMECL FREE NIL))	001200
((LAPSTCP BCOLEAN FREE))	001300
((AA (ARRAY CCTAL) FREE))	001400
((RR INTEGER FREE) (PP INTEGER FREE) (WW OCTAL FREE))	001500
(DECLARE ((LAPSTL . LAP) SYMBOL CWN))	001600
((ERRFLG . SUPV) BCOLEAN FREE)	001700
((FIXLOC . IC) CCTAL FLUID LOC)	001800
((BUFIX . IC) (ARRAY CCTAL) FLUID))	001900
(DECLARE ((SECTOR . IC) INTEGER FLUID LOC))	002000
(DECLARE ((FILES . IC) SYMBOL FREE))	002100
((ICURFN . IC) SYMBOL FLUID)	002200
((CURFN . IC) SYMBOL FLUID)	002300
((TTY . LISP) SYMBOL FREE)	002400
((DISC . LISP) SYMBOL FREE) ((TAPE . LISP) SYMBOL FREE))	002500
(RCUTINE ((FXFN . GC) NOVALUE) ((X OCTAL) (B BOOLEAN)))	002600
(FUNCTION (SLPV SYMBOL) NIL)	002700
(FUNCTION (EVAL SYMBOL) ((E SYMBOL)))	002800
(FUNCTION ((MAKEST . FSM) SYMBOL) NIL)	002900
(FUNCTION ((CVRTNM . IC) INTEGER) ((A SYMBOL)))	003000
(FUNCTION (LAPGO SYMBOL) NIL)	003100
(RCUTINE (SYNTYPE OCTAL) ((A SYMBOL)))	003200
(RCUTINE (RDTYPIC OCTAL) NIL)	003300
(RCUTINE (ADPCK NOVALUE) ((X INTEGER)))	003400
(FUNCTION ((PRETTYP . LISP) SYMBOL) ((X SYMBOL)))	003500
(FUNCTION ((PRINWCRD . LISP) OCTAL) ((X OCTAL)))	003600
(RCUTINE ((GET . LISP) SYMBOL) ((FN SYMBOL) (DL SYMBOL)))	003700
(FUNCTION ((ENCINR . LISP) NOVALUE) NIL)	003800
(FUNCTION ((ENCOLTR . LISP) NOVALUE) NIL)	003900
(FUNCTION ((LISP . LISP) SYMBOL)	004000
((IN SYMBOL) (OUT SYMBOL) (FORM SYMBOL)))	004100
(DECLARE (ITTY SYMBOL CWN (QUOTE ITTY)))	004200
(CTTY SYMBOL CWN (QUOTE OTTY))	004300
(INERR BCOLEAN FLUID FALSE)	004400
(TRACING BCOLEAN FREE FALSE)	004500
((GC7 . GC) INTEGER CWN)	004600
(FREEZE BCOLEAN FREE FALSE)	004700
(INTCNT INTEGER OWN 3000)	004800
(SUPVFN (FUNCTIONAL SYMBOL SYMBOL SYMBOL OWN))	004900
(TRYPT CCTAL FLUID 40002Q)	005000
(TRYVAR SYMBOL CWN)	005100
(EOFCH SYMBOL OWN) (XXCHAR SYMBOL OWN) (PDOUT SYMBOL OWN))	005200
(DECLARE (DUMPS SYMBOL OWN NIL) (LFILES SYMBOL OWN NIL)))	005300
((INDEX (SECTION SYS SYMBOL))	005400
((RCUTINE (FNCALD FUNCTIONAL) ((RA CCTAL))))	005500
((RCUTINE (LARG SYMBOL) ((FN (FUNCTIONAL NOVALUE)))))	005600
((RCUTINE (RESUME CCTAL)	005700
((FN (FUNCTIONAL NOVALUE)) (MODE BCOLEAN)))	005800
((SECTION SYS SYMECL))	005900
((FUNCTION (MESSAGE SYMBOL) ((M SYMBOL))))	006000
((RCUTINE ((MEMBERN . LISP) BCOLEAN) ((X SYMBOL) (L SYMBOL))))	006100
((FUNCTION ((CELE . LISP) SYMBOL) ((X SYMBOL) (L SYMBOL))))	006200
((FUNCTION (GETFN SYMBOL) ((N SYMBOL) (S SYMBOL))))	006300

(FUNCTION (GETFRT SYMCL) ((N SYMCL) (S SYMBOL)))	0006400
(FUNCTION (GETFN1 SYMCL) ((N SYMCL) (S SYMBOL) (L SYMBOL)))	0006500
(FUNCTION (VARNAME SYMBOL) ((X SYMBOL)))	0006600
(RCUTINE (UNLEN SYMBOL) ((FN (FUNCTIONAL NOVALUE))))	0006700
(FUNCTION (FACTIVE BOOLEAN) ((FN (FUNCTIONAL NOVALUE))))	0006800
(SECTION SYS SYMCL)	0006900
(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 SYMCL) ((S SYMCL) (I INTEGER) (M BOOLEAN)))	0007400
(RCUTINE (FLREST BOOLEAN)	0007500
((A INTEGER) (R INTEGER) (P INTEGER) (M BOOLEAN)))	0007600
(SECTION SYS SYMCL)	0007700
(FUNCTION ((TRACEARGS . LISP) SYMCL) ((L SYMBOL)))	0007800
(FUNCTION (TRACEA NOVALUE) NIL)	0007900
(FUNCTION ((TRACER . LISP) SYMBOL)	0008000
((N SYMBOL) (S SYMCL) (FT (FUNCTIONAL NOVALUE))))	0008100
(FUNCTION ((UNTRACE . LISP) SYMCL) ((L SYMBOL)))	0008200
(FUNCTION ((UNTRACER . LISP) SYMCL) ((N SYMBOL) (S SYMBOL)))	0008300
(SECTION SYS SYMCL)	0008400
(FUNCTION (FTRANS SYMCL) ((P SYMCL)))	0008500
(FUNCTION (ONTRAC NOVALUE)	0008600
((FN (FUNCTIONAL NOVALUE)) (FT (FUNCTIONAL NOVALUE))))	0008700
(FUNCTION (OFFTRAC SYMBOL) ((FN (FUNCTIONAL NOVALUE))))	0008800
(RCUTINE (SETFD NOVALUE) ((FD SYMCL) (J INTEGER)))	0008900
(RCUTINF (SETRAP NOVALUE)	0009000
((FN (FUNCTIONAL NOVALUE)) (FT (FUNCTIONAL NOVALUE))))	0009100
(FUNCTION (UNDEFN NOVALUE) ((FN (FUNCTIONAL NOVALUE)) (S SYMBOL)))	0009200
(RCUTINE (VREFCT NOVALUE) ((V SYMCL) (I INTEGER)))	0009300
(SECTION SYS SYMCL)	0009400
(FUNCTION (FNTRAP NOVALUE) NIL)	0009500
(FUNCTION (FMTRAP NOVALUE) NIL)	0009600
(FUNCTION (LCTRAP NOVALUE) NIL)	0009700
(FUNCTION (PGCNE NOVALUE) NIL)	0009800
(FUNCTION (SCS SYMBOL) ((M SYMBOL)))	0009900
(SECTION SYS SYMCL)	0010000
(FUNCTION ((EXCISE . LISP) SYMBOL) ((N SYMBOL) (S SYMBOL)))	0010100
(FUNCTION (EXCISF SYMCL) ((FD SYMBOL)))	0010200
(RCUTINE (FXRUB CCTAL) ((I OCTAL)))	0010300
(SECTION SYS SYMCL)	0010400
(FUNCTION (GETBPS INTEGER) ((I INTEGER)))	0010500
(FUNCTION (FIBPES INTEGER) ((I INTEGER)))	0010600
(FUNCTION (PACBPS NOVALUE) ((R INTEGER)))	0010700
(FUNCTION (UNLBPS BOOLEAN) ((I INTEGER)))	0010800
(FUNCTION (INTERRUPT CCTAL) NIL)	0010900
(FUNCTION (ITRAP1 NOVALUE) NIL)	0011000
(RCUTINE (FIXBPI NOVALUE) ((BP INTEGER) (A INTEGER) (B INTEGER)))	0011100
(SECTION SYS SYMCL)	0011200
(FUNCTION ((DUMPSEC . LISP) SYMCL)	0011300
((LNAME SYMBOL) (CUT SYMBOL) (SEC SYMBOL)))	0011400
(FUNCTION ((DUMPL . LISP) SYMCL)	0011500
((LNAME SYMBOL) (CUT SYMBOL) (L SYMBOL)))	0011600
(FUNCTION (DUMPFN SYMBOL) ((X SYMCL) (LSIZE INTEGER LOC)))	0011700
(FUNCTION ((UNLOADL . LISP) SYMCL) ((LNAME SYMBOL)))	0011800
(FUNCTION ((UNLOADFN . LISP) SYMCL) ((NAME SYMBOL) (SEC SYMBOL)))	0011900
(FUNCTION (UNLOADFN SYMBOL) ((V SYMCL) (LL SYMBOL)))	0012000
(SECTION SYS SYMCL)	0012100
(FUNCTION ((LCADL . LISP) SYMBOL) ((LNAME SYMBOL)))	0012200
(FUNCTION ((CPENL . LISP) SYMBOL) ((X SYMBOL)))	0012300
(FUNCTION (READLIB INTEGER)	0012400
((FILE SYMBOL) (SECT INTEGER) (I INTEGER)))	0012500
(RCUTINE (INLIB INTEGER)	0012600

((BP INTEGER) (NAME INTEGER) (SECT INTEGER) (I INTEGER)))	C012700
(FUNCTION (REMFN NCVALUE) ((FD SYMBOL)))	C012800
(FUNCTION ((REMOVEL . LISP) SYMBOL) ((LNAME SYMBOL)))	C012900
(SECTION SYS SYMCL)	C013000
(FUNCTION ((START . SYS) NOVALUE) NIL)	C013100
(FUNCTION (SYSINI NOVALUE) NIL)	C013200
(FUNCTION (PRBACK NCVALUE) ((X SYMBOL)))	C013300
(FUNCTION (ICINI NOVALUE) NIL)	C013400
(FUNCTION (RESTART NCVALUE) NIL)	C013500
(FUNCTION (RECCV NCVALUE) NIL)	C013600
(FUNCTION (LSUPV NOVALUE)	C013700
((INFILE SYMBOL) (CUTFILE SYMBOL) (FORM SYMBOL)))	C013800
(SECTION LAP SYMCL) (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 (QLOTE (C2F. (I20. (PLUS (S20. ALPHA) 2Q7 -1)))))))	C014300
(FUNC2VAR (LAMBDA (L)	C014400
(MSUBST L (QLOTE (C2S. (I20. (PLUS (BIT 0 18 (F20. ALPHA)) 1))))	C014500
)))	C014600
(FUNCD (LAMBDA (L)	C014700
(MSUBST L (QLOTE (CORE (BIT 0 18 (F20. ALPHA)))))))	C014800
(TRAPP (LAMBDA (L)	C014900
(MSUBST L (QLOTE (C2S. (BIT 24 18 (FUNCD ALPHA)))))))	C015000
(LADDR (LAMBDA (L) (MSUBST L (QLOTE (BIT 24 18 (CORE ALPHA)))))))	C015100
(RADDR (LAMBDA (L) (MSUBST L (QLOTE (BIT 0 18 (CORE ALPHA)))))))	C015200
(SADDR (LAMBDA (L)	C015300
(MSUBST L (SUBST (GENID)	C015400
(QUOTE X)	C015500
(QUOTE (BLCK ((X OCTAL LEXICAL (CORE ALPHA))))))	C015600
(RETURN (CODE (LDA X (L567.3 S))))))))))	C015700
(SRAADDR (LAMBDA (L)	C015800
(MSUBST L (SUBST (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 (QLOTE (SHIFT (FUNCE ALPHA) -45))))))	C016400
(FREADY (LAMBDA (L)	C016500
(MSUBST L (QLOTE (EQ (WORDAND (FUNCD ALPHA) 2615) 0))))))	C016600
(IDLINK (LAMBDA (L)	C016700
(MSUBST L (QLOTE (C2S. (RADDR (PLUS (S20. ALPHA) 1)))))))	C016800
(AGE (LAMBDA (L)	C016900
(SUBST (CDR L)	C017000
(QUOTE A) (QUOTE (BIT 18 3 (CCRE (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 (CACDR L)	C017900
(QUOTE EXP)	C018000
(SUBST (CADR L)	C018100
(QUOTE FNAME)	C018200
(SUBST (CADDR L)	C018300
(QUOTE MODE)	C018400
(QUOTE (BLOCK ((ALA. OCTAL (CCDE))))	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)))	C019000
(SET (FMCALL . SYS) FNAME)	C019100
(IF SLA. (SET ALA. (S2C. SLA.)))	C019200
(CCDE (LDA ALA.) (BUC CA I))))))))	C019300
(TRACEM (LAMBDA (L)	C019400
(LIST (QUOTE (TRAPM . SYS)) (GENSYM) TRUE (CADR L))))))	C019500
(TRAPM (SECTION SYS SYMBOL)	C019600
(RCUTINE (FNCAFD FUNCTIONAL)	C019700
((RA OCTAL))	C019800
(BLOCK ((FA OCTAL (RADDR (PLUS RA -1))))	C019900
(IF (EQ (BIT 42 6 (CORE FA)) 0) (SET FA (RADDR FA)))	C020000
(RETURN (O2F. (WCRDR 2Q7 FA))))	C020100
(RCUTINE (LARG SYMBOL)	C020200
((FN (FUNCTIONAL NOVALUE)))	C020300
(BLOCK ((WW OCTAL FREE (SYNTYPE (FUNC2VAR FN)))	C020400
(PP INTEGER FREE 12)	C020500
(RR INTEGER FREE 1)	C020600
(AA (ARRAY OCTAL) FREE) (LA SYMBOL) (C OCTAL))	C020700
(IF (EQ (BIT 24 6 WW) 1)	C020800
(BLOCK NIL (SET AA (O2S. (BIT 6 18 WW))))	C020900
(SET WW (AA 1)) (SET PP 30)))	C021000
(FOR C (LCCP (RCTYPC))	C021100
(WHILE (NG C 63))	C021200
(SET LA (IF (CR (RELATION 0 LS C LS 5)	C021300
(AND (EQ C 31) (RCTYPC))) (QUOTE A) (QUOTE S))))	C021400
(RETURN LA)))	C021500
(RCUTINE (RESUME OCTAL)	C021600
((FN (FUNCTIONAL NOVALUE)) (MODE BOOLEAN))	C021700
(BLOCK ((CP OCTAL))	C021800
A (IF (EQ (FNSTAT FN) 0)	C021900
(SET CP (BIT C 18 (FUNCD FN)))	C022000
(AND (FREADY FN) MCDE)	C022100
(SET CP (BIT 24 18 (FUNCD FN)))	C022200
(BLOCK NIL (SET FN (O2F. (BIT C 24 (FUNCD FN)))) (GO A)))	C022300
(RETURN (IF (LARG FN) (PLUS CP 2) (PLUS CP 1))))))	C022400
(SLBFNS (SECTION SYS SYMBOL)	C022500
(FUNCTION (MESSAGE SYMBOL)	C022600
((M SYMBOL))	C022700
(BLOCK ((K SYMBOL))	C022800
(FOR K (IN (MSGFILE . SUPV))	C022900
(BLOCK ((CUT SYMBOL (CUTPUT K))) (PRETTYP M) (CUTPUT OUT)))	C023000
(RETURN M)))	C023100
(RCUTINE ((MEMBERN . LISP) BOOLEAN)	C023200
((X SYMBOL) (L SYMBOL))	C023300
(BLOCK ((Y SYMBOL)) (FOR Y (IN L) (IF (EQN X Y) (RETURN TRUE))))	C023400
(FUNCTION ((DELETE . LISP) SYMBOL)	C023500
((X SYMBOL) (L SYMBOL))	C023600
(BLOCK ((P SYMBOL) (M SYMBOL))	C023700
(FOR L (CN L) (IF (NG (CAR (SET P L)) X) (GO A)))	C023800
(RETURN NIL)	C023900
A (IF (NULL (SET M (CDR P)))	C024000
(RETURN L) (EQ (CAR M) X) (SET (CDR P) (CDR M)) (SET P M))	C024100
(GO A)))	C024200
(FUNCTION (GETFN SYMBOL)	C024300
((N SYMBOL) (S SYMBOL))	C024400
(GETFN1 N S (QUOTE (FUNCTION MACRO INSTRUCTIONS))))	C024500
(FUNCTION (GETFRT SYMBOL)	C024600
((N SYMBOL) (S SYMBOL))	C024700
(GETFN1 N S (QUOTE (FUNCTION MACRO INSTRUCTIONS ROUTINE))))	C024800
(FUNCTION (GETFN1 SYMBOL)	C024900
((N SYMBOL) (S SYMBOL) (L SYMBOL))	C025000
(BLOCK ((X SYMBOL (GETFREE N S)))	C025100
(IF (AND X (MEMBER (FVKIND X) L)) (RETURN X))))	C025200

(FUNCTION (VARNAM SYMBOL))	0025300
((X SYMBOL))	0025400
(CONS (BLOCK ((Y SYMBOL X)))	0025500
(FOR Y (LCCP (IDLINK Y))	0025600
(UNLESS (NC (BIT 42 6 (CORE (S20. Y)))) 7)) (RETURN Y)))	0025700
(O2S. (LADER (S20. X))))	0025800
(RCUTINE (UNLEN SYMBOL))	0025900
((FN (FUNCTIONAL NOVALUE)))	0026000
(IF (FREADY FN)	0026100
NIL (ATOM (TRAPP FN)) (TRAPP FN) (CDR (TRAPP FN))))	0026200
(FUNCTION (FACTIVE BOOLEAN))	0026300
((FN (FUNCTIONAL NOVALUE)))	0026400
(BLOCK ((BP INTEGER (PLUS (BIT 3 18 (FUNCD FN)) -1))	0026500
(P INTEGER) (R INTEGER) (A INTEGER))	0026600
(CODE (STX P 0 8))	0026700
A (FOR A (RESET (CORE P) (RADDR A))	0026800
(WHILE (NC (BIT 18 6 (CORE A)) 1)) NIL)	0026900
(IF (EQ A BP)	0027000
(RETURN TRUE)	0027100
(LS (SET P (PLUS P (LADDR (PLUS (CORE P) -1)))) BPO) (GC A))))	0027200
(ERRCR (SECTION SYS SYMBOL))	0027300
(function ((ERROR . LISP) SYMBOL))	0027400
((S SYMBOL))	0027500
(BLOCK NIL (IF (AND (NCT INERR) (CR (PRNERR . LISP) INTERACT))	0027600
(BLOCK (((INERR . SYS) TRUE)) (MESSAGE S)))	0027700
(IF (NCT INTERACT) (EXIT S))	0027800
(RETURN (SLPVFN ITTY OTTY (QUOTE IL)))))	0027900
(FUNCTION (CCNDERR NOVALUE))	0028000
NIL (ERROR (QUOTE (IF EXPRESSION UNSATISFIED))))	0028100
(FUNCTION ((EXIT . LISP) SYMBOL))	0028200
((S SYMBOL))	0028300
(BLOCK NIL (SET (BACTRC . LISP) NIL) (BACKUP S 50000 TRUE)))	0028400
(FUNCTION ((BACKFUNCTIONS . LISP) SYMBOL))	0028500
((I INTEGER))	0028600
(BLOCK (((BACTRC . LISP) SYMBOL FREE))	0028700
(BACKUP NIL (PLUS I 1) FALSE) (RETURN (CDR (BACTRC . LISP)))))	0028800
(FUNCTION (BACKUP SYMBOL))	0028900
((S SYMBOL) (I INTEGER) (M BOOLEAN))	0029000
(BLOCK ((A INTEGER) (R INTEGER) (P INTEGER))	0029100
(CODE (STX P 0 8))	0029200
(FOR I (STEP I -1 EQ 0)	0029300
(WHILE (LS P BPO))	0029400
(BLOCK NIL (SET R (CORE P)))	0029500
(SET P (PLS P (SLADDR (PLUS R -1))))	0029600
(FOR A (RESET R (RADDR A))	0029700
(WHILE (NC (BIT 18 6 (CORE A)) 1)) NIL)	0029800
(IF (EQ (RADDR A) 0)	0029900
(GO L) (AND M (FLREST A R P TRUE)) (GO BACK))	0030000
(SET P (PLUS P (MINUS BPO)))	0030100
(SET (BACTRC . LISP))	0030200
(CONS (VARNAM (C2S. (I20. (PLUS (RADDR A) 1))))	0030300
(BACTRC . LISP))) (SET P (PLUS P BPO) L))	0030400
(IF (NCT M) (RETURN S))	0030500
BACK (SET A (PLUS A (TRYPT . SYS)))	0030600
(CODE (LDA S) (LDX A 0 4) (LDX F 0 8) (BUC 0 4)))	0030700
(LAP (PATCH (CRG))	0030800
(ENTRY FLRCAL (LABEL A))	0030900
A (BSX (ENTRY FLREST) 7) (END)) NIL SYS)	0031000
(RCUTINE (FLREST BOOLEAN))	0031100
((A INTEGER) (R INTEGER) (P INTEGER) (M BOOLEAN))	0031200
(BLOCK ((B INTEGER)	0031300
(BC INTEGER) (J INTEGER) (K INTEGER) (V INTEGER))	0031400
(SET B (PLS A (LADDR A))))	0031500

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(FOR A (STEP A 1)                                     C031600
(WHILE (LS A B))
(BLOCK NIL (IF (LS (SET BC (PLUS BC -2)) 0)
(BLOCK NIL (SET B (PLUS B -1)) (SET BC 46)))
(IF (NOT (AND (GR A R)
(EQ (WORDAND (CORE A) 7700000077777777Q) (COREENTRY FLRCAL))
(EQ (WORDAND (SHIFT (CORE B) (MINUS BC)) 3Q) 2)
(LS (SET J (LADDR A)) R))) (GO L))
(SET K (PLUS P (SLADER (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 I (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 (CCCADR (FVLIST V)))
(SET J (LENGTH L))
(MESSAGE (CONS (VARNAME V)
(QUOTE OF))
(MAPCAR L (FUNARG SYMCL ((X SYMBOL))
(BLOCK ((W OCTAL))
(SET W (IF (EQ (SET J (PLUS J -1)) 0)
(IF SLA. (S20. SLA.) ALA.)
(CCRE (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 OCTAL))
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 SYMCL (GETFN N S)))
(IF (NULL X) (RETURN NIL))
(ONTRAC (VAR2FUNC X) FT) (RETURN (CONS N S)))))
(FUNCTION ((UNTRACE . LISP) SYMCL)
((L SYMBOL))
(MAPCAR L (FUNARG SYMCL ((X SYMCL))
(IF (ATOM X) NIL (UNTRACER (CAR X) (CDR X)))))))
(FUNCTION ((UNTRACER . LISP) SYMCL)
((N SYMCL) (S SYMBOL))
(BLOCK ((X SYMCL (GETFN N S)))
(RETURN (IF (OR (NULL X) (NULL (CFFTRAC (VAR2FUNC X))))
NIL (CCNS N S)))))))
(UNCD (SECTION SYS SYMBOL)
(FUNCTION (FTRANS SYMCL)
((P SYMBOL))
(BLOCK ((FN (FUNCTIONAL NOVALUE) (VAR2FUNC (CAR P)))
(FNT (FUNCTIONAL NOVALUE) (VAR2FUNC (CDR P))))
(FREEZE BOCLEAN FREE TRUE))
(BLOCK ((S SYMCL) (J INTEGER)))

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(IF (NOT (FREADY FNT))
  (IF (NULL (SET S (UNLDN FNT))) (RETURN NIL) (LOADL S)))
  (REMFN (CDR 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)
    (SETTRAP FN FT)
    (SET (TRAPP FN)
      (CONS FT (IF (ATOM (TRAPP FN)) (TRAPP FN) (CDR (TRAPP FN)))))))
(FUNCTION (OFFTRAC SYMBOL)
  ((FN (FUNCTIONAL NOVALUE))))
  (BLOCK ((S SYMBOL))
    (IF (NOT (FREADY FN))
      (IF (NOT (ATOM (TRAPP FN)))
        (BLOCK NIL (SET S (CAR (TRAPP FN)))
          (SET (TRAPP FN) (CDR (TRAPP FN))))))
      (IF (EQ (FNSTAT FN) 0)
        (BLOCK NIL (SET S (C2F. (BIT 0 24 (FUNCD FN))))))
        (SET (FUNCD FN)
          (WORDCR (WORDAND 7Q14 (FUNCD FN))
            (BIT 24 18 (FUNCD FN)))))) (RETURN S)))
(RCUTINE (SETFD NOVALUE)
  ((FD SYMBOL) (J INTEGER)))
  (BLOCK ((FN (FUNCTIONAL NOVALUE) (VAR2FUNC FD)) (S SYMBOL))
    (SET S (TRAPP FN))
    (SET (FUNCD FN)
      (WORDCR (WORDAND 7Q14 (FUNCD FN)) (I20. (PLUS J 1)))))
    (IF (NOT (ATOM S))
      (SETTRAP FN (C2F. (CCRE (PLUS (S20. (CAR S)) 1)))))))
(RCUTINE (SETTRAP 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))))))
(RCUTINE (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 (S20. V)) (PLUS (RADDR (S20. V)) I))))
(FNTRAP (SECTION SYS SYMBOL)
  (FUNCTION (FNTRAP NOVALUE)
    NIL (TRAPM FN NIL (BLOCK ((X SYMBOL (FUNC2VAR FN)))
      (ROUTINEDIES FN)
      (ERROR (CCNS (VARNAME X) (QUOTE UNDEFINED) (FVLIST X)))))))
  (FUNCTION (FNTRAP NOVALUE)
    NIL (ERROR (QUOTE (UNSET FUNCTIONAL VARIABLE APPLIED))))))
  (FUNCTION (LDTRAP NOVALUE)
    NIL (TRAPM FN NIL (BLOCK ((X SYMBOL (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)))))))
      (IF (NOT (ATOM X)) (SET X (CDR X)) (LOADL X)))))))

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(P SYMBOL PDCUT))
(ADPCK (MINUS (PDBUF . GC)))
(SET PDCUT (QUOTE B))
(IF (EQ P (QUOTE B)) (SOS (QUOTE PDGUNE)))
(IF (NULL P) (RECLAIM 0))
(SET (PDADE . 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 (COLE (0))))))
(EXCISE (SECTION SYS SYMBOL)
(FUNCTION ((EXCISE . LISP) SYMBOL)
((N SYMBOL) (S SYMBOL))
(BLOCK ((X SYMBOL (GETFRT N S)))
(RETURN (IF (NULL X) NIL (EXCISE X))))))
(FUNCTION (EXCISE SYMBOL)
((FD SYMBOL))
(BLOCK ((FN (FUNCTIONAL NOVALUE) (VAR2FUNC FD))
(S SYMBOL) (J INTEGER) (FREEZE BOOLEAN FREE TRUE))
(IF (NOT (READY FN))
(IF (NULL (SET S (UNLBN FN))) (RETURN NIL) (LOADL S)))
(SET S (CFFTRAC FN))
(IF (FACTIVE FN)
(BLOCK NIL (IF S (CNTRAC FN S))
(ERRCR (CONS (VARNME FD) (QUOTE (ACTIVE CANT EXCISE)))))))
(REMFN FD)
(SET J (PLUS (BIT 0 18 (FUNCD FN)) -1))
(SET (BIT 42 6 (CORE J)) 0Q)
(IF (GG J BPC) ((FXFN . GC) J TRUE) (GO A))
(IF (EG (PLUS J (LADDR J)) BPP)
(SET BPP J)
(SET (BPMIN . GC) (PLUS (BPMIN . GC) (MINUS (LADDR J))))))
A (UNDEFN FN S) (RETURN (VARNME 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 (I2C. (PLUS I 1))) (SET J (BIT 42 6 (CORE I))))
(IF (EQ J 7)
(SET (LADDR (PLUS I 1)) (PLUS (LADDR (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)) (GC R)))
(INTERUPT)
(IF (GG K I)
(BLOCK NIL (PACBPS .) (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) (GC A)))
R (SET (CORE BP) 0) (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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(FUNCTION (FITBPS INTEGER)                               C050500
  ((I INTEGER))
  (BLOCK ((BP INTEGER)
    (BS INTEGER) (BMP INTEGER) (BMS INTEGER 50000))
    (FOR BP (RESET BPO (PLUS BP (LADDR BP))))
      (WHILE (NQ BP BPP))
        (IF (EQ (BIT 42 6 (CORE BP)) 0)
          (SET BS (PLUS BS (LADDR BP)))
          (AND (GQ BS I) (LS BS BMS))
          (BLOCK NIL (SET BMP (PLUS BP (MINUS BS))))
            (SET BMS BS) (SET BS 0)) (SET BS 0)))
        (SET (BPMIN . GC) (PLUS (BPMIN . GC) BS))
        (SET BPP (PLUS BPP (MINUS BS)))
        (IF (EQ BMS 50000)
          (RETURN 0)
          (GR BMS I)
          (BLOCK NIL (SET (CCRE (PLUS BMP I)) 0)
            (SET (LADDR (PLUS BMP I)) (PLUS BMS (MINUS I))))))
        (SET (BPMIN . GC) (PLUS (BPMIN . GC) 1)) (RETURN BMP)))
  (FUNCTION (PACBPS NOVALUE)                           C052400
    ((R INTEGER))
    (CRG NIL (BLOCK ((A INTEGER)
      (P INTEGER) (D INTEGER) (I INTEGER)))
      REASSIGN (SET A (PLUS BPO R 1))
      (FOR P (RESET BPC (PLUS P (LADDR P))))
        (WHILE (NQ P BPP))
          (UNLESS (EQ (BIT 42 6 (CORE P)) 0))
            (BLOCK NIL (SET D (RADDR P))
              (IF (NQ (WORDAND I015 (CORE D)) 0)
                (SET (LADDR D) (I2C. A)) (SET (RADDR D) (I2C. A)))
              (SET A (PLUS A (LADDR P))))))
        FIXRETS (CCDE (STX P 0 8))
        (FOR P (RESET P (PLUS P I))
          (WHILE (NQ P BPO))
            (BLOCK NIL (FCR A (RESET (CORE P) (RADDR A)))
              (WHILE (NQ (BIT 18 6 (CORE A)) 1) NIL)
              (SET I (SLADDR (PLUS (CORE P) -1)))
              (IF (NQ (SET D (RADDR A)) 0)
                (SET (CCRE P)
                  (PLUS (CORE P)
                    (MINUS A)
                    -1 (IF (NQ (WORDAND I015 (CORE D)) 0)
                      (LADDR D) (RADDR D)))))))
        MOVEBPI (SET P BPC)
        (SET BPC (SET A (PLUS P (IF (GR R 0) 0 R))))
        (FOR P (RESET P (PLUS P I))
          (WHILE (NQ P BPP))
            (UNLESS (BLOCK NIL (SET I (LADDR P))
              (RETURN (EQ (BIT 42 6 (CORE P)) 0))))
            (IF (EQ A P)
              (SET A (PLUS A (LADDR P)))
              (BLOCK NIL (FIXBPI P P (PLUS A R))
                (FCR D (STEP P 1 EQ (PLUS P (LADDR P)))
                  (BLOCK NIL (SET (CORE A) (CCRE D)) (SET A (PLUS A 1)))))))
            (SET BPP A) (SET (BPMIN . GC) 0)))
  (FUNCTION (ULBPS BOOLEAN)                           C056000
    ((I INTEGER))
    (BLOCK ((N INTEGER)
      (X SYMBOL) (V SYMBOL) (FN (FUNCTIONAL NOVALUE))))
      (FOR N (STEP 7 -1 EQ -2)
        (IF (LQ I (PLUS ARC (MINUS BPP) (MINUS (BPMIN . GC)))))
          (RETURN TRUE)
          (FOR X (IN DUMPS)

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(FOR V (IN (CADR X))
  (IF (EQ (FNSTAT (SET FN (VAR2FUNC V))) 1)
    (IF (AND (EQ (AGE V) N) (TRAPEQ FN ITRAP1))
      (BLOCK NIL (SET (FUNCD FN)
        (WCRDOR (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 SYMCL) (V SYMBOL) (FN (FUNCTIONAL NOVALUE)))
      (FOR X (IN DUMPS)
        (FOR V (IN (CADR X))
          (UNLESS (NOT (FREADY (SET FN (VAR2FUNC V))))))
            (IF (EQ (FNSTAT FN) 0)
              (BLOCK NIL (SETRAP FN ITRAP1) (SET (AGE V) 0))
              (TRAPEG 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 (ITRAP1 NOVALUE)
      NIL (BLOCK ((ALA. OCTAL (CODE)))
        (BLOCK ((FN (FUNCTIONAL NOVALUE)
          ((FNCALL . SYS) (CODE (LDA 0 8))))))
        (SET (FUNCD FN)
          (WCRDOR (WORDAND 7614 (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 -)))
        (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 SYMCL)
      (FUNCTION ((DUMPSEC . LISP) SYMCL)
        ((LNAME SYMCL) (CUT SYMBOL) (SEC SYMBOL)))
      (BLOCK ((I INTEGER 1) (L SYMBOL) (A SYMBOL)))
        (FOR I (STEP I 1 GR DBLSIZ)
          (FOR A (RESET (CBLIST I) (IDLINK A))
            (WHILE A) (IF (GETFREE A SEC) (SET L (CONS (CCNS A SEC) L))))))
        (RETURN (DUMPL LNAME OUT L))))))
    (FUNCTION ((DUMPL . LISP) SYMBOL)
      ((LNAME SYMBOL) (CUT SYMBOL) (L SYMBOL)))
    (BLOCK ((LSIZE INTEGER 0)
      (B SYMCL) (LF SYMCL) (S SYMCL) (M SYMCL) (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 CUT))                                     C063100
(SET (SECTOR . IO) (CDR LF))                           C063200
(IF (FINDN LNAME DUMPS) (SET L (APPEND (REMovel LNAME) L))) C063300
(FOR X (IN L) (IF (SET X (DUMPFN X LSIZE)) (SET M (CONS X M)))) C063400
(SET M (REVERSE M))                                    C063500
(ENCOUTR)
(SET DUMPS (CONS (LIST LNAME (LIST OUT (CDR LF) LSIZE) M NIL)
                  DUMPS))                                         C063600
(SET (CDR LF) (SECTOR . IO))                           C063800
(OUTPUT S) (SET (CDR B) NIL) (RETURN (MAPCAR M VARNAME))) C064000
(FUNCTION (DLMPFN SYMBCL)                            C064100
((X SYMBOL) (LSIZE INTEGER LOG))
(BLOCK ((V SYMBCL)
        (FN (FUNCTIONAL NOVALUE))
        (S SYMBCL)
        (A (ARRAY OCTAL))
        (BP INTEGER) (I INTEGER) (FREEZE BOOLEAN FREE TRUE))
       (IF (CR (ATOM X) (NULL (SET V (GETFN (CAR X) (CDR X)))))) C064200
       (RETURN NIL))
(SET FN (VAR2FUNC V))                                C064300
(0064400
(IF (NCT (FREADY FN))
    (IF (NULL (SET S (UNLON FN))) (RETURN NIL) (LOADL S))) C064500
(A (SET BP (PLUS -1 (IF (EQ (FNSTAT FN) 0)
                           (BIT 0 18 (FUNCD FN)) (BIT 24 18 (FUNCD FN)))))) C064600
(0064700
(IF (LS BP BPO) (RETURN NIL))                      C064800
(0064900
(IF (NULL A)
    (BLOCK NIL (SET A (CREATE (LADDR BP) (QUOTE OCTAL) 0)) (GO A))) C065000
(FOR I (STEP (LADDR BP) -1 EQ 0)                   C065100
    (SET (A I) (CCRE (PLUS BP I -1))))              C065200
(FIXBPI (PLUS (S20. A) 1) BP 2Q5)                  C065300
(0065400
(FOR I (STEP 1 1 GR (LADDR BP))
    (BLOCK NIL (PRINWCRD (A I)) (SET LSIZE (PLUS LSIZE 1)))) C065500
(IF (EQ (PLUS (S20. A) I) ARP) (SET ARP (S20. A))) (RETURN V))) C065600
(0065700
(FUNCTION ((UNLOADL . LISP) SYMBCL)                C065800
((LNAME SYMBCL))
(BLOCK ((LL SYMBCL (FINDN LNAME DUMPS)) (X SYMBOL))
       (IF (NULL LL)
           (ERROR (CCNS LNAME (QUOTE (ILLEGAL LIBRARY FILE NAME)))))) C065900
       (FOR X (IN (CADR LL)) (UNLDFN X LL))))          C066000
(0066100
(FUNCTION ((UNLOADFN . LISP) SYMBCL)                C066200
((NAME SYMBCL) (SEC SYMBOL))
(BLOCK ((V SYMBCL (GETFN NAME SEC)) (LL SYMBOL))
       (IF (NULL V) (RETURN NIL)))                     C066300
(0066400
(FOR LL (IN DUMPS)
    (UNLESS (NCT (MEMBERN V (CADR LL)))
        (BLOCK NIL (UNLDFN V LL) (GO R))) R))          C066500
(0066600
(FUNCTION (UNLDFN SYMBCL)                         C066700
((V SYMBOL) (LL SYMBOL))
(IF (NCT FREEZE)
    (BLOCK ((FN (FUNCTIONAL 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))))      C066800
        (SET BP (PLUS (BIT 0 18 (FUNCD FN)) -1))
        (SET (BIT 42 6 (CORE BP)) 0Q)
        (SET (BPMIN . GC) (PLUS (BPMIN . GC) (MINUS (LADDR BP)))))) C066900
        (SET (FUNCD FN)
            (WORDCOR 2Q15 (WORDAND (FUNCD FN) 7Q14)
            (BIT 0 24 (F20. LCTRAP)))))
        (SET (TRAPP FN) (CAR LL))
        (IF S (SET (TRAPP FN) (CONS S (CAR LL))) R) NIL)))
(0067000
(LCADL (SECTION SYS SYMBCL))                      C067100
(0067200
(0067300
(0067400
(0067500
(0067600
(0067700
(0067800
(0067900
(0068000
(0068100
(0068200
(0068300
(0068400
(0068500
(0068600
(0068700
(0068800
(0068900
(0069000
(0069100
(0069200
(0069300

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FUNCTION ((LCAOL . LISP) SYMBOL) C069400
((LNAME SYMBOL)) C069500
(BLOCK ((LL SYMBOL (FINDN LNAME CUMPS)))
  (BP INTEGER) C069600
  (I INTEGER) C069700
  (J INTEGER) C069800
  (M SYMBOL) (U SYMBOL) (FF (FUNCTIONAL SYMBOL SYMBOL))) C069900
(IF (NULL LL) C070000
  (ERROR (CCNS LNAME (QUOTE (NOT LIBRARY FILE NAME))))) C070100
(SET M (CAAR LL)) C070200
(IF (SET U (CDDR M)) (BLOCK NIL (SET FF (CAR U)) (FF (CDR U)))) C070300
(SET I (CADDR M)) C070400
(IF (GR I (DIFFERENCE ARO BPP)) (UNLOADL LNAME)) C070500
(SET BP (READLIB (CAR M) (CADR M) I)) C070600
(SET J (PLUS BP I)) C070700
(SET BP (RESET BP (PLUS BP (LADDR BP)))) C070800
(WHILE (LS BP J))
  (BLOCK ((FN (FUNCTIONAL NOVALUE)
    (02F. (WCREDR 267 (RADDR BP))))) C070900
    (SET U (FUNC2VAR FN))
    (IF (OR (FREADY FN) (NOT (MEMBERN U (CADDR LL)))) C071000
      (BLOCK NIL (SET (BIT 42 6 (CCRE BP)) 0Q)
        (SET (BPMIN . GC) (PLUS (BPMIN . GC) (MINUS (LADDR BP)))) C071100
        (GC R)) (SETFD U BP) (FIXBPI BP 2Q5 BP) R)) C071200
    (RETURN LNAME))) C071300
  (RETURN LNAME))) C071400
FUNCTION ((CPNL . LISP) SYMBOL) C071500
((X SYMBOL)) C071600
(BLOCK ((S SYMBOL (FINDN X LFILES)) (Y SYMBOL)) C071700
  (IF (GET X (FILES. . IC)) C071800
    (IF S (RETURN NIL)
      (ERRCR (CCNS X (QUOTE (NOT LIBRARY FILE))))) C071900
    (IF S (SET Y (LIST (QUOTE OLD)))) C072000
    (SET LFILES (CONS (CONS X O) LFILES))) C072100
    (OPEN X (APPEND Y (APPEND (QUOTE ((FORM . BINARY)
      (RECORD . 512))) DISC.))) C072200
    (SET (CDR (GET (QUOTE BUF) (GET X (FILES. . IO)))) NIL) C072300
    (RETURN X))) C072400
  (RETURN X))) C072500
FUNCTION (READLIB INTEGER) C072600
((FILE SYMBOL) (SECT INTEGER) (I INTEGER)) C072700
(BLOCK (((SHORWD . IC) (QUOTE (*STRING ANYSIX)))) C072800
  (BLOCK ((NAME INTEGER ((VRTNM . IC) FILE))) C072900
    (OPENL FILE)) C073000
    (BLOCK ((BP INTEGER (GETBPS I))) C073100
      (BLOCK ((B INTEGER BP) (J INTEGER I) (K INTEGER) (S INTEGER)) C073200
        (FOR J (RESET J (PLUS J (MINUS K))) C073300
          (WFILE (NQ J 0)) C073400
          (BLOCK NIL (IF (GR (INLIB B NAME SECT (SET K (MIN J (TIMES
            512 (SET S (PLUS 8 (MINUS (REMAINDER SECT 8)))))))) 3) C073500
            (BLOCK NIL (SET (CORE BP) 0)
              (SET (LADDR BP) I)
              (SET (BPMIN . GC) (PLUS (BPMIN . GC) (MINUS I)))
              (ERRCR (QUOTE (READLIB ERROR)))))) C073600
            (SET B (PLUS B K)) (SET SECT (PLUS SECT S)))) C073700
          (RETURN BP)))))) C073800
        (BLOCK NIL (SET (CORE BP) 0)
          (SET (LADDR BP) I)
          (SET (BPMIN . GC) (PLUS (BPMIN . GC) (MINUS I)))
          (ERRCR (QUOTE (READLIB ERROR)))))) C073900
        (SET B (PLUS B K)) (SET SECT (PLUS SECT S))) C074000
      (RETURN BP)))))) C074100
    (BLOCK NIL (SET (CORE BP) 0)
      (SET (LADDR BP) I)
      (SET (BPMIN . GC) (PLUS (BPMIN . GC) (MINUS I)))
      (ERRCR (QUOTE (READLIB ERROR)))))) C074200
      (SET (LADDR BP) I)
      (SET (BPMIN . GC) (PLUS (BPMIN . GC) (MINUS I)))
      (ERRCR (QUOTE (READLIB ERROR)))))) C074300
      (SET (LADDR BP) I)
      (SET (BPMIN . GC) (PLUS (BPMIN . GC) (MINUS I)))
      (ERRCR (QUOTE (READLIB ERROR)))))) C074400
      (SET (LADDR BP) I)
      (SET (BPMIN . GC) (PLUS (BPMIN . GC) (MINUS I)))
      (ERRCR (QUOTE (READLIB ERROR)))))) C074500
      (SET B (PLUS B K)) (SET SECT (PLUS SECT S))) C074600
    (RETURN BP)))))) C074700
RCUTINE (INLIB INTEGER) C074800
((BP INTEGER) (NAME INTEGER) (SECT INTEGER) (I INTEGER)) C074900
(BLOCK NIL (SET (CORETRY MNAME) NAME)) C075000
(SET (CORETRY MINCUT) (CORETRY IN)) C075100
(SET (CORETRY MLCC) BP) C075200
(SET (CORETRY MSECTR) SECT) C075300
(SET (CORETRY MSIZE) I) C075400
(CODE (LDA (ENTRY MCALL) (RA R)) (BUC (ENTRY DSPCHR))) C075500
(RETUR (BIT 0 6 (CORETRY MSTAT)))) C075600

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(FUNCTION (REMFN NOVALUE)	C075700
((FD SYMBOL))	C075800
(BLOCK ((X SYMBOL))	C075900
(FOR X (IN DUMPS)	C076000
(UNLESS (NOT (MEMBERN FD (CADDR X))))	C076100
(BLOCK NIL (IF (SET (CADDR X) (DELETE FD (CADDR X)))	C076200
(SET (CADDR X) (CONS FD (CADDR X))) (REMOVEV (CAR X))))))	C076300
(FUNCTION ((REMOVEV . LISP) SYMBOL))	C076400
((LNAME SYMBOL))	C076500
(BLOCK ((LL SYMBOL (FINDN LNAME DUMPS))	C076600
(FREEZE BCCLEAN FREE TRUE))	C076700
(IF (NULL LL) (RETURN NIL))	C076800
(LOADL (CAR LL))	C076900
(SET DUMPS (DELETE LL DUMPS))	C077000
(RETURN (MAPCAR (CADDR LL) VARNAME))))	C077100
(START (SECTION SYS SYMBOL))	C077200
(FUNCTION ((START . SYS) NOVALUE)	C077300
NIL (BLOCK ((X SYMBOL))	C077400
(IOINI)	C077500
A (RESTART)	C077600
(TRY X E (SUPVFN ITTY CTTY (QUOTE IL)))	C077700
(GO A) E (TRY X A (PRBACK X)) (GO A)))	C077800
(FUNCTION (SYSINI NOVALUE)	C077900
NIL (BLOCK ((X (ARRAY OCTAL) (02S. (ENTRY FIXBUF))))	C078000
(SET (BUFIX . IC) X)	C078100
(LOCSET (FIXLOC . IC) (X 0))	C078200
(SET ECFCH (OCT2CH 34Q))	C078300
(SET XXCHAR (OCT2CH 14Q1))	C078400
(SET TRYVAR (GETFREE (QUOTE TRYFT) (QUOTE SYS)))	C078500
(CODE (LDA (TRP . SYS))	C078600
(ADD (PCBUF . GC))	C078700
(STA (ENTRY PDCOK) S7.123)	C078800
(ADD (NUMBER 25)) (STA ((ENTRY PDCOK) 1) S7.123))))	C078900
(FUNCTION (PRBACK NOVALUE)	C079000
((X SYMBOL))	C079100
(BLOCK NIL (SET BACKTRACE BACTRC)	C079200
(MESSAGE (APPEND (QUOTE (TOP LEVEL EXIT VALUE)) X))	C079300
(MESSAGE (CONS (QUOTE BACKTRACE) (LASTN PRNMAX BACKTRACE))))	C079400
(FUNCTION (ICINI NOVALUE)	C079500
NIL (BLOCK NIL (SET (FILES. . IC) NIL))	C079600
(SET (ICURFN . IC) (SET (CURFN . IC) NIL))	C079700
(SET (CORENTRY DNAME) (CORE (PLUS (ENTRY BELL) 2)))	C079800
(SET (BIT C 6 (CORENTRY DUNIT)) 1Q1)	C079900
(SET (BIT C 6 (CORENTRY DFORM)) 21G)	C080000
(SET (CORENTRY CSIZE) 1)	C080100
(CODE (LDA (ENTRY DCALL) (L567.7 R)) (BUC (ENTRY DSPCHR)))	C080200
(OPEN ITTY TTY.)	C080300
(OPEN CTTY TTY.) (INPUT ITTY) (CUTPUT OTTY) (MESSAGE SIGNON))	C080400
(FUNCTION (RESTART NOVALUE)	C080500
NIL (BLOCK NIL (SET (FSCHAR . FSM) NIL))	C080600
((MAKEST . FSM)) (SET (BACTRC . LISP) NIL)))	C080700
(FUNCTION (RECCV NOVALUE) NIL (CCDE (0)))	C080800
(FUNCTION (LSUPV NOVALUE)	C080900
((INFILE SYMBOL) (OUTFILE SYMBOL) (FORM SYMBOL))	C081000
(BLOCK ((A SYMBOL)	C081100
(B SYMBOL))	C081200
(G (FUNCTIONAL SYMBOL))	C081300
(INF SYMBOL (INPUT INFILE)) (CLT SYMBOL (CUTPUT OUTFILE)))	C081400
(ENDIF)	C081500
A (SET A (READ))	C081600
E (IF (NOT (ATCM A))	C081700
(IF (EQ (CAR A) (QUOTE LAP))	C081800
(GO LAP) (EQ INFILE ITTY) (GO PR) (GO A))	C081900

(OR (EQN A EOFCH) (EQ A (QUOTE STOP)) (EQ A (QUOTE END)))	C082000
(GO EXIT))	C082100
AT (SET B (READ))	C082200
(IF (EQ A (QUOTE DISC))	C082300
(SET A (OPEN (CAR B) (APPEND (CDR B) DISC.)))	C082400
(EQ A (QUOTE TAPE))	C082500
(SET A (OPEN (CAR B) (APPEND (CDR B) TAPE.)))	C082600
(EQ A (QUOTE LSUPV))	C082700
(LSUPV (CAR B) (CADR B) (QUOTE IL))	C082800
(EQ A (QUOTE ID))	C082900
(SET A (S2C. B))	C083000
(EQ A (QUOTE TRACEARGS))	C083100
(SET A (TRACEARGS B))	C083200
(EQ A (QUOTE UNTRACE))	C083300
(SET A (UNTRACE B))	C083400
(EQ A (QUOTE DUMPSEC))	C083500
(SET A (DUMPSEC (CAR B) (CADR B) (CADDR B)))	C083600
(EQ A (QUOTE DUMPL))	C083700
(SET A (DLMPL (CAR B) (CADR B) (CADDR B)))	C083800
(EQ A (QUOTE UNLOADL))	C083900
(SET A (UNLOADL B))	C084000
(EQ A (QUOTE EVAL))	C084100
(SET A (EVAL B))	C084200
(EQ A (QUOTE FREE))	C084300
(BLOCK ((V SYMBOL (GETFREE (CAR B) (CDR B))))	C084400
(IF V (SET A (LIST A (S20. V)	C084500
(CORE (PLUS (S2C. V) -1)) (FVLIST V))))	C084600
(EQ A (QUOTE LAPSTOP))	C084700
(BLOCK NIL (IF (NCT B) (SET A (LAPGO))) (SET LAPSTOP B))	C084800
(EQ A (QUOTE SUPV)) (SUPV) (BLCK NIL (SET A B) (GO B)))	C084900
(GO PR)	C085000
LAP (SET (ERRFLG . SUPV) FALSE)	C085100
(SET A (LAP (CADR A) (CADDR A) (CACDDR A)))	C085200
(IF (ERRFLG . SUPV) (GC A) (INQ (CDR A) (QUOTE RUN)) (GO PR))	C085300
(SET B A)	C085400
(SET G (VAR2FUNC (GETFREE (CAR B) (CDR B))))	C085500
(SET A (G))	C085600
(EXCISE (CAR B) (CDR B))	C085700
PR (PRETTYP A) (GO A) EXIT (INPUT INF) (OUTPUT CUT))))	C085800
	C085900

****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) ((D 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 (LAPPUS1 NOVALUE) ((N INTEGER)))	0001100
(RCUTINE (LAPPCL1 NOVALUE) ((N INTEGER)))	0001200
(RCUTINE (NUMADDR BOOLEAN) ((X SYMBOL)))	0001300
(FUNCTION (RCLTP SYMBOL) ((V SYMBOL)))	0001400
(FUNCTION (LAP2 NOVALUE) ((MODE SYMBOL) (PDK INTEGER)))	0001500
(FUNCTION (FLBIND SYMBOL) ((L SYMBOL)))	0001600
(FUNCTION (FLRESTS SYMBOL) NIL)	0001700
(FUNCTION (LAPADER NOVALUE) ((X SYMBOL) (P BOOLEAN)))	0001800
(FUNCTION (LAPABSADDR INTEGER) ((X SYMBOL)))	0001900
(FUNCTION (LAPADD1 BOOLEAN) ((X SYMBOL) (P BOOLEAN)))	0002000
(FUNCTION (LAPTAG NOVALUE) ((X SYMBOL)))	0002100
(FUNCTION (BYTMD SYMBOL) ((L SYMBOL)))	0002200
(FUNCTION (APMED SYMBOL) ((P OCTAL) (A SYMBOL)))	0002300
(FUNCTION (LAPPUSH NOVALUE) ((N INTEGER) (B OCTAL)))	0002400
(RCUTINE (LAPPCL NOVALUE) ((N INTEGER)))	0002500
(FUNCTION (LAPCALL2 NOVALUE) NIL)	0002600
(FUNCTION (BPINSTR NOVALUE) ((C OCTAL) (R INTEGER) (Y SYMBOL)))	0002700
(FUNCTION (BPINST NOVALUE)	0002800
((C OCTAL) (L INTEGER) (X SYMBOL) (R INTEGER) (Y SYMBOL)))	0002900
(RCUTINE (BPADER 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
(FUNCTION (NCUP SYMBOL) ((N INTEGER) (X SYMBOL)))	0003400
(FUNCTION (LAPNIX NOVALUE) ((M SYMBOL)))	0003500
(RCUTINE (LAPID SYMBOL) ((X SYMBOL)))	0003600
(RCUTINE (LAPFREE SYMBOL) ((N SYMBOL) (SN SYMBOL)))	0003700
(FUNCTION ((LAPGC . SYS) SYMBOL) NIL)	0003800
(FUNCTION (PRINCCM NOVALUE) ((M SYMBOL) (I INTEGER)))	0003900
(FUNCTION (BLANKS NOVALUE) ((I INTEGER)))	0004000
(FUNCTION (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
(CVD 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)	C006400
(LBC CCTAL CWN 224Q13)	C006500
(LDL CCTAL CWN 23Q14)	C006600
(LLC CCTAL CWN 234Q13)	C006700
(FAD OCTAL CWN 3Q15)	C006800
(FAM CCTAL CWN 304Q13)	C006900
(FSB OCTAL CWN 31Q14)	C007000
(FSM CCTAL CWN 314Q13)	C007100
(FLT CCTAL CWN 32Q14)	C007200
(FRN CCTAL CWN 324Q13)	C007300
(FMP OCTAL CWN 33Q14)	C007400
(FDV CCTAL CWN 334Q13)	C007500
(CAS OCTAL CWN 4Q15)	C007600
(INS OCTAL CWN 404Q13)	C007700
(COM OCTAL CWN 41Q14)	C007800
(TST OCTAL CWN 414Q13)	C007900
(LDX CCTAL CWN 42Q14)	C008000
(ATX OCTAL CWN 424Q13)	C008100
(CON OCTAL CWN 43Q14)	C008200
(ANA OCTAL CWN 430004Q10)	C008300
(XOR OCTAL CWN 43003Q11)	C008400
(CRA OCTAL CWN 430034Q10)	C008500
(ANS OCTAL CWN 430204Q10)	C008600
(STMZ CCTAL CWN 433274Q10)	C008700
(LDS OCTAL CWN 434Q13)	C008800
(STS OCTAL CWN 44Q14)	C008900
(LDI CCTAL CWN 444Q13)	C009000
(STA CCTAL CWN 5Q15)	C009100
(STB OCTAL CWN 504Q13)	C009200
(STL CCTAL CWN 51Q14)	C009300
(STP CCTAL CWN 514Q13)	C009400
(STX OCTAL CWN 52Q14)	C009500
(ECH OCTAL CWN 524Q13)	C009600
(ACR OCTAL CWN 53Q14)	C009700
(SOR OCTAL CWN 534Q13)	C009800
(ATR OCTAL CWN 54Q14)	C009900
(BOZ OCTAL CWN 6002Q12)	C010000
(BNZ OCTAL CWN 6012Q12)	C010100
(BOZP CCTAL CWN 6Q15)	C010200
(BNZP CCTAL CWN 601Q13)	C010300
(BOZM CCTAL CWN 6001Q12)	C010400
(BNZM CCTAL CWN 6011Q12)	C010500
(BSN CCTAL CWN 604Q13)	C010600
(BSG CCTAL CWN 61Q14)	C010700
(BOP CCTAL CWN 61000177Q8)	C010800
(BOM CCTAL CWN 61040177Q8)	C010900
(BAR OCTAL CWN 614Q13)	C011000
(BXH OCTAL CWN 7Q15)	C011100
(BXL OCTAL CWN 71Q14)	C011200
(BXE OCTAL CWN 72Q14)	C011300
(BSX OCTAL CWN 73Q14)	C011400
(BAX OCTAL CWN 74Q14)	C011500
(BPX OCTAL CWN 75Q14) (BMX CCTAL CWN 76Q14))	C011600
(SECTION MCDCCODE SYMBCL)	C011700
(DECLARE (A CCTAL CWN 17Q)	C011800
(AC OCTAL CWN 17Q)	C011900
(A. OCTAL CWN 17Q)	C012000
(I OCTAL CWN 2Q1)	C012100
(E OCTAL CWN 4Q1)	C012200
(L OCTAL CWN 4Q6)	C012300
(R OCTAL CWN 1Q7)	C012400
(S OCTAL CWN 4Q4)	C012500
(T OCTAL CWN 4Q5) (N OCTAL CWN 1Q7) (RA OCTAL CWN 37Q3))	C012600

(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 (QUOTE CORE)	0015700
(List (QUOTE PLUS)	0015800
-1 (APPEND (QUOTE (CHEAT SYMBOL INTEGER)) (CDR X)))))))	0015900
(ROUTINE (SETFD NOVALUE) ((FD SYMBOL) (J INTEGER)))	0016000
(FUNCTION (MESSAGE SYMBOL) ((M SYMBOL)))	0016100
(FUNCTION (EXCISE SYMBOL) ((V SYMBOL)))	0016200
(FUNCTION (FTRANS SYMBOL) ((P SYMBOL)))	0016300
(FUNCTION (GETBPS INTEGER) ((I INTEGER)))	0016400
(ROUTINE (VREFCT NOVALUE) ((V SYMBOL)(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
(CRIGIN BOOLEAN FLUID)	0017800
(CRGMODE 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 FLUID)	C019100
(HR INTEGER FLUID)	C019200
(TAG INTEGER FLUID)	C019300
(LG SYMBOL FLUID)	C019400
(IT SYMBOL FLUID)	0019500
(ERRS BOOLEAN FLUID)	C019600
(FD SYMBOL)	C019700
(A SYMBOL) (D SYMBOL) (I INTEGER) (J INTEGER) (PATCH BOOLEAN))	C019800
(SET DLIST (MAPCAR CLIST FREEDECL))	0019900
(IF (EQ (CAR LISTING) (QUOTE PATCH))	C020000
(GC B) (EQ (CAR LISTING) (QUOTE ROUTINE)) (SET ROUT TRUE))	C020100
(SET FNAME (VNAMER (CAADR LISTING)))	C020200
(SET FSEC (CDR FNAME))	C020300
(SET D (CADDR LISTING))	C020400
(SET A (LIST (CAR LISTING)	C020500
(FORMALIZE (CADADR LISTING) D) (QUOTE VALUE)))	C020600
(SET FD (FREEDECL (CONS FNAME A)))	C020700
(SET FDESC (FREEDECL (CONS (CONS (GENID) (QUOTE TEMP)) A)))	C020800
(SET FNAME (CAR FNAME))	C020900
(IF (NULL FD) (GO ERRS))	C021000
(SET FSIZ (PLUS FPP (SET ILC 1)))	C021100
(SET LG (CDDR LISTING))	C021200
(GO LAP1)	C021300
E (SET FNAME (QUOTE PATCH))	C021400
(SET ILC (SET FSIZ FPP))	C021500
(SET ORIGIN (SET ORGMODE (SET PATCH TRUE)))	C021600
(SET LG (CER LISTING))	C021700
LAP1 (SET PDMAX 1)	C021800
(SET RLC (SET PDC (SET PDMIN 0)))	C021900
(IF D (SET PDC 1))	C022000
(LAP1 (QUOTE END) 0)	C022100
J (LAP1 NIL 0)	C022200
(IF LG (GO J) ERRS (GO ERRS) (NCT PATCH) (VREFCT FDESC 1))	C022300
(IF (NCT ORIGIN) (GC C) (NOT ORGMODE) (SET ILC FSIZ))	C022400
(SET FSIZ (PLUS ILC RLC (MINUS FPP)))	C022500
(SET ORGMODE TRUE)	C022600
(SET RLC ILC)	C022700
(SET J (SET ILC FPP))	C022800
(IF PATCH (GO E) (GC D))	C022900
C (SET FSIZ (PLUS ILC RLC))	C023000
(SET I (IQLCTIENT (PLUS FSIZ 23) 24))	C023100
(SET FSIZ (PLUS FSIZ I))	C023200
(SET J (GETBPS FSIZ))	C023300
(FOR I (STEP I -1 EQ 0) (SET (CCRE (PLUS J FSIZ (MINUS I))) 0Q))	C023400
(SET RLC ILC)	C023500
(SET ILC 0)	C023600
D (SETFD FDESC J)	C023700
(BPINST 40CCCC0001Q6 FSIZ (QUOTE A) (S20. FDESC) (QUOTE F))	C023800
(PRINCCM NIL 0)	C023900
(SET LG (CDDR LISTING))	C024000
(SET MAPS (LIST (CONS 0 (PLUS ILC -1)) (CONS -1 (PLUS ILC -1))))	C024100
(GO LAP2)	C024200
E (SET LG (CDR LISTING))	C024300
(SET MAPS (QUOTE ((0 . 4002Q1) (-1 . 0))))	C024400
LAP2 (SET PDC (MINUS (LENGTH D)))	C024500
(SET ALIST (SET FL NIL))	C024600
(LAPDECLARE D)	C024700
(IF PDMAP (SET (CDR PDMAP) NIL))	C024800
(SET PDMIN 0)	C024900
(LAP2 (QUOTE END) 0)	C025000
K (LAP2 NIL 0)	C025100
(IF LG (GO K))	C025200

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(IF PATCH (GC R) 0025300
  ERRS (BLOCK NIL (EXCISE FDDESC) (GC ERRS)) 0025400
  (AND LAPSTCP (NQ FSEC (QUOTE RUN))) 0025500
  (SET LAPSTL (CONS (CONS FD FDDESC) LAPSTL)) 0025600
  (FTRANS (CCNS FD FDDESC))) 0025700
  R (RETURN (CCNS FNAME FSEC)) 0025800
  ERRS (SET (ERRFLG . SUPV) TRUE) (GC R))) 0025900
(LAPDECLARE (FUNCTION (LAPDECLARE NCVALUE)
  ((D SYMBOL)) 0026000
  (BLOCK ((V SYMBOL) (DT SYMBOL) (DF SYMBOL) (DL SYMBOL)) 0026100
    A (IF (NULL D) (GO EXIT)) 0026200
    (SET V (CAR D)) 0026300
    (SET D (CDR D)) 0026400
    (SET DT (CADR V)) 0026500
    (SET DF (OR (MEMBER (QUOTE FREE) (CDDR V))
      (MEMBER (QUOTE FLUID) (CDDR V)))) 0026600
    (SET DL (MEMBER (QUOTE LOC) (CDDR V))) 0026700
    (SET V (CAR V)) 0026800
    (IF (AND (ATCM V) (NOT DF)) (GC C)) 0026900
    (SET V (VNAMER V)) 0027000
    (MAKEFREE (CAR V)) 0027100
    (CDR V) (QUOTE STET) DT (IF DL (QUOTE LOC) (QUOTE VALUE))) 0027200
    (SET DF (IF DL (QUOTE (LOC)) (QUOTE (FLUID)))) 0027300
    C (LAPPUSH 1 (IF (CR DL (EQ DT (QUOTE SYMBOL))
      (NCT (ATOM DT))) 1Q 0Q)) 0027400
    (IF (EQ PDC C) (SET PDC 1)) 0027500
    (SET ALIST (CONS (CCNS V PDC DF) ALIST)) (GO A) EXIT)) 0027600
  (FUNCTION (FREEDECL SYMBOL) 0027700
    ((D SYMBOL)) 0027800
    (BLOCK ((N SYMBOL)) 0027900
      (SET N (VNAMER (CAR D))) 0028000
      (RETURN (MAKEFREE (CAR N)) 0028100
        (CDR N)
        (IF (OR (EQ (CADR D) (QUOTE FREE))
          (EQ (CADR D) (QUOTE FLUID))) (QUOTE STET) (CADR D)) 0028200
        (CADR D)
        (IF (MEMBER (QUOTE LCC) (CDDR D))
          (QUOTE LCC) (QUOTE VALUE)))))) 0028300
      (MAKEFREE (CAR N)) 0028400
      (CDR N)
      (IF (OR (EQ (CADR D) (QUOTE FREE))
        (EQ (CADR D) (QUOTE FLUID))) (QUOTE STET) (CADR D)) 0028500
        (CADR D)
        (IF (MEMBER (QUOTE LCC) (CDDR D))
          (QUOTE LCC) (QUOTE VALUE)))))) 0028600
    (FUNCTION (FCRMALIZE SYMBOL) 0028700
      ((V SYMBOL) (D SYMBOL)) 0028800
      (CONS (QUOTE FUNCTIONAL) 0028900
        V (MAPCAR D (FUNCTION ((GO2446 . GO2447) SYMBOL)) 0029000
          ((J SYMBOL))
          (IF (MEMBER (QUOTE LOC) (CDDR J))
            (LIST (FTYPER (CADR J)) (QUOTE LOC)) (FTYPER (CADR J))))))) 0029100
    (FUNCTION (VNAMER SYMBOL) 0029200
      ((N SYMBOL)) (IF (ATCM N) (CONS N SNAME) N)) 0029300
    (FUNCTION (LAPI NCVALUE) 0029400
      ((MODE SYMBOL) (PDK INTEGER)) 0029500
      (BLOCK ((EP SYMBOL) (X SYMBOL) (U SYMBOL)) 0029600
        A (IF (NULL LG)
          (GO E)
          (AND (NCT (ATCM (CAR LG))) (EQ (CAAR LG) (QUOTE DITTO)))
            (GO DITTO)) 0029700
        (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))) 0029800
        (GO A)) 0029900
      LABEL (SET U (FIND IT LABELS)) 0030000
      (IF U (LAPNIX (QUOTE (MULTIPLE LABEL)))
        (SET LABELS (CONS (CONS IT ILC) LABELS)))) 0030100
    )) 0030200
  )) 0030300
)) 0030400
)) 0030500
)) 0030600
)) 0030700
)) 0030800
)) 0030900
)) 0031000
)) 0031100
)) 0031200
)) 0031300
)) 0031400
)) 0031500

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(GO A)                                     C031600
B (SET CP (CAR IT))                      C031700
(SET X (CDR IT))                         C031800
(SET U (FINDN CP (QUOTE ((CRG . 0)
    (ENTRY . 0)
    (BEGIN . 2)
    (RETURN . 1)
    (BLOCK . 0)
    (DECLARE . 0)
    (END . 0)
    (ARGS . 0)
    (CALL . 2)
    (CALL1 . 1)
    (CALL2 . 1)
    (FLBIND . 1)
    (PLSHA. . C) (PUSHP. . 0) (PCP. . 0) (COMMENT . 0)))))) C032000
(IF (NULL L)                                C032100
(GO C)
(AND (EQ CP (QUOTE BEGIN)) ROUT) (SET U (QUOTE (BEGIN . 1)))) C032200
(SET ILC (PLUS ILC (CDR U)))               C032300
(IF (EQ CP (QUOTE CRG))
(GO CRG)
(EQ CP (QUOTE BLOCK))                     C032400
(GO BLOCK)
(EQ CP (QUOTE DECLARE))                  C032500
(GO DECLARE)
(EQ CP (QUOTE END))                      C032600
(GO END)
(EQ CP (QUOTE ARGS))                     C032700
(GO ARGS)
(EQ CP (QUOTE CALL))                     C032800
(GO CALL)
(EQ CP (QUOTE CALL2))                    C032900
(GO CALL2)
(EQ CP (QUOTE CALL1))                   C033000
(GO CALL1)
(EQ CP (QUOTE FLBIND))                  C033100
(GO FLBIND)
(EQ CP (QUOTE PUSHA.))                  C033200
(GO PUSHA.)
(EQ CP (QUOTE PUSHP.))                  C033300
(IF (NULL L)
(GO C)
(AND (EQ CP (QUOTE BEGIN)) ROUT) (SET U (QUOTE (BEGIN . 1)))) C033400
(SET ILC (PLUS ILC (CDR U)))               C033500
(IF (EQ CP (QUOTE CRG))
(GO CRG)
(EQ CP (QUOTE BLOCK))                     C033600
(GO BLOCK)
(EQ CP (QUOTE DECLARE))                  C033700
(GO DECLARE)
(EQ CP (QUOTE END))                      C033800
(GO END)
(EQ CP (QUOTE ARGS))                     C033900
(GO ARGS)
(EQ CP (QUOTE CALL))                     C034000
(GO CALL)
(EQ CP (QUOTE CALL2))                    C034100
(GO CALL2)
(EQ CP (QUOTE CALL1))                   C034200
(GO CALL1)
(EQ CP (QUOTE FLBIND))                  C034300
(GO FLBIND)
(EQ CP (QUOTE PUSHA.))                  C034400
(GO PUSHA.)
(EQ CP (QUOTE PUSHP.))                  C034500
(GO PLSHP.) (EQ CP (QUOTE POP.)) (GO POP.) C034600
(GO A)                                     C034700
C (IF (NULL X)
(GO D)
(OR (EQ (CAR X) (QUOTE PUSHP.)) (EQ (CAR X) (QUOTE PUSHA.))) C034800
(LAPPLSH1 1)                                C034900
(EQ (CAR X) (QUOTE POP.))                  C035000
(LAPPCCP1 1) (NUMADDR (CAR X)) (SET RLC (PLUS RLC 1))) C035100
(IF (AND (CDR X) (CDDR X) (NUMADDR (CADDR X))))
(SET RLC (PLUS RLC 1)))                   C035200
(GO FLBIND)                                C035300
(EQ CP (QUOTE PUSHA.))                     C035400
(GO PUSHA.)
(EQ CP (QUOTE PUSHP.))                     C035500
(GO PLSHP.) (EQ CP (QUOTE POP.)) (GO POP.) C035600
(GO A)                                     C035700
C (IF (NULL X)
(GO D)
(OR (EQ (CAR X) (QUOTE PUSHP.)) (EQ (CAR X) (QUOTE PUSHA.))) C035800
(LAPPLSH1 1)                                C035900
(EQ (CAR X) (QUOTE POP.))                  C036000
(LAPPCCP1 1) (NUMADDR (CAR X)) (SET RLC (PLUS RLC 1))) C036100
(IF (AND (CDR X) (CDDR X) (NUMADDR (CADDR X))))
(SET RLC (PLUS RLC 1)))                   C036200
(C (SET ILC (PLUS ILC 1)))
(GO A)                                     C036300
DITTC (IF (EQ (CADAR LG) 0) (GO W))
(SET LG (CCNS (LIST (QUOTE DITTC) (PLUS (CADAR LG) -1))
(CDR LG))))                           C036400
(GO V)                                     C036500
W (SET LG (CDR LG))
(GO A)                                     C036600
CRG (SET ORIGIN TRUE)                     C036700
(IF ORGMODE (SET FSIZ ILC))
(SET ORGMODE (CR (NULL X) (NULL (CAR X)))) C036800
(SET ILC (IF ORGMODE FSIZ (LAPABSADDR (CAR X)))) C036900
(IF (NULL L)
(GO C)
(AND (EQ CP (QUOTE BEGIN)) ROUT) (SET U (QUOTE (BEGIN . 1)))) C037000
(SET ILC (PLUS ILC (CDR U)))               C037100
(IF (EQ CP (QUOTE CRG))
(GO CRG)
(EQ CP (QUOTE BLOCK))                     C037200
(GO BLOCK)
(EQ CP (QUOTE DECLARE))                  C037300
(GO DECLARE)
(EQ CP (QUOTE END))                      C037400
(GO END)
(EQ CP (QUOTE ARGS))                     C037500
(GO ARGS)
(EQ CP (QUOTE CALL))                     C037600
(GO CALL)
(EQ CP (QUOTE CALL2))                    C037700
(GO CALL2)
(EQ CP (QUOTE CALL1))                   C037800
(GO CALL1)
(EQ CP (QUOTE FLBIND))                  C037900
(GO FLBIND)
(EQ CP (QUOTE PUSHA.))                  C038000
(GO PUSHA.)
(EQ CP (QUOTE PUSHP.))                  C038100
(GO PLSHP.) (EQ CP (QUOTE POP.)) (GO POP.) C038200

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(GO A)	0037900
BLOCK (BLOCK ((FL SYMBOL FLUID)) (LAP1 (QUOTE DECLARE) PDC))	0038000
(GO A)	0038100
DECLARE (LAPP0P1 (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
(LAPP0P1 (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 RCUT (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. (LAPP0P1 (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 NCVALUE))	0041500
((N INTEGER))	0041600
(BLOCK NIL (SET PDC (PLUS PDC N)) (SET PDMAX (MAX PDMAX PDC))))	0041700
(RCUTINE (LAPP0P1 NCVALUE))	0041800
((N INTEGER))	0041900
(BLOCK NIL (SET PDC (DIFFERENCE PDC N))	0042000
(SET PCMIN (MIN PDMIN PDC))))	0042100
(RCUTINE (NUMADDR BOCLEAN))	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 NCVALUE))	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 LG))	0044100

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 (SET L (CDR L)) 0044200
 M (IF (NCT (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 CRG) 0045000
 (EQ OP (QLCTE ENTRY)) 0045100
 (GO ENTRY) 0045200
 (EQ OP (QLCTE BEGIN)) 0045300
 (GO BEGIN) 0045400
 (EQ OP (QLCTE RETURN)) 0045500
 (GO RETURN) 0045600
 (EQ CP (QUOTE BLOCK)) 0045700
 (GO BLOCK) 0045800
 (EQ CP (QLCTE DECLARE)) 0045900
 (GO DECLARE) 0046000
 (EQ CP (QLCTE END)) 0046100
 (GO END) 0046200
 (EQ CP (QLCTE ARGS)) 0046300
 (GO ARGS) 0046400
 (EQ CP (QUOTE CALL)) 0046500
 (GO CALL) 0046600
 (EQ OP (QLCTE CALL1)) 0046700
 (GO CALL1) 0046800
 (EQ CP (QLCTE CALL2)) 0046900
 (GO CALL2) 0047000
 (EQ OP (QUOTE FLBIND)) 0047100
 (GO FLBIND) 0047200
 (EQ OP (QLCTE PUSHA.)) 0047300
 (GO PUSHA.) 0047400
 (EQ OP (QLCTE PUSHP.)) 0047500
 (GO PUSHP.) 0047600
 (EQ CP (QUOTE POP.)) 0047700
 (GO POP.) (EQ CP (QUOTE COMMENT)) (GO COMMENT)) 0047800
 C (SET OPV (IF (NUMBP CP) 0047900
 OP (SET U (GETFREE OP (QUOTE CPCODE))) 0048000
 (FLVAL U) (BLCK NIL (LAPNIX (QUOTE OPCODE)) (RETURN OG)))) 0048100
 (SET HM (SET RM NIL)) 0048200
 (SET TAG 0) 0048300
 (IF (NULL X) (GO D)) 0048400
 (LAPADDR (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
 (LAPADDR (CAR X) NIL) 0049400
 D (SET OPV (WORDDR CPV (SHIFT TAG 18))) 0049500
 (BPINST OPV HA HM RA RM) 0049600
 (GO P) 0049700
 DITTO (IF (EQ (CADR X) 0) (GO Q)) 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 (LAPABSADDR (CAR X))
 (RETURN HA)))) 0050200
 (GO Q) 0050300

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ENTRY (LAPABSAADDR (CADR X))	C050500
(IF (FINDN (CAR X) ENTRIES) (LAPNIX (QUOTE (ENTRY REDEFINED))))	0050600
(SET ENTRIES (CONS (CONS (CAR X) (DRIVE OCTAL HA)) ENTRIES))	0050700
(SET CT (APPEND CT (LIST (QUOTE '=) (DRIVE OCTAL HA)))))	0050800
(GO Q)	0050900
BEGIN (SET IT (QUOTE (STP 0 8)))	C051000
(IF ROLT (GC B))	0051100
(SET L (CONS (IF (LS PDMAX 25)	C051200
(QUOTE (XEC (ENTRY PDK1))))	0051300
(APPEND (QUOTE (BPX (ENTRY PDK) 8)) (LIST PDMAX))) L))	0051400
(GO B)	C051500
RETURN (SET IT (IF RCUT (QUOTE (BUC (ENTRY ROUT)))	0051600
(QUOTE (BUC (ENTRY RETURN)))))	0051700
(GO B)	C051800
BLOCK (PRINCOM CT 31)	C051900
(BLOCK ((ALIST SYMBOL FLUID ALIST) (FL SYMBOL FLUID NIL))	0052000
(LAP2 (QUOTE DECLARE) PDC))	0052100
(GO A)	C052200
DECLARE (LAPPDF (DIFFERENCE PDC PDK))	0052300
(LAPDECLARE X)	C052400
(IF (EQ MODE (QUOTE DECLARE))	0052500
(SET MODE (QUOTE END)) (LAPNIX (QUOTE (DECLARE MISPLACED))))	0052600
(PRINCOM CT 3)	C052700
(GO A)	C052800
END (IF FL (GO FLRESTS))	0052900
(NOT (EQ MCDE (QUOTE END))) (LAPNIX (QUOTE (END MISPLACED))))	0053000
(IF CT (PRINCOM CT 31))	C053100
(LAPPDF (DIFFERENCE PDC PDK))	0053200
(GO EXIT)	0053300
FLRESTS (SET L (APPEND (FLRESTS) (CONS IT L)))	0053400
(GO L)	C053500
ARGS (PRINCOM CT 31)	0053600
(BLOCK ((FL SYMBOL FLUID)) (LAP2 (QUOTE CALL) PCC))	0053700
(GO A)	C053800
CALL (IF (RCUTP (CAR X))	0053900
(BLOCK NIL (SET IT (CCNS (QUOTE CALL1) X)) (GO B)))	0054000
(SET L (CONS (QUOTE (CALL2)) L))	C054100
(GO G)	C054200
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 MCDE (QUOTE END))	C054600
(SET L (CCNS (QUOTE (END)) L))))	0054700
(IF (EQ CP (QUOTE CALL1)) (GO G))	0054800
(LAPCALL2)	C054900
(PRINCOM NIL 0)	C055000
(GO L)	C055100
G (SET IT (SLBST (CAR X) (QUOTE W) (QUOTE (BPX W (8 I) PES.))))	0055200
(GO B)	C055300
FLBIND (SET L (APPEND (IF X (FLBIND X) (QUOTE (NIL)))) L))	0055400
(GO L)	C055500
PUSHA. (LAPPUSH (CAR X) 0Q)	0055600
(GO P)	C055700
PUSHP. (LAPPUSH (CAR X) 1Q)	0055800
(GO P)	C055900
POP. (LAPPDF (CAR X))	0056000
(GO P)	C056100
COMMENT (GC P)	0056200
P (PRINCOM CT 7)	0056300
(GO A)	C056400
E (IF CT (PRINCOM CT 31))	0056500
(GO A)	0056600
E (SET IT NIL)	C056700

(IF (NULL NCDE) (GO EXIT))	C056800
(LAPNIX (QUOTE (END MISSING)))	C056900
(SET L (CONS (QUOTE (END)) L)) (GO K) EXIT))	C057000
(FLBIND (FUNCTION (FLBIND SYMBOL))	C057100
((L SYMBOL))	C057200
(BLOCK (V M U (CP OCTAL 2Q14) (N INTEGER (LENGTH L)))	C057300
(SET FL (CCNS (PLUS ILC 1) FL))	C057400
A (SET V (VNAMER (CAR L)))	C057500
(IF (NULL (SET U (FIND V ALIST))) (GO E))	C057600
(SET M (CONS (IF U (LIST (IF (EQ (CADDR U) (QUOTE LOC))	C057700
CP (PLUS CP 1Q14)) V 0 (MINUS (CADR U))))	C057800
(BLOCK NIL (LAPNIX (LIST V)) (RETURN (QUOTE (0)))) M))	C057900
B (SET CP CQ)	C058000
(IF (SET L (CDR L)) (GO A))	C058100
(RETURN (CCNS (QUOTE (BSX (ENTRY FLBIND) 3 TOP.))	C058200
(LIST (QUOTE PUSHP.) N) M))	C058300
E (LAPNIX V) (SET M (CCNS (QUOTE (0)) M)) (GO B))	C058400
(FUNCTION (FLRESTS SYMBOL))	C058500
NIL (BLOCK ((U SYMBOL))	C058600
(SET U (MAPCAR FL (FUNCTION ((G02448 . G02449) SYMBOL)	C058700
((J SYMBOL))	C058800
(SUBST J (QUOTE W))	C058900
(QUOTE (BSX (ENTRY FLREST) 7 (CRG. W))))))	C059000
(SET FL NIL) (RETURN U)))	C059100
(LAPADDR (FUNCTION (LAPADDR NOVALUE))	C059200
((X SYMBOL) (P BOCLEAN))	C059300
(BLOCK ((HR INTEGER) (U SYMBOL))	C059400
(SET HA (SET HR 0))	C059500
(SET HM NIL)	C059600
X (IF (NULL X)	C059700
(GO EXIT)	C059800
(LAPADDI X P)	C059900
(GO A)	C060000
(IDP X)	C060100
(GO B)	C060200
(ATOM X)	C060300
(BLOCK NIL (LAPNIX (LIST (QUOTE FIELD) X)) (GO EXIT))	C060400
(IDP (CDR X))	C060500
(GO V2)	C060600
(EQ (CAR X) (QUOTE NUMBER))	C060700
(GO NUMBER)	C060800
(EQ (CAR X) (QUOTE QUOTE))	C060900
(GO QLCTE)	C061000
(EQ (CAR X) (QUOTE ID))	C061100
(GO IC) (EQ (CAR X) (QUOTE LAP)) (GO LAP))	C061200
SUM (IF (NCT (LAPADDI (CAR X) P))	C061300
(LAPNIX (LIST (QUOTE SUMMAND) (CAR X))))	C061400
(IF (SET X (CDR X)) (GO SUM))	C061500
A (IF (OR CRIGIN (EQ HR 0))	C061600
(SET HM (QUOTE A))	C061700
(EQ HR 1) (SET HM (QUOTE R)) (LAPNIX (QUOTE RELOCATION)))	C061800
(GO EXIT)	C061900
B (IF (EQ X (QLCTE PUSHA.))	C062000
(LAPPUSH 1 CQ)	C062100
(EQ X (QUOTE PUSHP.))	C062200
(LAPPUSH 1 1Q) (EQ X (QUOTE PCP.)) (LAPPOP 1) (GO V1))	C062300
(IF (NCT P)	C062400
(BLOCK NIL (LAPNIX (LIST (QUOTE DECREMENT) X)) (GO EXIT)))	C062500
(SET HA (MINUS (IF (EQ X (QUOTE POP.)) (PLUS PDC 1) PDC)))	C062600
(SET HM (QUOTE A))	C062700
(SET TAG 8)	C062800
(GO EXIT)	C062900
V1 (IF (NULL (SET U (FIND X ALIST))) (GO V6) P (SET TAG 8))	C063000

V5 (SET HA (MINUS (CADR U)))	0063100
(SET HM (QLCTE 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. U))	0064100
(SET HM (QLCTE F))	0064200
(GO EXIT)	0064300
NUMBER (SET HA RLC)	0064400
(SET HM (QLCTE R))	0064500
(REMWORD (IF (FIXP (CADR X))	0064600
(I2C. (CADR X)) (R2O. (CADR X))) O NIL)	0064700
(GO EXIT)	0064800
QUOTE (SET HA (S2G. (MAKEQUOTE (CADR X))))	0064900
(SET HM (QLCTE F))	0065000
(GO EXIT)	0065100
ID (SET HA (S2C. (LAPIC (CADR X))))	0065200
(SET HM (QLCTE 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 (QLCTE (ABS ADDRESS)))) (RETURN HA)))	0066100
(FUNCTION (LAPADD1 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 (QLCTE A.))	0066700
(SET V 777621C)	0066800
(EQ X (QLCTE Z.))	0066900
(SET V 7776Q2)	0067000
(EQ X (QLCTE B.))	0067100
(SET V 777622C)	0067200
(EQ X (QLCTE L.))	0067300
(SET V 777745C)	0067400
(EQ X (QLCTE FDS.))	0067500
(SET V (PLUS PDC 1))	0067600
(EQ X (QLCTE TPC.))	0067700
(BLOCK NIL (IF P (SET TAG 8)) (SET V (MINUS PDC)))	0067800
(EQ X (QLCTE C.))	0067900
(BLOCK NIL (SET R 1) (SET V ILC))	0068000
(EQ X (QLCTE CRG.))	0068100
(SET R 1)	0068200
(ATOM X)	0068300
(RETURN NIL)	0068400
(EQ (CAR X) (QUOTE LABEL))	0068500
(BLOCK ((L SYMBOL))	0068600
(SET R 1)	0068700
(SET U (FIND (CADR X) LABELS))	0068800
(IF L (SET V (CDR U)) (LAPNIX X))	0068900
(EQ (CAR X) (QUOTE ENTRY))	0069000
(BLOCK ((L SYMBOL))	0069100
(SET U (FIND (CADR X) ENTRIES))	0069200
(IF L (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 FA V)) 0069600
(SET HR (PLUS FR R)) 0069700
(RETURN TRUE) M (SET S (NOT S)) (SET X (CADR X)) (GC 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 (PLUS TAG (IF (FIXP X)
    X (SET V (GETFREE X (QUOTE MCOCODE)))) C070500
    (FLVAL V) C070600
    (SET V (BYTMD (EXPLCODE X)))) C070700
    V (BLOCK NIL (LAPNIX (QUOTE TAG)) (RETURN QQ)))) C070800
(IF (NULL U) (GO EXIT)) C070900
(SET X (CAR U)) (SET U (CDR U)) (GO A) EXIT)) C071000
(FUNCTION (BYTMD SYMBOL) C071100
((L SYMBOL)) C071200
(BLOCK ((X SYMBOL)
    (C SYMBOL) (LF SYMBOL) (RT SYMBOL) (I INTEGER)) C071300
    (IF (OR (EQ (SET C (CAR L)) (QUOTE 'L)) (EQ C (QUOTE 'S))) C071400
        (SET L (CDR L)) (RETURN NIL)) C071500
    A (IF (NULL L) C071600
        (GO CCMP) C071700
        (SET X (FIND (CAR L)
            (QUOTE ((C . QQ)
                ('1 . 1Q)
                ('2 . 2Q)
                ('3 . 3Q) ('4 . 4Q) ('5 . 5Q) ('6 . 6Q) ('7 . 7Q)))) C071800
            (SET RT (CCNS (CDR X) RT)) C071900
            (NOT (EQ (CAR L) (QUOTE '.) )) C072000
            (RETURN NIL) (BLOCK NIL (SET LF RT) (SET RT NIL))) C072100
        (SET L (CDR L)) C072200
        (GO A) C072300
    COMP (IF (NOT RT) C072400
        (RETURN NIL) C072500
        (NOT LF) C072600
        (RETURN (APMOD QQ RT)) (NOT (EQ C (QUOTE 'S))) (GC C2)) C072700
    (SET C LF) C072800
    (SET LF RT) C072900
    (SET RT C) C073000
    C2 (IF (LS (SET I (DIFFERENCE (CAR LF) (CAR RT))) 0) C073100
        (SET I (PLUS 8 I))) C073200
        (IF (GG (LENGTH LF) (LENGTH RT)) (RETURN (APMOD I LF))) C073300
        (SET LF NIL) C073400
    B (IF (NULL RT) (RETURN (APMOD I LF))) C073500
    (SET LF (CCNS (WORDAND 7Q (PLUS I (CAR RT))) LF)) C073600
    (SET RT (CDR RT)) (GO B))) C073700
(FUNCTION (APMOD SYMBOL) C073800
((P OCTAL) (A SYMBOL)) C073900
(BLOCK ((X OCTAL)) C074000
(SET X (WORDOCR (SHIFT P 18) 377Q2)) C074100
A (IF (NULL A) (RETURN X)) C074200
(SET X (WORDXOR X (SHIFT 2Q4 (MINUS (CAR A))))) C074300
(SET A (CDR A)) (GO A))) C074400
(PDMAP (FUNCTION (LAPPUSH NOVALUE) C074500
((N INTEGER) (B OCTAL)) C074600
(BLOCK NIL (SET PDC (PLUS PDC N)) C074700
(SET PDMAP (NCCNC (NDUP N B) PDMAP))) C074800
(RCUTINE (LAPPCL NOVALUE) C074900
((N INTEGER)) C075000
0075100
0075200
0075300
0075400
0075500
0075600

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(BLOCK NIL (SET PDC (DIFFERENCE PDC N)) 075700
  (SET PEMIN (MIN PDMIN PDC)) (SET PEMAP (NOFF N PDMAP))) 075800
  (FUNCTION (LAPCALL2 NOVALUE) 075900
    NIL (BLCK ((C INTEGER)
      (M SYMBOL) (H OCTAL) (L SYMBOL) (I INTEGER))) 076000
      (SET C PDC) 076100
      (SET M PDMAP) 076200
      A (SET H OG) 076300
      (SET I 23) 076400
      B (IF (NULL M) (GO C)) 076500
      (SET H (WORDCR H (SHIFT (CAR M) I))) 076600
      (SET M (CDR M)) 076700
      (IF (EQ I 0) (GO C)) 076800
      (SET I (PLUS I -1)) 076900
      (GO B) 077000
      C (SET L (CCNS (CONS C H) L)) 077100
      (SET C (MAX (DIFFERENCE C 24) J)) 077200
      (IF (GR C PDMIN) (GO A)) 077300
      D (IF (LS (CAACR MAPS) C) (GO E)) 077400
      (SET MAPS (CDR MAPS)) 077500
      (GO D) 077600
      E (SET (CAAR MAPS) (MIN (CAAR MAPS) PDMIN)) 077700
      (SET PEMIN PDC) 077800
      F (SET I (CDAR MAPS)) 077900
      (SET M (CAR L)) 078000
      (SET L (CDR L)) 078100
      (IF (NULL L) (GO R)) 078200
      (REMWORD (SHIFT (PLUS (CAR M) 1) 24) O (QUOTE R)) 078300
      (SET MAPS (CONS (CCNS (CAR M) RLC) MAPS)) 078400
      (REMWORD (SHIFT (CDR M) 24) I (QUOTE R)) 078500
      (GO F) 078600
      R (SET MAPS (CCNS (CONS (CAR M) ILC) MAPS)) 078700
      (BPINSTR (SHIFT (CDR M) 24) I (QUOTE R)))) 078800
  (BPGEN (FUNCTION (BPINSTR NOVALUE) 078900
    ((C OCTAL) (R INTEGER) (Y SYMBOL)) (BPINST C O NIL R Y))
    (FUNCTION (BPINST NOVALUE) 079000
      ((C OCTAL) (L INTEGER) (X SYMBOL) (R INTEGER) (Y SYMBOL)) 079100
      (BLOCK ((FL SYMBOL FLUID)) 079200
        (SET C (WORDCR C (SHIFT (BPADDR L X ILC (QUOTE L)) 24) 079300
          (BPAECDR R Y ILC (QUOTE R)))) 079400
        (SET R (BPLCC ILC)) 079500
        (SET (CORE R) C) 079600
        (SET ILC (PLUS ILC 1)) 079700
        (IF ORGMODE (SET FPP (PLUS FPP 1))) 079800
        (IF OUTLAP (BLCK ((S SYMBOL) (CUTPUT OUTLAP))) 079900
          (PRINOC R 6) (BLANKS 2) (PRINCT C 16) (OUTPLT S))) 080000
        (IF FL (LAPNIX (QUOTE RELOC)))) 080100
    (RCUTINE (BPADDR OCTAL)) 080200
    ((C INTEGER) (M SYMBOL) (A INTEGER) (H SYMBOL)) 080300
    (BLOCK ((U INTEGER)) 080400
      (IF (NULL M) (RETURN OG) (EQ M (QUOTE A)) (GO R) ORIGIN (GO A)) 080500
      (SET U (PLUS (BPLCC FSIZ) (MINUS (IQUOTIENT A 24)) -1)) 080600
      (SET (CORE U)) 080700
      (WORDCR (CCRE U)) 080800
      (SHIFT (IF (EQ H (QUOTE L)) 4Q15 2Q15) 080900
        (TIMES -2 (REMAINDER A 24)))) 081000
    A (IF (EQ M (QUOTE F)) 081100
      (SET C (PLUS C -1)) 081200
      (AND (EQ M (QUOTE R)) 081300
        (OR CRIGIN (AND (NOT (LS C 0)) (LS C FSIZ)))) 081400
        (SET C (BPLCC C)) (NOT (EQ M (QUOTE S))) (SET FL TRUE)) 081500
      R (RETURN (BIT 0 18 C))) 081600
    (RCUTINE (BPLCC INTEGER)) 081700
  
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((C INTEGER))	0082000
(IF ORIGIN C FDESC (PLUS (BIT 0 18 (CORE (PLUS (S20. FDESC) -1))) -1 C) 0))	0082100
(FUNCTION (REWORD NOVALUE)	0082200
((C OCTAL) (R INTEGER) (Y SYMBOL))	0082300
(BLOCK ((ILC INTEGER FLUID RLC))	0082400
(BPINSTR C R Y) (PRINCOM NIL 0) (SET RLC (PLUS RLC 1))))	0082500
(LAPLIB (FUNCTION (NDUP SYMBOL)	0082600
((N INTEGER) (X SYMBOL))	0082700
(BLOCK ((U SYMBOL))	0082800
A (IF (EQ N 0) (RETURN U))	0082900
(SET U (CONS X U)) (SET N (PLUS N -1)) (GO A)))	0083000
(FUNCTION (LAPNIX NOVALUE)	0083100
((M SYMBOL))	0083200
(BLOCK NIL (SET ERRS TRUE)	0083300
(MESSAGE (CCNS (QUOTE UNDEFINED)	0083400
(APPEND (IF (ATOM M) (LIST M) M)	0083500
(APPEND (QUOTE (IN ITEM)) (LIST IT))))	0083600
(MESSAGE (LIST (QUOTE LOCATION)	0083700
(I20. (BPLCC ILC)) (QUOTE FUNCTION) (CONS FNAME FSEC))))))	0083800
(LAPID (ROUTINE (LAPID SYMBOL)	0083900
((X SYMBOL))	0084000
(BLOCK NIL (IF (NOT (CHARP X))	0084100
(SET (BIT 24 18 (CCRE (PLUS (S20. X) 1)))	0084200
(I20. (PLUS 1 (BIT 24 18 (CORE (PLUS (S20. X) 1)))))))	0084300
(RETURN X)))	0084400
(RCUTINE (LAPFREE SYMBOL)	0084500
((N SYMBOL) (SN SYMBOL))	0084600
(BLOCK ((U SYMBOL (GETFREE N SN)))	0084700
(IF (NULL L) (RETURN NIL))	0084800
(SET (BIT 0 18 (CCRE (S20. U)))	0084900
(I20. (PLUS 1 (BIT 0 18 (CORE (S20. U)))))) (RETURN U)))	0085000
(FUNCTION ((LAPGC . SYS) SYMBOL)	0085100
NIL (BLOCK ((X SYMBOL (MAPCAR LAPSTL FTRANS)))	0085200
(SET LAPSTL NIL) (RETURN X)))	0085300
(FUNCTION (PRINCOM NOVALUE)	0085400
((M SYMBOL) (I INTEGER))	0085500
(BLOCK NIL (IF CUTLAP (BLOCK ((S SYMBOL (OUTPUT CUTLAP)))	0085600
(BLANKS I) (IF M (PRINT M) (ENDOUT) (OUTPUT S))))))	0085700
(FUNCTION (BLANKS NOVALUE)	0085800
((I INTEGER))	0085900
(BLOCK NIL (FCR I (STEP I -1 EQ 0) (PRINCH (QUOTE ')))))	0086000
(FUNCTION (PRINOCF NOVALUE)	0086100
((C OCTAL) (I INTEGER))	0086200
(BLOCK NIL (FCR I (STEP I -1 EQ 0)	0086300
(PRINTOKEN (O2I. (BIT 0 3 (SHIFT C (TIMES -3 (PLUS I -1))))))))	0086400
(INDEXER DEFINE (((INDEXER (LAMBDA (N L)	0086500
(TEDFILER (CCNS N (MAPCON L (FUNCTION (LAMBDA (J)	0086600
(MAPCCN (TEDSEEKER (CAR J)))	0086700
(FUNCTION (LAMBDA (J)	0086800
(CCND ((CR (ATOM (CAR J))	0086900
(NOT (MEMBER (CAAR J)	0087000
(QUOTE (SECTION RCUTINE FUNCTION)))))) NIL)	0087100
(T (LIST (CCNS (CAAR J)	0087200
(CCNS (CADAR J)	0087300
(CCND ((NULL (CEDAR J)) NIL)	0087400
(T (LIST (CADDR J)))))))))))))))))))))))	0087500
)))))))))))))))))))))))))))))))))))	0087600

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(PCSTCOMP (SECTION LAP SYMBOL))	C000100
(DECLARE (ENTRIES SYMBOL OWN ENTRIES))	C000200
(SECTION SYS OCTAL)	C000300
(DECLARE (FPC CWN FPU))	C000400
(FPP OWN FPP)	C000500
(CHO OWN CHC)	C000600
(TRO OWN TRC)	C000700
(TRP OWN TRP)	C000800
(TRM OWN TRM)	C000900
(BPO OWN BPC)	C001000
(BPP OWN BPP)	C001100
(ARO OWN ARC)	C001200
(ARP OWN ARP)	C001300
(LSP OWN LSP)	C001400
(LSO OWN LSC)	C001500
(CBLIST (ARRAY SYMBOL))	C001600
CWN (CCNS (QUOTE *SYMBOL))	C001700
(MAPCAR CBLIST (FUNCTION (LAMBDA (J))	C001800
(CCND ((NULL (CDR J)) NIL)	C001900
((MEMBER (CAAR J) (QUOTE (TRUE FALSE))))	C002000
(LIST (QUOTE *IDENTIFIER) (CAAR J))) (T (CAAR J))))))))	C002100
(CBLSIZ INTEGER OWN CBLSIZ) (TRL CWN))	C002200

****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
(TERGO SYMBOL FLUID)	0001300
(ALIST SYMBOL FLUID)	0001400
(APLIST SYMBOL FLUID)	0001500
(IRLIST SYMBOL FLUID)	0001600
(GOLIST SYMBOL FLUID)	0001700
(LABELS SYMBOL FLUID)	0001800
(EXP SYMBOL FLUID)	0001900
(TERMINES SYMBOL FLUID)	0002000
(LISTING SYMBOL FLUID)	0002100
(REMOTES SYMBOL FLUID)	0002200
(REFLIST SYMBOL FLUID)	0002300
(FNAME SYMBOL FLUID)	0002400
(FTYPE SYMBOL FLUID)	0002500
(VCLASS SYMBOL FLUID)	0002600
(VTYPE SYMBOL FLUID)	0002700
(VREG SYMBOL FLUID)	0002800
(VADDR SYMBOL FLUID)	0002900
(VIND SYMBOL FLUID)	0003000
(VINV SYMBOL FLUID)	0003100
(VBYTE SYMBOL FLUID)	0003200
(VBLT SYMBOL FLUID)	0003300
(XTYPE SYMBOL FLUID)	0003400
(XREG SYMBOL FLUID)	0003500
(XLOC SYMBOL FLUID)	0003600
(XBYTE SYMBOL FLUID)	0003700
(DV SYMBOL FLUID)	0003800
(DT SYMBOL FLUID)	0003900
(DM SYMBOL FLUID)	0004000
(DF SYMBOL FLUID)	0004100
(DL SYMBOL FLUID)	0004200
(DI SYMBOL FLUID)	0004300
(FTLIST SYMBOL FLUID)	0004400
(CRGROUP 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 VADDR (GENID))	0005000
(SET VCLASS (QUOTE LOC))	0005100
(SET VTYPE (QUOTE SYMBOL))	0005200
(RETURN (SLPCTY (APPEND (QUOTE (ERROR.. IN FUNC))	0005300
(List FNAME J))))))	0005400
(FUNCTION ((DEBUGGING . 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 (ATTACHFGO SYMBOL))	0005900
((L SYMBOL))	0006000
(BLOCK NIL (IF (LASTBRANCH) (RETURN NIL)))	0006100
(ATTACH (LIST (QUOTE BUC) (LABELER L)))	0006200
(IF (NOT (MEMBER L LABELS))	0006300

(SET GOLIST (CONS (CONS (QUOTE GO) LISTING) GOLIST)))))	C006400
(FUNCTION (ATTACHLAB SYMBOL)	C006500
((L SYMBOL)) (BLOCK NIL (ATTACH L) (SET LABELS (CONS L LABELS))))	0006600
(FUNCTION (REMCTE SYMBOL)	0006700
((L SYMBOL)) (SET REMOTES (CONS L REMOTES)))	C006800
(FUNCTION (BLCTTC SYMBOL)	C006900
NIL (SET VBLCT (QUOTE (AC L B X1 X2 X3 X4))))	C007000
(FUNCTION (BLCTCH SYMBOL)	C007100
((X SYMBOL))	C007200
(IF (MEMBER X VBLCT) NIL (SET VBLCT (CONS X VBLCT))))	C007300
(FUNCTION (UNION SYMBOL)	0007400
((A SYMBOL) (B SYMBOL))	C007500
(BLOCK NIL L (IF (NULL B)	C007600
(RETURN A) (NCT (MEMBER (CAR B) A)) (SET A (CONS (CAR B) A)))	C007700
(SET B (CDR B)) (GO L)))	C007800
(FUNCTION (FVTYPE SYMBOL)	C007900
((X SYMBOL))	C008000
(IF (NUMBP X)	C008100
(IF (FIXP X)	C008200
(IF (EQUALN X (WORDCR X 0Q)) (QUOTE OCTAL) (QUOTE INTEGER))	C008300
(QUOTE REAL))	C008400
(MEMBER X (QUOTE (TRUE FALSE NIL)))	C008500
(QUOTE BCOLEAN) (QUOTE SYMBOL)))	C008600
(FUNCTION (LABELER SYMBOL) ((X SYMBOL)) (LIST (QUOTE LABEL) X))	0008700
(FUNCTION (GETN SYMBOL)	0008800
((L SYMBOL) (P SYMBOL))	C008900
(BLOCK NIL A (IF (NULL L)	C009000
(RETURN L) (EQUALN (CAR L) P) (RETURN (CADR L)))	C009100
(SET L (CDR L)) (GO A)))	C009200
(FUNCTION (ITYPE SYMBOL)	C009300
((J SYMBOL))	C009400
(IF (EQN J (QUOTE NUMBER))	C009500
C.0 (EQN J (QUOTE OCTAL))	C009600
CQ (EQN J (QUOTE INTEGER))	C009700
C (EQN J (QUOTE REAL))	C009800
C.0 (EQN J (QUOTE FUNCTIONAL)) (QUOTE (FMTRAP . SYS)) NIL)))	C009900
(TCP1 (FUNCTION (GENID2 SYMBOL) NIL (GENID))	C010000
(DECLARE (INST1 SYMBOL FLUID)	C010100
(INST2 SYMBOL FLUID) (INST3 SYMBOL FLUID))	C010200
(FUNCTION (NEXLST SYMBOL)	C010300
NIL (BLOCK ((X SYMBOL))	C010400
(RETURN (IF (CDDR LISTING)	C010500
(IF (SET X (CAR LISTING))	C010600
(BLOCK NIL (SET LISTING (CDR LISTING)) (RETURN X))	C010700
(BLOCK NIL (SET LISTING (CDR LISTING))	C010800
(RETURN (NEXLST)))) NIL))))	C010900
(FUNCTION (REVLST SYMBOL)	C011000
NIL (BLOCK ((INST1 SYMBOL)	C011100
(INST2 SYMBOL) (INST3 SYMBOL) (LST SYMBOL))	C011200
(SET INST1 (CAR LISTING))	C011300
(SET INST2 (CADR LISTING))	C011400
(SET INST3 (CADDR LISTING))	C011500
(SET LISTING (CDDR LISTING))	C011600
A (OR (REVACR) (REVBUC) (REVLD) (REVSTZ) (REVWRD) (REVZER))	C011700
(IF INST1 (SET LST (CONS INST1 LST))))	C011800
(SET INST1 INST2)	C011900
(SET INST2 INST3)	C012000
(IF (SET INST3 (NEXLST)) (GO A))	C012100
(RETURN (NCCNC (NCNC (REVERSE LISTING)	C012200
(LIST INST2 INST1)) LST))))	C012300
(FUNCTION (REVTST BCOLEAN)	C012400
((A SYMBOL) (B SYMBOL))	C012500
(AND (SIM (QUOTE (STF . S.)) A)	C012600

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(SIM (QUOTE (LCA . S.)) B) (EQ (CDR A) (CDR B))) CO12700
(FUNCTION (ACRTST BOOLEAN)
((L SYMBOL))
(CR (SIM (QUOTE (CR. ((NUMBER 1) S) (1 (L567.7 R S)))) L)
(BLOCK NIL (SET VINV (NOT VINV)))
(SIM (QUOTE (CR. ((NUMBER -1) S) (-1 (L567.7 R S)))) L)))
(FUNCTION (REVZER BOOLEAN)
NIL (IF (SIM (QUOTE (XOR (NUMBER (OR. 0Q 7777777777777777C)))) 0013400
INST1)
(BLOCK NIL (IF (EQUALN (CADADR INST1) 0Q)
(GO X)
(IF (SIM (QUOTE ((CR. LDA LDC) . S.)) INST2)
(BLOCK NIL (SET INST2 (CONS (CDR (FINDN (CAR INST2)
(QUOTE ((LDA . LDC) (LDC . LDA)))) (CDR INST2)))
X (SET INST1 NIL)) (SET INST1 (QUOTE (LDC A.)))))
(RETURN TRUE)) FALSE))
(0013500
FUNCTION (REVSTZ BOOLEAN)
NIL (IF (NOT (SIM (QUOTE (BUC (LABEL ID.))) INST1))
NIL (EQ (QUOTE (STZ A.)) INST2)
(REVENT (QUOTE (ENTRY STZENT)))
(SIM (QUOTE (LCA 1 ((OR. L4567.7 L567.7) R))) INST2)
(0014600
(REVENT (QUOTE (ENTRY CNENT))) NIL))
(0014700
FUNCTION (REVENT BOOLEAN)
((X SYMBOL))
(BLOCK NIL (SET INST2 (LIST (QUOTE BSX) X 4 (CADR INST1)))
(SET INST1 NIL) (RETURN TRUE)))
(0015200
FUNCTION (REVAOR BOOLEAN)
NIL (BLOCK ((VINV SYMBOL))
(IF (AND (NOT (ATOM INST2))
(CDR INST2)
(0015500
(RevTST INST1 INST3)
(AURTST (CDR INST2))
(OR (EQN (CAR INST2) (QUOTE ADD))
(AND (EQN (CAR INST2) (QUOTE SUB))
(BLOCK NIL (SET VINV (NOT VINV)) (RETURN TRUE))))))
(0015600
(BLOCK NIL (SET INST1 (SET INST2 NIL))
(SET INST3 (CONS (IF VINV (QUOTE SOR) (QUOTE AOR))
(CDR INST3)) (RETURN TRUE))))))
(0015700
FUNCTION (REVBUC BOOLEAN)
NIL (AND (SIM (QUOTE (BUC (LABEL ID.))) INST2)
(EQN (CADADR INST2) INST1)
(BLOCK NIL (SET INST2 INST1) (SET INST1 NIL) (RETURN TRUE)))
(0016800
FUNCTION (REVLDA BOOLEAN)
NIL (AND (CR (RevTST INST1 INST2) (RevTST INST2 INST1))
(BLOCK NIL (SET INST1 NIL) (RETURN TRUE)))
(0017100
FUNCTION (REVWRD BOOLEAN)
NIL (BLOCK NIL (IF (AND (SIM (QUOTE ((OR. ANA ORA XOR) N. L.))
INST1) (MEMBER (QUOTE R) (CADDR INST1)))
(SET INST1 (LIST (CAR INST1)
(LIST (QUOTE NUMBER) (CADR INST1)))) (RETURN NIL)))
(0017300
DECL (FUNCTION (FUNCTIC SYMBOL)
((EXP SYMBOL))
(BLOCK ((FN SYMBOL (FNAMER)))
(0017800
(0017900
(0018000
(FNAME SYMBOL (CAR FN))
(FTYPE SYMBOL (CADR FN)) (EXPR SYMBOL (CADDR EXP)))
(0018100
(0018200
(0018300
(0018400
(0018500
(0018600
(0018700
(0018800
(0018900

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(REMOTES SYMBOL) (REFLIST SYMBOL) (VBLOT 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))	0019800
(IF FCRG (BLOCK NIL (SET (CDR ORGP) (CCNS (CAR CRGP) (CDR CRGP))) (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))))	0020700
(RETURN (BLOCK ((LISTING SYMBOL) (ALIST SYMBOL) (REFLIST SYMBOL) (FTLIST SYMBOL) (CRGP SYMBOL) (VBLOT SYMBOL)))	0020800
(FNBIND))	0020900
(MAKEFREE (CAR FNAME))	0021000
(CDR FNAME))	0021100
(CAR EXP))	0021200
(CONS (QUOTE FUNCTIONAL) (CADR FNA) (REVERSE FTLIST)) (QUOTE VALUE)) (RETURN FNAME))))))	0021300
(FUNCTION (MAKEFREE . COMPIL))	0021400
((A B C D E) ((KEEPER . SUPV) ((MAKEFREE . SYS) A B C D E)))	0021500
((FUNCTION DECL1 (J))	0021600
(BLOCK ((DV FLUID) (DT FLUID) (DF FLUID) (DL FLUID) (DM FLUID) K))	0021700
(IF (NULL (SET K (ORDER J))))	0021800
(RETURN NIL))	0021900
(EQ DF (QUOTE LEXICAL))	0022000
(GO ERR))	0022100
(MEMBER K (QUOTE (NORMAL OWN))))	0022200
(BLOCK NIL (MAKEFREE (GETVAR DV)) (GETSEC DV) (IF DF DF (QUOTE FREE)) (GETTYPE DT) (GETLCC DL))	0022300
(IF (AND (EQ PASS 2) DI))	0022400
(EVAL (LIST (QUOTE SET) DV (CAR DI)))) (RETURN DV))	0022500
(EQ K (QUOTE MEANS))	0022600
(BLOCK ((X (BLOCK ((DV FLUID DI) (REFLIST FLUID)) (IF (GETGLB DV) (RETURN DV))))	0022700
(RETURNS (IF (NOT X) (CCMER2 J (QUOTE (NO PRIOR DECLARATION))))	0022800
(BLOCK NIL (IF (EQ DM (SET DV (CONS (GETVAR DV) (GETSEC DV)))) (SET X DM)) (MAKEFREE (CAR DV) (CDR DV) (QUOTE MEANS) (CAR X) (CDR X)) (RETURNS DV))))))	0022900
(LABEL ERR (CCMER2 J (QUOTE (ILLEGAL TOP DECLARATION)))))))	0023000
(FUNCTION FVLIS1 (X))	0023100
((BLOCK ((J (FVLIST X))))	0023200
(RETURNS (IF (MEMBER (CAR J) (QUOTE (MACRO INSTRUCTIONS))) (LIST (CAR J) (CADR J) X) J))))	0023300
(FUNCTION (GETSEC SYMBOL))	0023400
((V SYMBOL))	0023500
(IF (ATOM V) SNAME (SIM (QUOTE (ID. . ID.)) V) (CDR V) SNAME))	0023600
(FUNCTION (GETVAR SYMBOL) ((V SYMBOL)) (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))                               C025300
  (COMER2 TYP (QUOTE (INVALID DEFAULT TYPE))))                  C025400
  (RETURN (CCNS (SET SNAME (CAR (SET SLIST (IF (MEMBER (QUOTE LISP) C025500
    (IF (ATOM N) (SET N (LIST N)) N))
      N (APPEND N (QUOTE (LISP))))))) (SET STYPE TYP))))))      C025600
  (FUNCTION (ANYVARS SYMBOL)                                     C025700
    ((D SYMBOL))
    (NOT (SIM (QUOTE ((C. 0 1000 (ID. SWITCH . S.)))) D)))      C025800
  (FUNCTION (GETLEX SYMBOL)                                     C025900
    ((V SYMBOL))
  (BLOCK ((A SYMBOL))
    (IF (NULL (SET A (FIND V ALIST))) (GO L)))
    (SET DV V)
    (RETURN (CCNS (QUOTE LEXICAL) (CDR A)))                      C026000
    L (IF (NULL (SET A (FIND V APLIST))) (RETURN NIL))
    (SET DV V)
    (RETURN (CCNS (QUOTE LEXICAL)
      (IF (MEMBER A IRLIST)
        (LIST (CADR A) (QUOTE LOC))
        (BLOCK NIL (SET IRLIST (CONS A IRLIST))
          (RETURN (CDR A)))))))                                     C026100
  (FUNCTION (GETGLB SYMBOL)                                     C026200
    ((V SYMBOL))
  (IF (NOT (ATOM V))
    (GETDEC (CAR V) (CDR V))                                    C026300
    (BLOCK ((SLIST SYMBOL SLIST)))
    (RETURN (BLOCK ((A SYMBOL))
      L (IF (NULL SLIST)
        (IF (AND (EQ (02S. (BIT 24 18 (CORE (S20. V)))) V)
          (EQ (02S. (BIT 0 18 (CORE (PLUS 1 (BIT 24 18 (CORE (S20. V) C026400
            )))))) V))
        (BLOCK (ERRFLG)
          (COMMERR (APPEND (QUOTE (WILL USE DECLARATION FOR))
            (LIST (CONS V (SET A (C2S. (BIT 24 18 (CORE (BIT 24 18 C026500
              (CORE (S20. V))))))))))) (RETURN (GETDEC V A)))
          (RETURN NIL)) (SET A (GETDEC V (CAR SLIST))) (RETURN A))
        (SET SLIST (CDR SLIST)) (GO L)))))))                                C026600
  (FUNCTION (GETFRV SYMBOL)                                     C026700
    ((V SYMBOL))
  (BLOCK ((A SYMBOL (IF (ATOM V) (GETLEX V) NIL)))
    (RETURN (IF A A (GETGLB V)))))                                C026800
  (FUNCTION (GETDEC SYMBOL)                                     C026900
    ((V SYMBOL) (S SYMBOL))
  (BLOCK ((A SYMBOL))
    (IF (SET A (GETDC V S)) (ADREF A)) (RETURN A)))
  (FUNCTION (GETDC SYMBOL)                                     C027000
    ((V SYMBOL) (S SYMBOL))
  (BLOCK ((A SYMBOL))
    (RETURN (IF (NULL (SET A (FVLISI (GETFREE V S)))) C027100
      (IF (AND (EQN S (QUOTE LISP))
        (SIM (QUOTE (C (C. 1 10000 (CR. A D)) R))
          (SET A (EXPLODE V)))) (LIST (QUOTE MACRO) NIL A) NIL)
      (EQN (CAR A) (QUOTE MEANS)))
      (BLOCK NIL (IF (NOT DM) (SET DM (CONS V S)))
        (RETURN (GETDC (CADR A) (CADDR A)))))
      (BLOCK NIL (SET DV (CONS V S)) (RETURN A))))))           C027200
  (FUNCTION (ADREF SYMBOL)                                     C027300
    ((A SYMBOL))
  (BLOCK NIL (IF (AND (NOT (MEMBER (CAR A)
    (QUOTE (INSTRUCTIONS MACRO)))) (NOT (FIND DV REFLIST)))
    (SET REFLIST (CONS (CONS DV A) REFLIST))))))             C027400
  (FUNCTION (FBIND SYMBOL)                                     C027500
  NIL (BLOCK ((VADDR SYMBOL) (VCLASS SYMBOL) (VTYPE SYMBOL))) C027600

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(RETURN (BIND (CADR EXP))	0031600
(FUNARG NOVALUE ((X SYMBOL))	0031700
(BLOCK NIL (SET CRGP (ATTACH X))	0031800
(IF X (ATTACH (QUOTE (STF TCP.))))	0031900
(ATTACH (QUOTE (BEGIN)))))	0032000
(FUNARG SYMBOL ((X SYMBOL))	0032100
(BLOCK NIL (IF (NOT (EQN X (QUOTE NORMAL)))	0032200
(GO ER2) CI (GO ER1))	0032300
(SET FTLIST (CONS (IF (EQN DL (QUOTE LCC))	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 SYMBOL))	0032900
NIL (BLOCK ((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 SYMBOL ((X SYMBOL))	0033500
(BLOCK ((Y SYMBOL) (Z SYMBOL))	0033600
(IF (AND (EQN DL (QUOTE LCC)) (NULL DI))	0033700
(SET X (QUOTE (LOC WITHCUT 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 SYMBOL) Z)) (RETURN X))))	0035200
(RETURN (IF ANY P TRUE))))	0035300
(FUNCTION (BIND SYMBOL))	0035400
((L SYMBOL)	0035500
(F1 (FUNCTIONAL NOVALUE SYMBOL))	0035600
(F2 (FUNCTIONAL SYMBOL SYMBOL)))	0035700
(BLOCK ((A SYMBOL))	0035800
(H SYMBOL)	0035900
(FL SYMBOL)	0036000
(TEMP SYMBOL)	0036100
(X SYMBOL)	0036200
(Y SYMBOL)	0036300
(DV SYMBOL) (DT 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
(GENDTCL)	0037800

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

(GO LESS1)	0044200
MEANS (IF (SIM (QUOTE (MEANS V.)) L) (GO COMMON))	0044300
ERROR (COMER2 (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 (ATOM 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 (CCNS (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
(PCCLASS 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 (CCNS LISTING TERMINS))))	0048100
(FUNCTION (COMSTAT 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 (COMVAL SYMBOL))	0049000
((X SYMBOL) (XTYPE SYMBOL) (XLOC SYMBOL) (XREG SYMBOL))	0049100
(BLOCK ((SCLASS SYMBOL))	0049200
(PCCLASS 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 XLOC) (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 ((SCLASS SYMBOL)	0050800
(PCCLASS 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 (NO TYPES FOR LOC ARG))))	0051900
(MAKELOC) (SET XTYPE VTYPE) GO1569))	0052000
(MOVPD S (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 (CCMTERMIN S SYMBOL)	0053000
NIL (BLOCK ((W SYMBOL) (X SYMBOL))	0053100
(IF (NULL (SET W TERMIN S))	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 TERMIN S)	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 (QLCTE 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 (NC DEC YET))))	0056700

(EQN (CAR D) (QUOTE INSTRUCTIONS))	0056800
(BLOCK ((Y (FUNCTIONAL SYMBOL)))	0056900
(SET Y (CADR D)) (RETURN (Y)))	0057000
(EQN (CAR D) (QUOTE MACRO))	0057100
(IF (NOT (ATOM (CADR D)))	0057200
(CCMEXP (MAKECARCDR (CDADDR D)))	0057300
(BLOCK ((Z (FUNCTIONAL SYMBOL SYMBOL)))	0057400
(SET Z (CADR D)) (RETURN (COMEXP (Z EXP))))	0057500
(ATYPEP (CAER D))	0057600
(COMSUB D)	0057700
(AND FKIND (NOT (EQN (CAR D) (QUOTE ROUTINE))))	0057800
(COMER2 DV (QUOTE (USED IN ROUTINE)))	0057900
(FUNTYP (CAER 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 (COMLOCK 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 RUTINE)))	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 (CCCADDR 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
(BLDTTC)	0060800
(IF (EQN (SET VTYPE (CADADR DECL)) (QUOTE NOVALUE))	0060900
(BLOCK NIL (SET VTYPE (QUOTE BOOLEAN)))	0061000
(SET VCLASS (QUOTE DATUM)) GO1571)	0061100
(BLOCK NIL (SET VCLASS (QUOTE ACTIVE))	0061200
(SET VREG (QUOTE AC)) GO1572)))	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 (OR (EQN (CADR 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
(BLDTCH (SET VREG (QUOTE AC)))	0062700
(SET VCLASS (QUOTE ACTIVE))	0062800
L (RETURN (SET VTYPE (FTYPER (CADR 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) (CADAR 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 LCC))	0064100
(SET VTYPE (CADAR C)) (SET VREG (QUOTE AC)) (SET VADDR D)))	0064200
(FUNCTION (MAKIND SYMBOL))	0064300
((D SYMBOL))	0064400
(IF (OR (EQN (CADDR C) (QUOTE LCC))	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 (CCMERR (QUOTE (BAD CRG))))	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
(CCMERR (QUOTE (BAD IF))))	0066200
SCCLASS (IFST EXP X0))	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 TGC (GENID)))	0066900
(SET FG (IF FGC FGC (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 (CDR X))	0068000
(GO A)	0068100
NC (COMPACT (CAR X) TGC FGC)	0068200
(GO R)	0068300
N (IF GEN (CALERR))	0068400
R (IF (NOT TGC) (ATTACHLAB TG) (NOT FGC) (ATTACHLAB FG))))	0068500
(FUNCTION (IFST SYMBOL))	0068600
((EXP SYMBOL) (NAME SYMBOL))	0068700
(BLOCK ((GEN SYMBOL) (XGC SYMBOL) (Z SYMBOL))	0068800
(SET XGC 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
B (COMPRED (CAR EXP) (CADADR EXP) NIL)	0071200
(GO I)	0071300
L1 (COMSTAT (CAR EXP))	0071400
E (IF (AND XGO (NCT NAME)) (ATTACHLAB XGO)))	0071500
(FUNCTION (IFEXPT SYMBOL))	0071600
((X SYMBOL))	0071700
(BLOCK ((GEN SYMBOL))	0071800
A (IF (NULL (CCR 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) (GC 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 (CONGOES (QUOTE TRUE)))	0073900
(COMER2 (QUOTE (UNDEFINED LABELS)) X)))	0074000
(FUNCTION (IFGC SYMBOL) ((X SYMBOL)) (SIM (QUOTE (GO ID.)) X))	0074100
(FUNCTION (CCMPRED SYMBOL))	0074200
((X SYMBOL) (TG SYMBOL) (FG SYMBOL))	0074300
(BLOCK ((SCLASS SYMBOL) (PCLASS SYMBOL) (XTYPE SYMBOL))	0074400
(SET PCLASS (QLCTE 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 BCLEAN))	0075300
(COMEXP X)	0075400
(IF (EQN 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 ECLEAN))) (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 ((FGC (BOZP) (BNZP))))))	0076700
P (IF (AND TGO FGC (NOT (LASTBRANCH)))	0076800
(BRANCHER (QUOTE ((TGC (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 F) (IF MODE NIL I) (IF MODE I NIL))	0078100
(SET H (CDR F))	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) (DGC 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 (CAADDR B) (QUOTE (TGO FGO))) (SET B (CDER 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 DGC (GENID)) DGO)	0080700
(CDDR B) (BLOCK NIL (SET B (CDR B)) (RETURN Z2)) NIL))	0080800
(IF (NOT Z) (GC A))	0080900
(SET X (CONS (CAADDR 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 ADDR)))	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 (CR SCLASS (NOT PCLASS)) (RETURN (MAKEPRED)))	0082400
(SET J TGO) (SET TGC 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) NOVALUE) NIL (NOTF))	0083200
(INSTRUCTIONS ((QUOTE . LISP) NOVALUE)	0083300
NIL (BLCK NIL (IF (CCMLCK 2) (RETURN NIL)))	0083400
(SET VCLASS (QUOTE DATUM))	0083500
(SET VTYPE (FVTYPER (SET VADDR (CADR EXP))))))	0083600
(BRANCH (INSTRUCTIONS ((GO . LISP) NOVALUE)	0083700
NIL (BLCK ((A SYMBOL))	0083800
(IF (CR (NOT 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 (CAAER EXP))	0084400
(COMVAL (CACADR 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) TERMINATE)	0085000
NIL (BLOCK ((SCCLASS SYMBOL))	0085100
(IF PCLASS (RETURN (CCMPACT (CADR EXP) TGC FGO)))	0085200
(COMTERM (CADR EXP))	0085300
(IF (NOT (LASTBRANCH)) (ATTACHGC TERGO))))	0085400
(INSTRUCTIONS ((LABEL . LISP) NOVALUE)	0085500
NIL (BLCK NIL (IF (CCMLCK 3))	0085600
(RETURN NIL))	0085700
(AND (IDP (CADR EXP)) (OR SCLASS PCLASS))	0085800
(ATTACHLAB (CADR EXP)) (COMER2 (CADR EXP) (QUOTE (BAD LABEL))))	0085900
(COMEXP (CADR EXP))))	0086000
(FUNCTION (CCMSWITCH SYMBOL)	0086100
((L SYMBOL) (V SYMBOL))	0086200
(BLOCK NIL (REMCTE V))	0086300
(REMCTE (LIST (QUOTE BUC) (LIST (QUOTE LABEL) V) (QUOTE A))))	0086400
A (IF (NULL L) (GO B))	0086500
(REMCTE (LIST (QUOTE BUC) (LABELER (CAR L)))))	0086600
(SET GOLIST (CCNS (CONS (QUOTE CC) REMCTES) GOLIST))	0086700
(SET L (CDR L)) (GO A) B (SET LABELS (CONS V LABELS))))	0086800
(FUNCTION (CCNGOES 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 GOLIST))) LABELS))	0087500
(SET L (CCNS (CAR GOLIST) L)))	0087600
(SET GOLIST (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 (QLCTE (END))) 0088800
 (ATTACH (QLCTE (BUC 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))
    (GO H) (SET G2 (GOMEMBER Y GOLIST)) (GO P)) 0089400
 (SET G2 (LABELER (GENID))) 0089500
 (REMOTE (CADR G2)) 0089600
 (REMCTE Y) 0089700
 (SET GOLIST (CCNS (CONS (QUOTE DECR) REMOTES) GOLIST)) 0089800
 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
 Q (SET L (CDR L)) (GC C)) 0090400
 (FUNCTION (LASTBRANCH SYMBOL)) 0090500
 NIL (AND (NCT (ATOM (CAR LISTING)))
           (MEMBER (CAAR LISTING) (QUOTE (BUC BSX BAX))))) 0090600
 (FUNCTION (GEGET SYMBCL)) 0090800
 ((L SYMBOL))
 (BLOCK ((X SYMBCL) (Y SYMBOL)))
 (SET X (CAR L)) 0091100
 (SET Y (CDADR L)) 0091200
 (RETURN (IF (EQN X (QUOTE GO))
              Y (EQN X (QUOTE ADDR)) Y (EQN X (QUOTE DECR)) (CDDR Y) NIL))) 0091300
 (0091400
 (FUNCTION (GCMEMBER SYMBCL)) 0091500
 ((X SYMBCL) (L SYMBCL))
 (BLOCK ((P SYMBCL))
 A (IF (NULL L) (RETURN NIL)) 0091600
 (SET P (CDAR L)) 0091700
 (IF (NCT (EQ (CAR P) X)) (GO B) (ATOM (CADR P)) (GO R)) 0091800
 (SET (CDR P) (CONS (GENID) (CDR P))) 0091900
 R (RETURN (LABELER (CADR P))) B (SET L (CDR L)) (GO A))) 0092000
 (CCMPARE (INSTRUCTIONS ((EQN . LISP) NOVALUE)) 0092200
 NIL (IF (COMLCK 3) 0092300
 NIL (OR SCLASS (NCT PCLASS)) 0092400
 (MAKEPRED) 0092500
 (BLOCK ((A SYMBCL) (B SYMBOL))
        (SET A (CCMTOF (QUOTE SYMBOL) (CADR EXP))) 0092600
        (SET B (CCMTOF (QUOTE SYMBOL) (CACDR EXP))) 0092700
        (IF (AND (EQN (GVCLAS A) (QUOTE DATUM)) (IDP (GVADDR A)))
            (EQBXE A B)
            (AND (EQN (GVCLAS B) (QUOTE DATUM)) (IDP (GVACDR B)))
            (EQBXE B A) (EQXCR (LIST A B NIL)))))) 0092800
 (INSTRUCTIONS ((EQ . LISP) NOVALUE) NIL (EQHLP (QUOTE EQUAL.))) 0092900
 (INSTRUCTIONS ((EQUALN . LISP) NOVALUE)) 0093000
 NIL (EQHLP (QUOTE EQUALN.))) 0093100
 (INSTRUCTIONS ((NQ . LISP) NOVALUE)) 0093200
 NIL (COMEXP (LIST (QUOTE NOT) (CCNS (QUOTE EQUAL) (CDR EXP)))))) 0093300
 (INSTRUCTIONS ((LS . LISP) NOVALUE)) 0093400
 NIL (COMREL (QUOTE ((FGC (BCZ)) (FGC (BOP) (BOM))))) 0093500
 (INSTRUCTIONS ((GR . LISP) NOVALUE)) 0093600
 NIL (COMREL (QUOTE ((FGC (BCZ)) (FGC (BOM) (BOP))))) 0093700
 (INSTRUCTIONS ((LQ . LISP) NOVALUE)) 0093800
 NIL (COMREL (QUOTE ((TGC (BOZ)) (FGC (BOP) (BOM))))) 0093900
 (INSTRUCTIONS ((GQ . LISP) NOVALUE)) 0094000
 NIL (COMREL (QUOTE ((TGC (BOZ)) (FGC (BOP) (BOM))))) 0094100
 (INSTRUCTIONS ((GQ . LISP) NOVALUE)) 0094200
 NIL (COMREL (QUOTE ((TGC (BOZ)) (FGC (BOP) (BOM))))) 0094300
 (INSTRUCTIONS ((GQ . LISP) NOVALUE)) 0094400
 NIL (COMREL (QUOTE ((TGC (BOZ)) (FGC (BOP) (BOM))))) 0094500

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NIL (COMREL (QUOTE ((FGC (BOZ)) (FGC (BOM) (BOP))))))	0094600
(MACRO ((EQUAL . LISP) SYMBOL))	0094700
((X SYMBOL) (CCNS (QUOTE EQ) (CDR X)))	0094800
(FUNCTION (COMGLITCH SYMBOL))	0094900
((L SYMBOL))	0095000
(BLOCK ((VCLASS SYMBOL))	0095100
(VTYPE SYMBOL)	0095200
(VREG SYMBOL)	0095300
(VADDR SYMBOL)	0095400
(LISTING SYMBOL)	0095500
(VBYTE SYMBOL) (VBLT 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 (EXCR SYMBOL))	0096100
((L SYMCL))	0096200
(BLOCK ((INSTRUCTION SYMBOL))	0096300
(SET INSTRUCION (QUOTE XOR))	0096400
(INHERIT (CAR (SET L (WRDHL (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 (GBXE 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 ((FGO (BXE AC (ID Z)) (FGO (BUC))))))	0097700
(SET VCLASS (QUOTE PREDICATE)))	0097800
(FUNCTION (CNIL 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)))	0098300
(FUNCTION (CSLB SYMBOL))	0098400
((L SYMBOL))	0098500
(BLOCK ((X SYMBOL))	0098600
(SET X (CDECDR (CDDR (IF (FULLW (GVBYTE (CAR L))))	0098700
(CAR L))	0098800
(FULLW (GVBYTE (CADR L))))	0098900
(CADR L))	0099000
(CAR (SET L (CCNS (BLOCK ((VCLASS SYMBOL))	0099100
(VTYPE SYMBOL))	0099200
(VREG SYMBOL))	0099300
(VADDR SYMBOL))	0099400
(VBYTE SYMBOL))	0099500
(VBLT SYMBOL))	0099600
(VIND SYMBOL) (VINV SYMBOL) (LISTING SYMBOL))	0099700
(RESTORE (CAR L))	0099800
(MOVACTIVE 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

(INHERIT (QUOTE (CATUM 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) (OR SCLASS (NOT PCLASS)) (RETURN (MAKEPRED)))	0101400
(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)	0101800
(MEMBER TA (QUOTE (CCTAL FUNCTIONAL BOOLEAN))))	0101900
(AND (EQN TA (QUOTE BOOLEAN)) (EQN TB (QUOTE SYMBOL))))	0102000
(AND (EQN TA (QUOTE SYMBOL)) (EQN TB (QUOTE BOOLEAN))))	0102100
(RETURN (EQXOR X))	0102200
(AND (MEMBER TA (QUOTE (OCTAL INTEGER REAL))))	0102300
(MEMBER TB (QUOTE (OCTAL INTEGER REAL))))	0102400
(RETURN (IF (AND (NOT (EQN TA TB)) (EQN FCN (QUOTE EQUALN.)))	0102500
(EQNIL X) (EQSUB X)))	0102600
(NOT (OR (EQN (QUOTE SYMBOL) TA) (EQN (QUOTE SYMBOL) TB)))	0102700
(RETURN (EQNIL X))	0102800
(AND (EQN TB (QUOTE SYMBOL))	0102900
(OR (NOT (EQN TA (QUOTE SYMBOL))))	0103000
(NOT (EQN (GVCLAS A) (QUOTE DATUM))) (NOT (IDP (GVADDR A))))	0103100
(BLOCK NIL (SET A B))	0103200
(SET TA TB) (SET TB (GVTYPE (SET B (CAR X)))) G01575))	0103300
(IF (AND (IDP (GVADDR A)) (EQN (GVCLASS A) (QUOTE DATUM)))	0103400
(RETURN (EQBXE A B)))	0103500
(ATTACH (QLCTE (ARGS)))	0103600
(RESTORE A)	0103700
(MOVPD\$ (QUOTE SYMBOL) NIL)	0103800
(RESTORE B)	0103900
(MOVACTIVE (QUOTE SYMBOL) (QUOTE AC) NIL)	0104000
(CALCOMP FCN) (SET VTYPE (QUOTE BOOLEAN))))	0104100
(BLOCK (INSTRUCTIONS ((CODE . LISP) NOVALUE)	0104200
NIL (BLOCK NIL (BLCTTO)	0104300
(INHERIT (QUOTE (ACTIVE OCTAL AC NIL NIL NIL NIL NIL)))	0104400
(LSTLST (REVERSE (CDR EXP))))	0104500
(INSTRUCTIONS ((BLOCK . LISP) NOVALUE)	0104600
NIL (BLOCK ((P SYMBOL) (X SYMBOL))	0104700
(IF (AND SCLASS (NOT (ANYVARS (CADR EXP))))	0104800
(RETURN (BLOCK NIL (MAPCAR (CAER EXP)	0104900
(FUNARG SYMBOL ((J SYMBOL)) (CCMSWITCH (CDDR J) (CAR J))))	0105000
(RETURN (COMBLOCK (CDDR EXP))))))	0105100
(SET X ALIST)	0105200
(BLOCK ((ALIST SYMBOL) (LABELS SYMBOL) (GOLIST SYMBOL))	0105300
(SET ALIST X)	0105400
(SET P (IF (NULL (CADR EXP)) (QUOTE TRUE) (BKBIND)))	0105500
(IF SCLASS (CCMBLOCK (CDDR EXP))	0105600
PCLASS (BLOCK ((X SYMBOL))	0105700
(IF (NULL TGC) (SET X (SET TGC (GENID))))	0105800
(IF (NULL FGC) (SET X (SET FGC (IF X X (GENID))))))	0105900
(CCMBLOCK (CDDR EXP))	0106000
(SET VCLASS (QUOTE PREDICATE))	0106100
(IF (NULL X) (GO G01578))	0106200
(ATTACHLAB X) (SET TGO NIL) G01578)	0106300
TERCC (CCMBLOCK (CDDR EXP))	0106400
(BLOCK ((TERMINS SYMBOL) (TERGC SYMBOL))	0106500
(SET TERGC (GENID))	0106600
(COMBLOCK (CDDR EXP)) (ATTACHLAB TERGO) (COMTERMINS G01579))	0106700
(SET X (CCMGOES P)) G01577)	0106800
(IF (OR SCLASS PCLASS TERGO)	0106900
(SET GOLIST (NCONC X GOLIST))	0107000
X (COMER2 (QUOTE (UNDEFINED LABELS)))	0107100

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(MAPCAR X (FLNARG SYMBOL ((J SYMBOL)) (CADAR (GOGET J))))))) 0107200
(FUNCTION (CCMBLCK 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) 0107900
    (CADADR L) NIL))) (COMSTAT X)) 0108000
  (IDP X) 0108100
  (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 (BLCK ((M (MAPCAR (CDDR X) 0110500
          (FUNARG SYMBOL ((J SYMBOL)) 0110600
          (IF (SIM (QUOTE (GO ID.)) J) 0110700
            (BLCK NIL (SET LABELS (CONS (CADR J) LABELS))) 0110800
            (BLCK NIL (SET LABELS (CONS (GENID) LABELS))) 0110900
            (RETURN (LIST (QUOTE BLCK) 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 (BLCK ((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) (CCNS (QUOTE (LIST1 . SYS)) (CDR EXP)) NIL)) 0113400

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(MACRO ((CCNS . LISP) SYMBOL) C113500
  ((EXP SYMBOL)) C113600
  (IF (LS (LENGTH EXP) 3) C113700
    (BLOCK NIL (COMLCK 3)) (LISTX (CDR EXP))) C113800
  (INSTRUCTIONS ((SHIFT . LISP) NOVALUE) NIL (SHIFTER (QUOTE CYC))) C113900
  (INSTRUCTIONS ((SCALE . LISP) NOVALUE) NIL (SHIFTER (QUOTE SFA))) C114000
  (INSTRUCTIONS ((CYCLE . LISP) NOVALUE) NIL (SHIFTER (QUOTE CYA))) C114100
  (FUNCTION (LISTX SYMBOL)) C114200
  ((X SYMBOL)) C114300
  (BLOCK ((L SYMBOL))) C114400
  (SET L (LENGTH X)) C114500
  (RETURN (IF (GR L 4) C114600
    (LIST (QUOTE (CCNS4 . SYS)))
    (CAR X) (CAADR X) (CADDR X) (LISTX (CDDDR X))) C114800
    (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)))) C114900
  (FUNCTION (SHIFTER SYMBOL)) C115000
  ((C SYMBOL)) C115100
  (IF (COMLCK 3) C115200
    NIL (BLOCK ((X SYMBOL)) C115300
      (COMEXP1 (CADER EXP)))
      (SET VINV (IF (MEMBER (QUOTE MINUS) VINV) NIL (QUOTE (MINUS)))) C115400
      (IF (EQN VCLASS (QUOTE DATUM))
        (BLOCK NIL (VSET (COMDAT (CLUNK)))
          (SET X (CNVCDATM VTYPE VADDR (QUOTE INTEGER))) G01583) C115500
          (MOVPD$ (QUOTE INTEGER) NIL)) C115600
        (COMTYP (QUOTE OCTAL) (CADR EXP)))
        (MOVACTIVE (QUOTE CCTAL) (QUOTE AC) NIL)) C115700
        (IF (EQN C (QUOTE CYC)) (ATTACH (QUOTE (STZ B.)))) C115800
        (ATTACH (CCNS C (IF X (LIST X (QUOTE R)) (QUOTE (POP.))))))) C115900
      (IF (EQN VCLASS (QUOTE DATUM))
        (BLOCK NIL (VSET (COMDAT (CLUNK)))
          (SET X (CNVCDATM VTYPE VADDR (QUOTE INTEGER))) G01583) C116000
          (SET VTYPE (QUOTE BOOLEAN)) (SET VADDR (QUOTE TRUE))) C116100
          (BLOCK ((APLIST SYMBOL) (APPEND ALIST APLIST))
            (FEXP SYMBOL (LIST (QUOTE FUNCTION)
              (LIST (GENIC) (IF (CADR EXP) (CADR EXP) STYPE))
              (CAADR EXP) (CADDAR EXP)))) C116200
            (RETURN (BLOCK ((IR SYMBOL) (C SYMBOL))
              (BLOCK ((IRLIST SYMBOL))
                (SET C (FUNCTION FEXP)) (SET IR IRLIST) G01584) C116300
                (IF ERRFLG (RETURN NIL)) C116400
                (INCT IR) (RETURN (COMEXP (COMPILER FEXP)))) C116500
              (BLOCK ((IRLIST SYMBOL))
                (ATTACH (LIST (QUOTE LDA)
                  (FUNCTION (BLOCK NIL (SET (CAR (CDDDR FEXP))
                    (LIST (QUOTE BLOCK)
                    NIL (QUOTE (CODE (LDX (FMCALL . SYS) L 7)))) C116600
                    (LIST (QUOTE BLOCK)
                    (MAPCAR IR (FUNCTION (G01586 SYMBOL)
                      ((J SYMBOL))
                      (LIST (CAR J) (CAADR J) (QUOTE LOC) (CAR J)))) C116700
                      (LIST (QUOTE RETURN) (CADDAR FEXP))))))) C116800
                    (RETURN FEXP)) (QUOTE (2Q1 R L4567.7)))) G01585) C116900
                (ATTACH (QUOTE (STX A. L 8))) C117000
                (INHERIT (QUOTE (ACTIVE FUNCTIONAL AC NIL NIL NIL (AC) NIL)))) C117100
              )) C117200
            )) C117300
          )) C117400
        )) C117500
      )) C117600
    )) C117700
  )) C117800
)) C117900
(RETUR C118000
  (BLOCK ((IRLIST SYMBOL))
    (SET C (FUNCTION FEXP)) (SET IR IRLIST) G01584) C118100
    (IF ERRFLG (RETURN NIL)) C118200
    (INCT IR) (RETURN (COMEXP (COMPILER FEXP)))) C118300
  (BLOCK ((IRLIST SYMBOL))
    (ATTACH (LIST (QUOTE LDA)
      (FUNCTION (BLOCK NIL (SET (CAR (CDDDR FEXP))
        (LIST (QUOTE BLOCK)
        NIL (QUOTE (CODE (LDX (FMCALL . SYS) L 7)))) C118400
        (LIST (QUOTE BLOCK)
        (MAPCAR IR (FUNCTION (G01586 SYMBOL)
          ((J SYMBOL))
          (LIST (CAR J) (CAADR J) (QUOTE LOC) (CAR J)))) C118500
          (LIST (QUOTE RETURN) (CADDAR FEXP))))))) C118600
        (RETURN FEXP)) (QUOTE (2Q1 R L4567.7)))) G01585) C118700
      (ATTACH (QUOTE (STX A. L 8))) C118800
      (INHERIT (QUOTE (ACTIVE FUNCTIONAL AC NIL NIL NIL (AC) NIL)))) C118900
    )) C119000
  )) C119100
)) C119200
)) C119300
)) C119400
)) C119500
)) C119600
)) C119700

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L (IF (NULL IR))	0119800
(RETURN NIL)	C119900
(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))	C120300
(IF (COMLCK 4)	C120400
NIL (BLOCK ((G1 SYMBCL) (G2 SYMBCL))	C120500
(RETURN (APPEND (SUBST (SET G1 (GENID))	C120600
(QUOTE X))	C120700
(QUOTE (BLCK ((TRYPT . SYS)	C120800
OCTAL FLUID (CODE (LDA ((LABEL X) (MINUS ORG.))	0120900
(L567.7 R))))))	0121000
(List (CADDR EXP))	C121100
(List (QUOTE GC) (SET G2 (GENID)))	C121200
G1 (CONS (QUOTE SET))	0121300
(List (CADR EXP) (QUOTE (C2S. (CODE))))))	C121400
(List (QUOTE GC) (CADDR EXP) G2))))))	C121500
(RELATE (MACRO ((RELATION . LISP) SYMBCL))	0121600
((EXP SYMBOL))	C121700
(BLOCK ((L SYMBCL (LENGTH EXP)))	C121800
(RETURN (IF (OR (LS L 4) (NOT (EQ (REMAINDER L 2) 0)))	C121900
(COMLCK C) (LIST (QUOTE AND) (REL. (CADR EXP) (CDDR EXP))))))	C122000
(FUNCTION (REL. SYMBCL))	C122100
((A SYMBOL) (R SYMBOL))	C122200
(IF (NULL R))	C122300
(QUOTE TRUE))	C122400
(AND (OKREL. (CADR R)) (OR (NULL (CDDR R)) (OKREL. (CADDR R))))	0122500
(RELCON A (CADR R) R))	C122600
(BLOCK ((G SYMBCL (GENID)))	C122700
(RETURN (LIST (QUOTE BLOCK))	C122800
(List (List G (QUOTE ASSIGNED) (CADR R)))	0122900
(List (QUOTE RETURN) (RELCON A G R))))))	C123000
(FUNCTION (RELCON SYMBCL))	0123100
((A SYMBOL) (B SYMBOL) (C SYMBOL))	0123200
(List (QUOTE AND) (List (CAR C) A B) (REL. B (CDDR C))))	0123300
(FUNCTION (OKREL. SYMBCL))	C123400
((X SYMBOL)) (SIM (QUOTE (OR. A. V. (QUOTE S.))) X)))	0123500

****END OF FILE DETECTED

(SECTION (SECTION (COMPILE-SUPERV-SYS-LISP) SYMBOL))	C000100
(VHELP (DECLARE (INTLST SYMBOL FLUID))	C000200
(REALIST SYMBOL FLUID)	C000300
(SYMLST SYMBOL FLUID) (LOCLST SYMBOL FLUID))	C000400
(FUNCTION (GVCLASS SYMBOL) ((X SYMBOL)) (GVCLAS X))	C000500
(FUNCTION (GVCLAS SYMBOL) ((X SYMCL)) (CAR X))	C000600
(FUNCTION (GVTYPE SYMBOL) ((X SYMCL)) (CADR X))	C000700
(FUNCTION (GVREG SYMBOL) ((X SYMCL)) (CADDR X))	C000800
(FUNCTION (GVADDR SYMBOL) ((X SYMCL)) (CADDR X))	C000900
(FUNCTION (GVIND SYMBOL) ((X SYMCL)) (CAR (CDDDR X)))	C001000
(FUNCTION (GVBYTE SYMBOL) ((X SYMCL)) (CADR (CDDDR X)))	C001100
(FUNCTION (GVBLT SYMBOL) ((X SYMCL)) (CADDR (CDDDR X)))	C001200
(FUNCTION (GVINV SYMBOL) ((X SYMCL)) (CADDR (CDDDR X)))	C001300
(FUNCTION (VLIST SYMBOL)	C001400
NIL (LIST VCLASS VTYPE VREG VADDR VIND VBYTE VBLT VINV))	C001500
(FUNCTION (VSET SYMBOL)	C001600
((X SYMCL))	C001700
(BLOCK NIL (SET VCLASS (GVCLAS X))	C001800
(SET VTYPE (GVTYPE X))	C001900
(SET VREG (GVREG X))	C002000
(SET VADDR (GVADDR X))	C002100
(SET VIND (GVIND X))	C002200
(SET VBYTE (GVEYTE X))	C002300
(SET VBLT (GVBLT X)) (SET VINV (GVINV X))))	C002400
(FUNCTION (INHERIT SYMBOL)	C002500
((B SYMBOL))	C002600
(BLOCK ((A SYMBOL))	C002700
(SET A (UNION VBLT (GVBLT B))) (VSET B) (SET VBLT A)))	C002800
(FUNCTION (LSTLST SYMBOL)	C002900
((LST SYMBOL)) (IF LST (SET LISTING (NCONC LST LISTING)) NIL))	C003000
(FUNCTION (CLUNK SYMBOL) NIL (NCONC (VLIST) (LIST LISTING)))	C003100
(FUNCTION (RESTORE SYMBOL)	C003200
((X SYMBOL)) (BLOCK NIL (INHERIT X) (RETURN (LSTLST (LAST X)))))	C003300
(CCMPILER (FUNCTION (CCMTOP SYMBOL)	C003400
((X SYMBOL) (E SYMBOL))	C003500
(BLOCK ((VCLASS SYMBOL)	C003600
(VTYPE SYMBOL)	C003700
(VREG SYMBOL)	C003800
(VADDR SYMBOL)	C003900
(VIND SYMBOL)	C004000
(VBYTE SYMBOL) (VBLT SYMBOL) (VINV SYMBOL) (LISTING SYMBOL))	C004100
(COMTYP X E) (RETURN (CLUNK))))	C004200
(FUNCTION (CALCOMP SYMBOL)	C004300
((DV SYMBOL))	C004400
(BLOCK NIL (BLTTO))	C004500
(ATTACH (LIST (QUOTE CALL))	C004600
(CONS DV (QUOTE SYS)) (GETDEC DV (QUOTE SYS))))))	C004700
(FUNCTION (CCMARGS SYMBOL)	C004800
NIL (BLOCK ((L SYMBOL) (M SYMBOL))	C004900
(SET L EXP)	C005000
(SET M (LIST NIL))	C005100
TAG (IF (NULL (SET L (CDR L))) (RETURN M))	C005200
(BLOCK ((VCLASS SYMBOL)	C005300
(VTYPE SYMBOL)	C005400
(VREG SYMBOL)	C005500
(VADDR SYMBOL)	C005600
(VIND SYMBOL)	C005700
(VBYTE SYMBOL) (VBLT SYMBOL) (VINV SYMBOL) (LISTING SYMBOL))	C005800
(COMEXP1 (CAR L)) (SET M (CONS (CLUNK) M)) GO1595) (GO TAG)))	C005900
(FUNCTION (CCMTYP SYMBOL)	C006000
((XTYPE SYMBOL) (EXP SYMBOL))	C006100
(BLOCK ((SCCLASS SYMBOL) (PCLASS SYMBOL) (TERGO SYMBOL))	C006200
(COMEXP EXP)	C006300

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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 (NCNC (VLIST) (QUOTE (NIL)))))) CO006400
(SET VADDR (CNVDATM VTYPE VADDR XTYPE)) (SET VTYPE XTYPE)) CO006500
(FUNCTION (CCMDAT SYMBOL)) CO006600
((FORM SYMBOL)) CO006700
(BLOCK ((VCLASS SYMBOL)) CO006800
  (VTYPE SYMBOL)) CO006900
  (VBYTE SYMBOL)) CO007000
  (VIND SYMBOL)) CO007100
  (VBLCT SYMBOL)) CO007200
  (VREG SYMBOL) (VINV SYMBOL) (VADDR SYMBOL) (LISTING SYMBOL)) CO007300
(RESTORE FCRM) CO007400
(IF (MEMBER (QUOTE MINUS) VINV) (SET VADDR (MINUS VADDR))) CO007500
(IF (MEMBER (QUOTE RECIP) VINV)
  (BLOCK NIL (SET VADDR (IQUOTIENT 1.0 VADDR)))
    (SET VTYPE (QUOTE REAL)) GO1596)) CO007600
(SET VINV NIL) (RETURN (CLUNK))) CO007700
(FUNCTION (CCMEXP1 SYMBOL)) CO007800
((EXP SYMBOL)) CO007900
(BLOCK ((PCLASS SYMBOL))
  (SCCLASS SYMBOL) (TERC SYMBOL) (XTYPE SYMBOL)) CO008000
  (RETURN (CCMEXP EXP)))) CO008100
(FUNCTION (CCMLCK SYMBOL)) CO008200
((NUM SYMBOL)) CO008300
(BLOCK NIL (IF (EQ (LENGTH EXP) NUM) (RETURN NIL))
  (COMER2 (CAR EXP) (QUOTE (WRONG NUM OF ARGS)))) CO008400
  (INHERIT (QUOTE (DATUM INTEGER NIL 0 NIL NIL NIL NIL NIL))) CO008500
  (RETURN TRUE))) CO008600
(FUNCTION (VINDEX SYMBOL)) CO008700
NIL (AND (EQN VCLASS (QUOTE LOC)) CO008800
  (NOT VIND)) CO008900
  (NOT VINV)) CO009000
  (OR (NULL VBYTE)) CO009100
    (EQN VBYTE (QUOTE RH)) CO009200
    (AND (NOT (ATCM VBYTE)) CO009300
      (EQ (CAR VBYTE) 0) (GR (CADR VBYTE) 23)))) CO009400
(FUNCTION (CCMCAR SYMBOL)) CO009500
((B SYMBOL)) CO009600
(BLOCK NIL (IF (COMLCK 2) (RETURN NIL)) CO009700
  (COMEXP1 (CADR EXP)) CO009800
  (IF (EQN VTYPE (QUOTE SYMBOL)) (GO A)) CO009900
  (COMER2 (CADR EXP) (QUOTE (NOT SYMBOL)))) CO010000
A (IF (VINDEX) (GO LCC)) CO010100
(MOVACTIVE (QUOTE SYMBOL) (QUOTE AC) NIL)) CO010200
(SET VCLASS (QUOTE LCC)) CO010300
(SET VADDR 0) CO010400
(SET VBYTE B) (RETURN NIL) LOC (SET VIND TRUE) (SET VBYTE B))) CO010500
PTIMUM (FUNCTION (COMCPT SYMBOL)) CO010600
((FRMLST SYMBOL)) CO010700
(ALGFCN (FUNCTIONAL SYMBOL)) CO010800
(MOVE (FUNCTIONAL SYMBOL SYMBOL)) CO010900
(MOVEP (FUNCTIONAL SYMBOL SYMBOL)) (MOVPDL (FUNCTIONAL SYMBOL))) CO011000
(BLOCK ((LISTING SYMBOL)) CO011100
  (VCLASS SYMBOL)) CO011200

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(VTYPE SYMBCL)	0012700
(VREG SYMBCL)	0012800
(VADDR SYMBCL)	0012900
(VIND SYMBCL)	0013000
(VBYTE SYMBCL)	0013100
(VBLCT SYMBCL)	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 FCRM))	0014100
B1 (SET ACTLST (CNS 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 FORM))	0014700
C2 (RESTORE FORM)	0014800
(SET (CAR (CDDDR (CDDDR FORM))) NIL)	0014900
(SET LOCLST (CNS 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 FCRM (CAR (SET ACTLST (CDR ACTLST)))))) (GO RET))	0015700
(SET LOCLST (LIST (MCVPDL))) (GO D1))	0015800
(FUNCTION (CCMARI SYMBOL))	0015900
((DATUM SYMBCL)	0016000
(LST SYMBOL)	0016100
(FCN (FUNCTIONAL SYMBOL SYMBOL SYMBOL))	0016200
(IALGFCN SYMBOL)	0016300
(IMOVE SYMBCL)	0016400
(IMOVEP SYMBCL)	0016500
(IMOVPCD SYMBOL)	0016600
(RALGFCN SYMBOL)	0016700
(RMOVE SYMBCL) (RMGVEP SYMBOL) (RMCPDL 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
(COMERZ (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

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(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)
(EQ DATA DATUM)
(GO ND)
(FIXP DATA)
(SET INTLST (CONS (LIST (QUOTE DATUM)
    (QUOTE INTEGER) NIL DATA NIL NIL VBLOT NIL NIL) INTLST)) C020200
(SET REALST (CONS (LIST (QUOTE DATUM)
    (QUOTE REAL) NIL DATA NIL NIL VBLOT NIL NIL) REALST))) C020400
ND (SET INTLST (CCMCPT INTLST IALGFCN IMOVE IMOVEP IMOVPEL)) C020600
(IF (NCT (CAR REALST)))
(IF INTLST (GE INTUP) (GO NOUP))
INTLST (BLOCK ((VCLASS SYMBOL)
    (VTYPE SYMBOL)
    (VADDR SYMBOL)
    (VREG SYMBOL)
    (VIND SYMBOL)
    (VBYTE SYMBOL) (VBLCT SYMBOL) (VINV SYMBOL) (LISTING SYMBOL))) C021000
(VSET (CAR INTLST))                                         C021500
(SET LISTING (CADR INTLST))                                C021600
(MOVACTIVE (QUOTE REAL) (QUOTE AC) NIL)                      C021700
(SET REALST (CONS (CLUNK) REALST)) G01598))                C021800
(SET REALST (CEMOPT REALST RALGFCN RMOVE RMOVEP RMOPD))   C021900
REALUP (LSTLST (CADR REALST))                               C022000
(INHERIT (CAR REALST))                                     C022100
(RETURN SYMLST)                                            C022200
INTUP (SET REALST INTLST)                                   C022300
(GO REALUP)
NOUP (INHERIT (QUOTE (NIL NIL NIL NIL NIL NIL NIL)))   C022500
(RETURN SYMLST)))                                           C022600
(CCMLHP (INSTRUCTIONS ((FLCAT . LISP) NOVALUE)
    NIL (BLOCK NIL (IF (CCMLCK 2) (RETURN NIL)))
    (COMTYP (QUOTE INTEGER) (CADR EXP)))
    (MOVACTIVE (QUOTE REAL) (QUOTE AC) NIL)))
(INSTRUCTIONS ((PROP . LISP) NOVALUE) NIL (COMCAR (QUOTE (. 18)))) C023100
(INSTRUCTIONS ((CAR . LISP) NOVALUE)
    NIL (COMCADR (QUOTE (24 18))))
(INSTRUCTIONS ((CDR . LISP) NOVALUE) NIL (COMCADR (QUOTE (. 24)))) C023400
(FUNCTION ((COMCADR . COMPIL) SYMBOL)
    ((X SYMBOL))
    (BLOCK ((EXP FLLID (IF (DEBUGGING)
        (LIST (CAR EXP)
            (CCNS (QUOTE (ATMCHK . DEBUG)) (CDR EXP))) EXP)))
    (RETURN (COMCAR X)))))
(INSTRUCTIONS ((BIT . LISP) NOVALUE)
    NIL (BLOCK ((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)))

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(MOVACTIVE VTYPE (QUOTE AC) NIL)	0025300
(SET VBYTE (LIST (CADR EXP) (CADDR EXP)))	0025400
(RETURN NIL) FIN (SET VBYTE (LIST NB EL))))	0025500
(TIMER (MACRC ((RECIP . LISP) SYMBCL))	0025600
((EXP SYMBOL))	0025700
(IF (COMLCK 2) NIL (LIST (QUOTE QUOTIENT) 1.0 (CADR EXP))))	0025800
(INSTRUCTIONS ((IQUOTIENT . LISP) NOVALUE)	0025900
NIL (BLCK NIL (DIVIDE. (QUOTE INTEGER) (QUOTE LDA)))	0026000
(ATTACH (QUOTE (MUL 1 (L567.7 R S))))	0026100
(ATTACH1 (CCNS (QUOTE CVD))	0026200
(MOVARG (QUOTE INTEGER) (QUOTE AC) NIL (QUOTE LDA))))	0026300
(INHERIT (QUOTE (ACTIVE INTEGER AC NIL NIL NIL (AC B) NIL))))	0026400
(INSTRUCTIONS ((QUOTIENT . LISP) NCVALUE)	0026500
NIL (BLCK NIL (DIVIDE. (QUOTE REAL) (QUOTE FAD)))	0026600
(ATTACH1 (CCNS (QUOTE FDV))	0026700
(MOVARG (QUOTE REAL) (QUOTE AC) NIL (QUOTE FAD))))	0026800
(INHERIT (QUOTE (ACTIVE REAL AC NIL NIL NIL (AC B) NIL))))	0026900
(INSTRUCTIONS ((TIMES . LISP) NOVALUE)	0027000
NIL (BLCK ((TYPE SYMBOL))	0027100
(PARITY SYMBOL) (FCRM SYMBOL) (SYM SYMBOL))	0027200
(SET SYM (COMARI 2 (COMARGS))	0027300
(STIMS . SYS)	0027400
MPIALG PLSMOV PLIMVP PLSPDL MPRALG PLSMOV PLRMVP PLSPDL))	0027500
(IF VCLASS (IF (SET FORM (CAR SYM)) (GO TIM) (RETURN NIL))	0027600
(CAR SYM) (GO INT))	0027700
(INHERIT (QUOTE (DATUM INTEGER NIL 1 NIL NIL NIL NIL)))	0027800
(RETURN NIL)	0027900
INT (RESTORE (CAR SYM))	0028000
LOOP (IF (NOT (SET FCRM (CAR (SET SYM (CDR SYM)))))	0028100
(RETURN NIL))	0028200
(TIM (ATTACH (QUOTE (ARGS))))	0028300
(SET TYPE VTYPE)	0028400
(IF (EQN VTYPE (QUOTE SYMBOL)) (GO ST))	0028500
(MOVPS VTYPE NIL)	0028600
(INHERIT FCRM)	0028700
(SET PARITY VINV)	0028800
AT (SET VINV NIL)	0028900
(LSTLST (LAST FORM))	0029000
(MOVACTIVE (QUOTE SYMBOL) (QUOTE AC) NIL)	0029100
(CALCCMP (IF (EQN TYPE (QUOTE SYMBOL))	0029200
(QUOTE STIMS))	0029300
(EQN TYPE (QUOTE REAL)) (QUOTE STIMR) (QUOTE STIMI))))	0029400
(INHERIT (QUOTE (ACTIVE NIL AC NIL NIL NIL NIL)))	0029500
(BLOTTC)	0029600
(SET VINV PARITY)	0029700
(SET VTYPE (IF (EQN TYPE (QUOTE REAL)) TYPE (QUOTE SYMBOL)))	0029800
(GO LCCP)	0029900
ST (SET PARITY VINV)	0030000
(SET VINV NIL)	0030100
(MOVPS VTYPE NIL)	0030200
(INHERIT FCRM)	0030300
(SET PARITY (IF (NOT (EQ (MEMBER (QUOTE MINUS) VINV)	0030400
(MEMBER (QUOTE MINUS) PARITY))) (QUOTE (MINUS)) NIL))	0030500
(GO AT))	0030600
(FUNCTION (DIVIDE. SYMBOL)	0030700
((XTYPE SYMCL) (INST SYMBOL))	0030800
(BLOCK ((X SYMCL))	0030900
(IF (COMLCK 3) (RETURN (CLUNK)))	0031000
(COMTYP XTYPE (CADDR EXP))	0031100
(IF (CR VREG VINV (NOT (EXHOCKY INST NIL))) (MOVPS XTYPE NIL))	0031200
(SET X (VLIST))	0031300
(COMVAL (CADR EXP) XTYPE NIL (QUOTE AC)) (INHERIT X))	0031400
(FUNCTION (MPYALG SYMCL))	0031500

((TYPE SYMBOL) (XREG SYMBOL) (INST SYMBOL))	C031600
(BLOCK ((PARITY SYMBOL))	C031700
(IF (NCT VCLASS)	C031800
(BLOCK NIL (INHERIT (CAR LOCLST))	C031900
(SET LOCLST (CDR LOCLST)) GO1599))	C032000
LOOP (IF (NCT (AND (FULLW VBYTE)	C032100
(EQN VCLASS (QUOTE ACTIVE)) (EQN (QUOTE AC) VREG)))	C032200
(MOVACTIVE VTYPE (QUOTE AC) NIL))	C032300
(SET PARITY (IF (EQ (MEMBER (QUOTE MINUS) VINV)	C032400
(MEMBER (QUOTE MINUS) (GVINV (CAR LOCLST))))	C032500
NIL (QUOTE (MINUS))))	C032600
(INHERIT (CAR LOCLST))	C032700
(ATTACH1 (CCNS INST (MCVARG (IF (EQN TYPE (QUOTE INTEGER))	C032800
VTYPE TYPE) (QUOTE AC) NIL (QUOTE LDA))))	C032900
(INHERIT (QUOTE (ACTIVE NIL NIL NIL NIL NIL (AC B) NIL)))	C033000
(SET VINV PARITY)	C033100
(SET VREG XREG)	C033200
(SET VTYPE TYPE) (IF (SET LOCLST (CDR LOCLST)) (GO LOOP))))	C033300
(FUNCTION (MPIALG SYMBOL)	C033400
NIL (MPYALG (QUOTE INTEGER) (QUOTE B) (QUOTE MUL)))	C033500
(FUNCTION (MPRALG SYMBOL)	C033600
NIL (MPYALG (QUOTE REAL) (QUOTE AC) (QUOTE FMP))))	C033700
(AEDER (INSTRUCTIONS ((PLUS . LISP) NOVALUE)	C033800
NIL (BLOCK ((SYM SYMBOL)	C033900
(FORM SYMBOL)	C034000
(VPS SYMBOL) (VPT SYMBOL) (VAS SYMBOL) (PTYPE SYMBOL))	C034100
(SET SYM (COMARI 0 (COMARGS)	C034200
(SPLUS . SYS)	C034300
PLIALG PLSMOV PLIMVP PLSPDL PLRALG PLSMOV PLRMVP PLSPDL))	C034400
(IF VCLASS (IF (SET FORM (CAR SYM)) (GO PLU) (RETURN NIL))	C034500
(CAR SYM) (GO COP))	C034600
(INHERIT (QUOTE (DATUM INTEGER NIL 0 NIL NIL NIL NIL)))	C034700
(RETURN NIL)	C034800
COP (RESTORE (CAR SYM))	C034900
LOOP (IF (NCT (SET FORM (CAR (SET SYM (CDR SYM))))))	C035000
(RETURN NIL))	C035100
PLU (ATTACH1 (LIST (QUOTE ARGS)))	C035200
(MOVPSD VTYPE NIL)	C035300
(SET PTYPE (SET VPT VTYPE))	C035400
(SET VPS (IF (MEMBER (QUOTE MINUS) VINV) FALSE 1))	C035500
(RESTORE FCRM)	C035600
(SET VAS (IF (MEMBER (QUOTE MINUS) VINV) FALSE 1))	C035700
(SET VPT (IF (EQN VPT (QUOTE SYMBOL))	C035800
(QUOTE (SPLUS SMINI))	C035900
(EQN VPT (QUOTE REAL))	C036000
(QUOTE (SPLUR SMINR)) (QUOTE (SPLUI SMINI))))	C036100
(SET VPT (IF (EQUALN VPS VAS) (CAR VPT) (CADR VPT)))	C036200
(SET VINV (IF (MEMBER (QUOTE RECIP) VINV) (QUOTE (RECIP)) NIL))	C036300
(MOVACTIVE (QUOTE SYMBOL) (QUOTE AC) NIL)	C036400
(IF (EQN PTYPE (QUOTE REAL)) (SET VTYPE (QUOTE REAL)))	C036500
(CALCOMP VPT) (GO LCOP)))	C036600
(FUNCTION (MCVPRE SYMBOL)	C036700
((FORM SYMBOL) (I SYMBOL))	C036800
(BLOCK ((VCLASS SYMBOL)	C036900
(VTYPE SYMBOL)	C037000
(VREG SYMBOL)	C037100
(VADD SYMBOL)	C037200
(VBYTE SYMBOL)	C037300
(VBLDT SYMBOL) (VINV SYMBOL) (VIND SYMBOL) (LISTING SYMBOL))	C037400
(VSET FORM) (RETURN (EXHOCKY I NIL))))	C037500
(FUNCTION (PLIMVF SYMBOL)	C037600
((FORM SYMBOL)) (MCVPRD FORM (QUOTE LDA)))	C037700
(FUNCTION (PLRMVF SYMBOL)	C037800

((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 (EXFCCKY (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 LCCLST))		0039800
(SET LCCLST (CCR LCCLST))		0039900
TAG (MCVACTIVE TYPE (QUOTE AC) NIL)		0040000
(SET ACS (IF (MEMBER (QUOTE MINUS) VINV)		0040100
(QUOTE (MINUS)) FALSE))		0040200
LOOP (INHERIT (CAR LCCLST))		0040300
(SET LCS (IF (MEMBER (QUOTE MINUS) VINV) (QUOTE (MINUS)) FALSE))		0040400
(ATTACH1 (CCNS (IF (EQN ACS LCS) ADD SUB)		0040500
(MCVARG (IF (EQN TYPE (QUOTE INTEGER)) VTYPE TYPE)		0040600
(QUOTE AC) NIL (QUOTE LDA)))		0040700
(IF (SET LCCLST (CCR LCCLST)) (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
DAT1 (IF (EQ (SET VADDR (FCN VADDR)) 0)		0043300
(SET VADDR (ITYPE VTYPE))) (INFERIT (COMDAT (CLUNK))))		0043400
(MACRO ((DIFFERENCE . LISP) SYMBOL))		0043500
((EXP SYMBOL))		0043600
(IF (COMLCK 3)		0043700
C (LIST (QLCTE PLUS)		0043800
(CADR EXP) (LIST (QUOTE MINUS) (CADR EXP))))		0043900
(INSTRUCTIONS ((MINUS . LISP) NOVALUE)		0044000
NIL (COMINV (QUOTE MINUS) (QUOTE RECIP) MINUS1))		0044100

(INSTRUCTIONS ((ABS . LISP) NOVALLE))	0044200
NIL (BLOCK ((Y SYMBOL)))	0044300
(IF (CMLCK 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 (COMERR (QUOTE (NON NUM ARG TO ABS)))	0045100
(RETURN NIL)	0045200
CAT (IF (NCT (NUMBP VACDR)) (GO ERR))	0045300
(INHERIT (COMDAT (CLUNK)))	0045400
(SET VADDR (ABS VADDR))	0045500
(RETURN NIL)	0045600
SYM (ATTACH (QUOTE (ARGS)))	0045700
(MOVACTIVE (QUOTE SYMBOL) (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 (BLOCK NIL (IF (CMLCK 2) (RETURN NIL))	0046900
(COMEXP1 (CADR EXP))	0047000
(MOVACTIVE VTYPE (QUOTE AC) NIL)	0047100
(IF (EQN VTYPE (QUOTE SYMBOL))	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 1 (R L7.7 3Q5))))	0047900
B (INHERIT (QUOTE (ACTIVE INTEGER AC NIL NIL NIL NIL NIL)))	0048000
(RETURN NIL)	0048100
S (ATTACH (QUOTE (ARGS))) (CALCOMP (QUOTE SYMSGN)) (GO B)))	0048200
(CHEAT (FUNCTION (CHIZLE SYMBOL))	0048300
((FROM SYMBOL) (TO SYMBOL))	0048400
(BLOCK NIL (IF (CMLCK 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 TC) (RETURN NIL)))	0049100
(FUNCTION (FTYPEP SYMBOL))	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 (BLOCK NIL (IF (CMLCK 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 OCTAL) VTYPE))	0050300
(VINEX)) (GO LCC))	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)))	C051300
(SET VCLASS (QUOTE LOC)) (SET VTYPE (QUOTE OCTAL))))	C051400
(INSTRUCTIONS ((CHEAT . LISP) NOVALUE)	C051500
NIL (IF (CR (COMLCK 4)	C051600
(FTYPEP (CADR EXP)) (FTYPEP (CADDR EXP)))	C051700
NIL (BLOCK ((X SYMBOL EXP) (EXP SYMBOL (CDDR EXP)))	C051800
(RETURN (CHIZLE (CADR X) (CADER X))))))	C051900
(INSTRUCTIONS ((DRIVE . LISP) NOVALUE)	C052000
NIL (IF (CR (COMLCK 3) (FTYPEP (CADR EXP)))	C052100
NIL (CCMTYP (CADR EXP) (CADDR EXP))))	C052200
(INSTRUCTIONS ((CCREENTRY . LISP) NOVALUE)	C052300
NIL (IF (COMLCK 2)	C052400
NIL (BLOCK NIL (INHERIT (QUOTE (LOC OCTAL NIL NIL NIL NIL NIL NIL	C052500
)) (SET VADDR (CONS (QUOTE ENTRY) (CDR EXP))))))	C052600
(INSTRUCTIONS ((ENTRY . LISP) NOVALUE)	C052700
NIL (IF (COMLCK 2)	C052800
NIL (BLOCK NIL (ATTACH (CONS (QUOTE LDA)	C052900
(LIST EXP (QUOTE (L567.7 R))))))	C053000
(INHERIT (QUOTE (ACTIVE OCTAL AC NIL NIL NIL NIL NIL NIL)))	C053100
(INSTRUCTIONS ((S20. . LISP) NOVALUE)	C053200
NIL (CHIZLE (QUOTE SYMBOL) (QUOTE OCTAL)))	C053300
(INSTRUCTIONS ((R20. . LISP) NOVALUE)	C053400
NIL (CHIZLE (QUOTE REAL) (QUOTE OCTAL)))	C053500
(INSTRUCTIONS ((B20. . LISP) NOVALUE)	C053600
NIL (CHIZLE (QUOTE BOOLEAN) (QUOTE OCTAL)))	C053700
(INSTRUCTIONS ((I20. . LISP) NOVALUE)	C053800
NIL (CHIZLE (QUOTE INTEGER) (QUOTE OCTAL)))	C053900
(INSTRUCTIONS ((F20. . LISP) NOVALUE)	C054000
NIL (CHIZLE (QUOTE FUNCTIONAL) (QUOTE OCTAL)))	C054100
(INSTRUCTIONS ((C20. . LISP) NOVALUE)	C054200
NIL (CHIZLE (QUOTE OCTAL) (QUOTE SYMBOL)))	C054300
(INSTRUCTIONS ((C2R. . LISP) NOVALUE)	C054400
NIL (CHIZLE (QUOTE OCTAL) (QUOTE REAL)))	C054500
(INSTRUCTIONS ((C2B. . LISP) NOVALUE)	C054600
NIL (CHIZLE (QUOTE OCTAL) (QUOTE BOOLEAN)))	C054700
(INSTRUCTIONS ((C2I. . LISP) NOVALUE)	C054800
NIL (CHIZLE (QUOTE OCTAL) (QUOTE INTEGER)))	C054900
(INSTRUCTIONS ((C2F. . LISP) NOVALUE)	C055000
NIL (CHIZLE (QUOTE OCTAL) (QUOTE FUNCTIONAL))))	C055100
(WCRCRS (MACRO ((INVERT . LISP) SYMBOL))	C055200
((EXP SYMBOL))	C055300
(IF (COMLCK 2)	C055400
NIL (LIST (QUOTE WORDXCR) 7777777777777777Q (CADR EXP))))	C055500
(INSTRUCTIONS ((WORDCR . LISP) NOVALUE)	C055600
NIL (COMWRD 0Q (QUOTE ORA)	C055700
(FUNARG SYMBOL ((A SYMBOL) (B SYMBOL)) (WORDOR A B))))	C055800
(INSTRUCTIONS ((WORDAND . LISP) NOVALUE)	C055900
NIL (COMWRD 7777777777777777Q (QUOTE ANA)	C056000
(FUNARG SYMBOL ((A SYMBOL) (B SYMBOL)) (WORDAND A B))))	C056100
(INSTRUCTIONS ((WORDXCR . LISP) NOVALUE)	C056200
NIL (COMWRD 0Q (QUOTE XCR)	C056300
(FUNARG SYMBOL ((A SYMBOL) (B SYMBOL)) (WORDXCR A B))))	C056400
(FUNCTION (WRDHLP SYMBOL)	C056500
((LST SYMBOL))	C056600
(COMOPT LST (FUNCTION (G01600 SYMBOL)	C056700

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
LGP (INHERIT (CAR LOCLST))	0057200
(ATTACH1 (CONS INSTRUCTION (MCVARG (QUOTE OCTAL)	0057300
(QUOTE AC) NIL (QUOTE LDA))))	0057400
(IF (SET LOCLST (CDR LOCLST)) (GC LGP))	0057500
(INHERIT (QUOTE (ACTIVE OCTAL AC NIL NIL NIL (AC) NIL))))	0057600
PLSMCV (FUNCTION (G01601 SYMBOL))	0057700
((FORM SYMBCL))	0057800
(AND (NCT (GVBYTE FORM)) (MOVPRD FORM (QUOTE LDA))))	0057900
(FUNCTION (G01602 SYMBOL))	0058000
NIL (BLOCK NIL (MCVPDS (QUOTE OCTAL) NIL)	0058100
(RETURN (NCONC (VLIST) (LIST NIL))))	0058200
(FUNCTION (CCMWRC SYMBOL))	0058300
((IDATA SYMBCL))	0058400
(INSTRUCITION SYMBOL) (LOGFCN (FUNCTIONAL SYMBOL SYMBOL SYMBOL))	0058500
(BLOCK ((ITEM SYMBOL)	0058600
(LST SYMBOL) (DATA SYMBOL) (EX SYMBOL) (DATLST SYMBOL))	0058700
(SET DATA IDATA)	0058800
(SET LST (QUOTE (NIL)))	0058900
(IF (EQ (LENGTH EXP) 1) (GO NOARG))	0059000
(SET EX EXP)	0059100
LOOP (IF (NULL (SET EX (CDR EX))) (GO BEG))	0059200
(SET TEM (CAR EX))	0059300
(BLOCK ((VCLASS SYMBOL)	0059400
(VTYPE SYMBOL)	0059500
(VREG SYMBOL)	0059600
(VADDR SYMBOL)	0059700
(VIND SYMBOL) (VBYTE SYMBOL) (VINV SYMBOL) (LISTING SYMBOL))	0059800
(COMTYP (QUOTE OCTAL) TEM)	0059900
(IF (EQN (QUOTE DATUM) VCLASS) (GO DAT))	0060000
(SET LST (CCNS (CLUNK) LST))	0060100
(GO G01603)	0060200
DAT (SET DATA (LOGFCN DATA VACER))	0060300
(SET DATLST (NCONC DATLST LISTING)) G01603)	0060400
(GO LOCP)	0060500
BEG (LSTLST DATLST)	0060600
(IF (NCT (EQUALN DATA IDATA))	0060700
(SET LST (CCNS (LIST (QUOTE DATUM)	0060800
(QUOTE OCTAL) NIL DATA NIL NIL NIL NIL NIL) LST)))	0060900
(SET LST (WRDHL P LST))	0061000
(IF LST (GO FIN))	0061100
NOARG (INHERIT (LIST (QUOTE DATUM)	0061200
(QUOTE OCTAL) NIL IDATA NIL NIL NIL NIL))	0061300
(RETURN NIL) FIN (INHERIT (CAR LST)) (LSTLST (CADR LST))))	0061400
(ASSIGN (FUNCTION (SET. SYMBOL)	0061500
((X SYMBOL))	0061600
(MOVLOC (GVTYPE X) (GVADDR X) (GVREG X) (GVIND X) (GVBYTE X))	0061700
(FUNCTION (ECTYPE SYMBCL))	0061800
((A SYMBOL) (B SYMBOL))	0061900
(IF (EQN A B)	0062000
A (OR (AND (EQN (QUOTE OCTAL) A) (EQN (QUOTE INTEGER) B))	0062100
(AND (EQN (QUOTE INTEGER) A) (EQN (QUOTE OCTAL) B)))	0062200
(QUOTE OCTAL) NIL))	0062300
(FUNCTION (FULLP SYMBCL))	0062400
((TYP SYMBOL) (BYTE SYMBOL))	0062500
(BLOCK ((X SYMBOL))	0062600
(RETURN (OR (FULLW BYTE)	0062700
(AND (EQN (QUOTE SYMBOL) TYP)	0062800
(GR (SET X (CADR (WHATBITS BYTE))) 17)	0062900
(EQ (REMAINDER X 6) 0))))))	0063000

(INSTRUCTIONS ((SET . LISP) NOVALLE))	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
(VADR SYMBOL)	0063700
(VIND SYMBOL)	0063800
(VINV SYMBOL) (VBLCT SYMBOL) (VBYTE SYMBOL) (LISTING SYMBOL))	0063900
(COMEXP1 (CADR EXP)) (SET X (CLUNK)) GO1604)	0064000
(IF (AND (EQN (GVCLAS X) (QUOTE LOC)) (NOT VINV)) (GO BEG))	0064100
(COMER2 (CADR EXP) (QUOTE (NON LOC 1 ARG TO SET)))	0064200
(INHERIT (QUOTE (DATUM OCTAL NIL QQ 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) (NOT (MEMBER (QUOTE L) XBLCT)) (QUOTE L) NIL))	0064900
(IF SCLASS (GC STAT))	0065000
(SET TYP (EQTYPE XTYPE (GVTYPE X))) (GO ETYP))	0065100
(COMEXP1 (CADR 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 (MOVPC 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
(RETURN NIL)	0066600
ETYP (COMTYP TYP (CADR EXP))	0066700
(IF (MEMBER (QUOTE X2) XBLCT) (GC 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) (GU MACT))	0067400
(NOT FREG) (GC OK))	0067500
MACT (MOVACTIVE TYP FREG NIL)	0067600
(GO OK)	0067700
STAT (COMTYP (GVTYPE X) (CADR EXP))	0067800
(IF (OR (AND VREG (MEMBER (QUOTE X2) XBLCT))	0067900
(AND (SET TYP (MEMBER VREG XBLCT)) (NOT FREG)))	0068000
(MOVPC 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 (CADR EXP))	0068600
(IF (AND (EQN (QUOTE LOC) VCLASS) (FULLW VBYTE) (NOT VINV))	0068700
(GO A))	0068800
(COMER2 (CADR EXP) (QUOTE (NON FULL LOC 2 ARG IN LOCSET)))	0068900
A (SET TYP VTYPE)	0069000
(MAKELOC)	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
VINP (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) VADER) 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 GC) 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) TGU))) (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 (NOT (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) (FCRTRM) GO1607)	0074400
(EQN (SET CFL (CAR FL)) (QUOTE LOCP))	0074500
(BLOCK NIL (FCRX TGC)	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 (CADDR 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
(FCRX (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))))	0076200
(SET G1 CFL) (SET G (LIST (LIST G1 (QUOTE ASSIGNED) CFL))))	0076300
(FORSET (CADR FL))	0076400
(FORX L)	0076500
(IF (SET CFL (CDDR FL))	0076600
(BLOCK NIL (IF (NUMBP (CADR CFL))	0076700
(SET G2 (CADR CFL))	0076800
(SET G (NCCNC G (LIST (LIST G2 (QUOTE ASSIGNED)	0076900
(CADR CFL))))))	0077000
(FORX (LIST (QUOTE IF))	0077100
(LIST (CAR CFL) VADDR G2) (LIST (QUOTE G0) FG0))) G01612))	0077200
(FORTRM)	0077300
(FORX TGC) (FORSET (LIST (QUOTE PLUS) VADDR G1)) G01611))	0077400
(RETURN (NCCNC (NCCNC (LIST (QUOTE BLOCK) G) LISTING)	0077500
(LIST (LIST (QUOTE GC) L) FG0)))	0077600
E (COMERR (QUOTE (ILLEGAL FOR STATEMENT))))))	0077700

****END OF FILE DETECTED

(MCVEPO (FUNCTION (REVA2L SYMBOL))	0000100
((XREG SYMBOL))	0000200
(BLOCK ((VREG SYMBOL)) (SET VREG XREG) (RETURN (TRANSA2L))))	0000300
(FUNCTION (LXN SYMBOL))	0000400
((N SYMBOL)) (IF (GR (ABS N) 377777Q) NIL (LIST N (QUOTE R))))	0000500
(IFUNCTION SYNC2 (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
(IFUNCTION (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
(IFUNCTION (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
(IFUNCTION (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
(IFUNCTION (BBND SYMBOL))	0003600
((B SYMBOL))	0003700
(AND (EQ (REMINDER (CAR (SET B (WHATBITS B))) 6) 0)	0003800
(EQ (REMINDER (CADR B) 6) 0)))	0003900
(IFUNCTION (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
(IFUNCTION (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 SYMEO))	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
(IFUNCTION (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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(CADR (SASSOC R (QUOTE ((AC LDC) (B LBC) (L LLC))) CADRNIL))
(CADR (SASSOC R (QUOTE ((AC LDA) (B LDB) (L LDL))) CADRNIL)))
(FUNCTION (LDCMP SYMBOL)
((R SYMBOL))
(BLOCK ((VINV SYMBOL))
(SET VINV (QUOTE (MINUS))) (RETURN (LOPC R))))
(FUNCTION (CADRNIL SYMBOL) NIL (QUOTE (NIL NIL)))
(FUNCTION (TRANS2L SYMBOL)
NIL (IF (NUMBP VREG)
(CONS VREG (QUOTE (Z.)))
(CADR (SASSOC VREG (QUOTE ((AC A.) (B B.) (L L.)) CADRNIL))))
(FUNCTION (CCNVP SYMBOL)
((NEW SYMBOL))
(CADR (SASSOC NEW (CDR (SASSOC VTYPE (QUOTE ((OCTAL (INTEGER 0)
(REAL IR)
(SYMBOL (OCT2SYM . LISP)) (BBOOLEAN TRU) (OCTAL V))
(INTEGER (REAL IR)
(SYMBOL (INT2SYM . LISP))
(OCTAL MZ) (BBOOLEAN TRU) (INTEGER V))
(REAL (INTEGER (ROUND . LISP))
(SYMBOL (REAL2SYM . LISP))
(OCTAL (CCTROUND . LISP)) (BBOOLEAN TRU) (REAL V))
(SYMBOL (INTEGER (SYM2INT . LISP))
(REAL (SYM2REAL . LISP))
(OCTAL (SYM2OCT . LISP))
(BBOOLEAN SP) (FUNCTIONAL (SYM2FORM . LISP)) (SYMBOL V))
(FUNCTIONAL (SYMBOL (FORM2SYM . LISP))
(BBOOLEAN TRU) (FUNCTIONAL V))
(BBOOLEAN (SYMBOL V) (BOOLEAN V))))
(FUNCTION (GO1613 SYMBOL) NIL (QUOTE (A (A A)))) CADRNIL)))
(FUNCTION (ADDRMCDS SYMBOL)
((I SYMBOL) (R SYMBOL))
(IF (NULL I)
(IF (NULL R)
0 (EQN R (QUOTE AC))
15 (NUMBP R)
R (COMER2 R (QUOTE (ERROR IN VREG OR XREG NO TAG))))
(NULL R)
(QUOTE I)
(EQN R (QUOTE AC))
(QUOTE (15 I))
(NUMBP R)
(LIST R (QUOTE I))
(ATOM R)
(COMER2 R (QUOTE (ILLEG TAG)))
(NULL (CAR R)) (QUOTE I) (LIST (CAR R) (QUOTE I)))
(FUNCTION (BMCDS SYMBOL)
((XCLASS SYMBOL) (XBYTE SYMBOL))
(IF (AND (FULLW VBYTE) (FULLW XBYTE))
NIL (AND (ATCM VBYTE)
(EQN VBYTE XBYTE) (EQN XCLASS (QUOTE ACTIVE)))
VBYTE (BLOCK ((E1 SYMBOL)
(E2 SYMBOL) (E3 SYMBOL) (L1 SYMBOL) (L2 SYMBOL))
(IF (EQN XCLASS (QUOTE ACTIVE)) (GO A))
(SET E1 (QUOTE S))
(SET E2 (TRANS VBYTE))
(SET E3 (TRANS XBYTE))
B (IF (CR (NULL E2) (NULL E3))
(RETURN C)
(OR (EQ (SET L1 (LENGTH E2)) (SET L2 (LENGTH E3)))
(EQ L1 1) (EQ L2 1))
(GO C)
(GR L1 L2)
0006400
0006500
0006600
0006700
0006800
0006900
0007000
0007100
0007200
0007300
0007400
0007500
0007600
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0009900
0010000
0010100
0010200
0010300
0010400
0010500
0010600
0010700
0010800
0010900
0011000
0011100
0011200
0011300
0011400
0011500
0011600
0011700
0011800
0011900
0012000
0012100
0012200
0012300
0012400
0012500
0012600

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    (SET E2 (LIST (LAST E2)))
    (EQN E1 (QUOTE 'L))
    (SET E3 (LIST (LAST E3))) (RETURN 777777777777777777Q))
C (RETURN (MAKEID (COMPRESS (APPEND (CONS E1 E2)
    (CONS (QUOTE '.') E3))))))
A (SET E1 (QUOTE L))
(SET E2 (TRANS XBYTE)) (SET E3 (TRANS VBYTE)) (GO B)))
(FUNCTION (TRANS SYMBOL)
((B SYMBOL))
(IF (NULL B)
(QUOTE ('7))
(ATOM B) (COMER2 B (QUOTE (NOT A BYTE MODIFIER))) (TRANS1 B)))
(FUNCTION (TRANS1 SYMBOL)
((B SYMBOL))
(BLOCK ((R SYMBOL) (N SYMBOL) (A SYMBOL))
(SET R (CAR B))
(SET N (CADR B))
(IF (OR (GR (SET N (PLUS R N)) 48)
(NOT (EQ (REMAINDER R 6) 0)) (NOT (EQ (REMAINDER N 6) 0)))
(RETURN NIL))
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))))
(RETURN (COMER2 B (QUOTE (ILLEGAL MODIFIER))))))
(IF (EQ (SET R (PLUS R 6)) N) (RETURN A)) (GU X)))
(FUNCTION (TAGF SYMBOL)
((B SYMBOL) (A SYMBOL))
(IF (CR (EQ 0 A) (NULL A))
(IF (NULL B) 0 B)
(EQ 0 B)
A (NULL B)
A (ATOM A)
(IF (ATOM B) (LIST B A) (CONS A B))
(ATOM B) (CONS B A) (APPEND B A)))
(FUNCTION SASSOC (X L (FN (FUNCTIONAL SYMBOL))))
(IF (SET X (FIND X L)) X (FN)))
(MCVEP1 (FUNCTION (CNVL2AC SYMBOL)
((TYP SYMBOL) (BYT SYMBOL))
(BLOCK ((A SYMBOL) (B SYMBOL))
(IF (NULL (SET A (CONVP TYP)))
(RETURN 0)
(NOT (ATOM A))
(ATTACH (QUOTE (ARGS)))
(EQN A (QUOTE V))
(RETURN (BLOCK NIL (SET VTTYPE TYP) (RETURN 2)))
(EQN A (QUOTE 0I))
(GO NC)
(EQN A (QUOTE TRU))
(RETURN 1)
(EQN A (QUOTE IR))
(IF (NOT (FULLW BYT)) (RETURN 0) NIL)
(NOT (OR (EQN A (QUOTE MZ)) (EQN A (QUOTE SP)))) (RETURN 5))
(MOVACTIVE VTTYPE (QUOTE AC) NIL)
(IF (ATOM A) (GO CPEN))
(ATTACH (LIST (QUOTE CALL) A))
(BLOTTC)
FIN (SVACT (QUOTE AC) NIL)
(SET VTTYPE TYP)
(IF (FULLW BYT) (RETURN NIL))
(RETURN (ACT2ACT (QUOTE AC) BYT))
CPEN (IF (EQN A (QUOTE IR))
(BLOCK NIL (ATTACH (QUOTE (FLT (ENTRY B48.)))))
(BLOTH (QUOTE B)))
(EQN A (QUOTE MZ)))
0012700
0012800
0012900
0013000
0013100
0013200
0013300
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0013500
0013600
0013700
0013800
0013900
0014000
0014100
0014200
0014300
0014400
0014500
0014600
0014700
0014800
0014900
0015000
0015100
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0015500
0015600
0015700
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0015900
0016000
0016100
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0016400
0016500
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(ATTACH (QUOTE (BUC (ENTRY I2CENT) 0 4)))	0019000
(EQN A (QUOTE SP)) (GO S2B))	0019100
(BLOTCH (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 (BLOCK ((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 (NADD 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) 377777Q)) 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 BOOLEAN) 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 1G (CADR V)) -1)))
        (REMAINDER (CAR V) 6))) 37777777Q) 0028200
        (RETURN (CCNS (LIST (QUOTE NUMBER) (TIMES TYPE VAL)) NIL)))) 0028300
      (SET V (GETN (QUOTE (0 R L4567.7)
        1 (R L3456.7) 0028400
        2 (R L2345.7) 0028500
        3 (R L1234.7) 0028600
        4 (R L0123.7) 5 (R L012.7) 6 (R L01.7) 7 (R L0.7))) 0028700
        (IQUOTIENT (CAR V) 6))) 0028800
      (RETURN (LIST (WORDCR 0Q (TIMES TYPE VAL))
        (APPEND (IF V V (QUOTE (R))) B)))))) 0028900
  (FUNCTION (MMSK SYMBOL) 0029000
    ((B SYMBOL)) 0029100
    (BLOCK NIL (SET B (WHATBITS B)) 0029200
      (RETURN (WORDAND (SHIFT 3777777777777777Q (CAR B)
        (SHIFT 3777777777777777Q (PLUS -47 (CAR B) (CADR B))))))) 0029300
  (FUNCTION (MDECRL SYMBOL) 0029400
    NIL (IF (EQN VCLASS (QUOTE ACTIVE)) 0029500
      (TRANSA2L)) 0029600
      (EQN VCLASS (QUOTE LCC)) 0029700
      (IF (OR VIND VREG) (COMERR (QUOTE (CAN NOT BE A DECR))) VADDR) 0029800
      (NOT (EQN VCLASS (QUOTE DATUM)))) 0029900
      (COMER2 VCLASS (QUOTE (NOT A LEGAL CLASS))) 0030000
      (OR (EQN VTYPE (QUOTE REAL)) 0030100
        (EQN VTYPE (QUOTE OCTAL)) (EQN VTYPE (QUOTE INTEGER))) 0030200
        (LIST (QUOTE NUMBER) VADDR) 0030300
        (EQN VTYPE (QUOTE SYMBOL)) 0030400
        (SYMCD VADDR) 0030500
        (EQN VTYPE (QUOTE BOOLEAN)) 0030600
        (IF VADDR 1 0) (COMER2 VTYPE (QUOTE (IS NOT A LEGAL DECR)))))) 0030700
      (MCVEP2 (FUNCTION (CNVD SYMBOL) 0030800
        (MCVEP2 (FUNCTION (CNVD SYMBOL) 0030900
          (MCVEP2 (FUNCTION (CNVD SYMBOL) 0031000
            (MCVEP2 (FUNCTION (CNVD SYMBOL) 0031100
              (MCVEP2 (FUNCTION (CNVD SYMBOL) 0031200
                (MCVEP2 (FUNCTION (CNVD SYMBOL) 0031300
                  (MCVEP2 (FUNCTION (CNVD SYMBOL) 0031400
                    (MCVEP2 (FUNCTION (CNVD SYMBOL) 0031500

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((NT SYMBOL)) 0031600
(BLOCK NIL (IF (NULL (CCNVP NT))
  (RETURN (COMERR (QUOTE (TYPES NOT CONVERTIBLE))))))
  0031700
  (SET VADDR (CNVDATM VTYPE VADDR NT)) (SET VTYPE NT))
  0031800
(FUNCTION (CNVDATM SYMBOL) 0031900
((OTYP SYMBOL) (VAL SYMBOL) (NTYP SYMBOL)) 0032000
(BLOCK ((W SYMBOL) (VTYPE SYMBOL)) 0032100
  (IF (OR (EQN NTYP (QUOTE SYMBOL)) (EQN OTYP NTYP)) (RETURN VAL)) 0032200
  (SET VTYPE OTYP)
  (IF (NCT (ATOM (SET W (CONVP NTYP)))) 0032300
    (GO CC)
    (NULL W)
    (RETURN NIL) 0032400
    (EQN W (QUOTE V))
    (RETURN VAL) 0032500
    (EQN W (QUOTE OI))
    (RETURN (IF (NUMBP VAL) (PLUS VAL 0) 0)) 0032600
    (EQN W (QUOTE IR))
    (GO CCC)
    (EQN W (QUOTE TRU))
    (RETURN (QUOTE TRUE)) 0032700
    (EQN W (QUOTE MZ))
    (RETURN (IF (EQ 0 VAL) 0 (WORDCR 0Q VAL))) 0032800
    (EQN W (QUOTE SP))
    (RETURN (IF (CR (NULL VAL) (EQN VAL (QUOTE FALSE))) 0032900
      NIL (QUOTE TRUE)))) 0033000
  CC (IF (EQN OTYP (QUOTE REAL)) 0033100
    (IF (NOT (NUMBP VAL)) 0033200
      (GO CCC)
      (EQN NTYP (QUOTE INTEGER)) 0033300
      (RETURN (ENTIER VAL)) 0033400
      (EQN NTYP (QUOTE OCTAL)) 0033500
      (RETURN (WORDCR 0Q (ENTIER VAL))) NIL) 0033600
    (EQN CTYP (QUOTE SYMBOL)) 0033700
    (IF (EQN NTYP (QUOTE FUNCTIONAL)) 0033800
      (RETURN (COMERR (QUOTE (CNV OF A DATUM TO TYPE FUNCTIONAL)))) 0033900
      (MEMBER NTYP (QUOTE (INTEGER OCTAL REAL))) (GO CCC)) 0034000
  (RETURN (COMERR (LIST CTYP (QUOTE TO)
    NTYP (QUOTE (DOESNT MAKE SENSE FOR DATUM))))) 0034100
  CCC (IF (NCT (NUMBP VAL)) 0034200
    (BLOCK NIL (CCMER2 VAL (QUOTE (IS NOT A NUMBER YOU KNOW))) 0034300
      (SET VAL 0)))
    (RETURN (IF (EQN NTYP (QUOTE INTEGER)) 0034400
      (ENTIER VAL)
      (EQN NTYP (QUOTE REAL)) 0034500
      (FLOAT VAL)
      (EQN NTYP (QUOTE OCTAL)) (WORDCR 0Q (ENTIER VAL)) 0))) 0034600
    (FUNCTION (MCVARG SYMBOL) 0034700
      ((XTYPE SYMBOL) (XREG SYMBOL) (XBYTE SYMBOL) (ICLASS SYMBOL)) 0034800
      (IF (EQN ICLASS (QUOTE BXE)) 0034900
        (MDECR)
        (NOT (EQN VTYPE XTYPE)) 0035000
        (MOVARG2 XTYPE XREG XBYTE ICLASS) 0035100
        (NULL (SET XTYPE (EXHOCKY ICLASS XBYTE))) 0035200
        (MOVACTIVE VTYPE XREG XBYTE) 0035300
        (EQN ICLASS (QUOTE LDX)) (CDR (MLDX XTYPE XREG)) XTYPE)) 0035400
    (FUNCTION (MCVARG2 SYMBOL) 0035500
      ((XTYPE SYMBOL) (XREG SYMBOL) (XBYTE SYMBOL) (ICLASS SYMBOL)) 0035600
      (BLOCK ((X SYMBOL)) 0035700
        (IF (NULL (SET X (CCNVP XTYPE))) 0035800
          (RETURN (COMERR (QUOTE (TYPE CCNV NOT LEGAL)))) 0035900
          (NOT (ATOM X))
          (RETURN (MCVACTIVE XTYPE XREG XBYTE))) 0036000
        ) 0036100
      ) 0036200
    ) 0036300
  ) 0036400
) 0036500
(MDECR) 0036600
(NOT (EQN VTYPE XTYPE)) 0036700
(MOVARG2 XTYPE XREG XBYTE ICLASS) 0036800
(NULL (SET XTYPE (EXHOCKY ICLASS XBYTE))) 0036900
(MOVACTIVE VTYPE XREG XBYTE) 0037000
(EQN ICLASS (QUOTE LDX)) (CDR (MLDX XTYPE XREG)) XTYPE)) 0037100
(FUNCTION (MCVARG2 SYMBOL) 0037200
  ((XTYPE SYMBOL) (XREG SYMBOL) (XBYTE SYMBOL) (ICLASS SYMBOL)) 0037300
  (BLOCK ((X SYMBOL)) 0037400
    (IF (NULL (SET X (CCNVP XTYPE))) 0037500
      (RETURN (COMERR (QUOTE (TYPE CCNV NOT LEGAL)))) 0037600
      (NOT (ATOM X))
      (RETURN (MCVACTIVE XTYPE XREG XBYTE))) 0037700
    ) 0037800
  ) 0037900
) 0038000

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(EQN X (QUOTE CI))	0037900
(GO AFTER)	0038000
(EQN X (QUOTE V))	0038100
(GO BEFORE)	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 (BLOCK ((VCLASS SYMBOL)))	0039000
(VTYPE SYMBOL)	0039100
(VREG SYMBOL)	0039200
(VIND SYMBOL) (VBYTE SYMBOL) (VINV SYMBOL) (VADDR SYMBOL))	0039300
(SETTRU) (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 SYMBOL) (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 AC)	0041800
DA (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 (SYMC0 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 (CCONS 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

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(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)
    (LIST C (LIST (QUOTE R) VREG))
    (EQN VREG (QUOTE AC))
    (LIST C (QUOTE (R 15))) (LIST (TRANSA2L)))
    (LIST (TRANSA2L) A)))
(RETURN (LIST VADDR (TAGF A (ADDRMODS VIND VREG))))) 0045000
LDXR (IF (CR (EQN VTYPE (QUOTE INTEGER))) 0045200
  (EQN VTYPE (QUOTE OCTAL)))
(RETURN (LXN VADDR)) 0045300
  (EQN VTYPE (QUOTE REAL)) 0045400
(RETURN (LXN (ENTIER VADDR))) 0045500
  (EQN VTYPE (QUOTE SYMBOL)) 0045600
(RETURN (LIST (SYMC0 VADDR) (QUOTE R))) 0045700
  (EQN VTYPE (QUOTE BOOLEAN)) 0045800
(RETURN (LIST (IF VADDR 1 0) (QUOTE R))) 0045900
  (EQN VTYPE (QUOTE FUNCTIONAL)) 0046000
(RETURN (LIST (LIST (QUOTE FUNCTION) VADDR) (QUOTE R))) 0046100
  (RETURN NIL)) 0046200
(F (IF (EQN VCLASS (QUOTE DATUM)))
  (GO FD) (EQN VTYPE (QUOTE REAL)) (GO FR) (RETURN NIL)) 0046300
FD (IF (EQN VTYPE (QUOTE REAL))
  (RETURN (LIST (LIST (QUOTE NUMBER) VADDR))) 0046400
  (OR (EQN VTYPE (QUOTE INTEGER)) (EQN VTYPE (QUOTE OCTAL)))) 0046500
  (RETURN (LIST (LIST (QUOTE NUMBER) (FLOAT VADDR)))) 0046600
  (RETURN NIL)) 0046700
FR (IF (EQN VCLASS (QUOTE ACTIVE))
  (RETURN (LIST (TRANSA2L))) 0046800
  (EQN VCLASS (QUOTE LOC)) 0046900
  (RETURN (LIST VADDR (ADDRMODS VIND VREG))))) 0047000
  (FUNCTION (MCVCI SYMBCL)) 0047100
  ((XREG SYMBCL) (XBYTE SYMBOL))
(BLOCK NIL (MCVACTIVE VTYPE XREG XBYTE) 0047200
  (SET VTYPE (QUOTE INTEGER)) (RETURN NIL))) 0047300
(MCVEP3 (FUNCTION (MAKELOC SYMBOL)) 0047400
  NIL (BLOCK NIL (IF (NOT (AND (EQN VCLASS (QUOTE LOC))
    (FULLW VBYTE) (NULL VINV)))
    (RETURN (COMER2 (VLIST) (QUOTE (NOT LEGAL FOR MAKELOC)))))) 0047500
  (ATOM VREG)
  (IF (NULL VREG) (SET VREG 0) NIL) (SET VREG (CAR VREG))) 0047600
  (IF VIND (GO INDIRECT)
    (OR (NULL VADDR) (EQ VADDR 0)))
    (GO TONLY)
    (MEMBER VREG (QUOTE (AC 15))) 0047700
    (GO AVADDR)
    (EQ 0 VREG)
    (BLOCK NIL (ATTACH (LIST (QUOTE LDX) VADDR (QUOTE R) 4))
      (SET VREG 4))
      (ATTACH (LIST (QUOTE BAX) (QUOTE (D. 1)) VREG VADDR))) 0047800
    (BLOTH VREG)
    (GO LONLY)
    AVADDR (ATTACH (LIST (QUOTE ADD) VADDR (QUOTE (R L567.7)))) 0047900
    (GO DONE)
    TONLY (IF (MEMBER VREG (QUOTE (AC 15))) (GO DONE)) 0048000
    LONLY (ATTACH (LIST (QUOTE LDA) (TRANSA2L) (QUOTE L567.7))) 0048100
    (GO DONE)
    INDIRECT (ATTACH1 (LIST (QUOTE LDA) VADDR VREG))
    DONE (SET VTYPE (QUOTE SYMBOL))
    (BLOTH (QUOTE AC)) (RETURN (SVACT (QUOTE AC) NIL)))) 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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(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 LCC))	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
CAT2ACT (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
(NUMBP 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.A.))	0052800
(EQN VADDR (QUOTE PUSH.P.))) (SET VADDR (QUOTE POP.)))	0052900
A2L (IF (NULL (SET S (CNVL2AC XTYPE (IF (EQN XREG (QUOTE AC))	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))	0054000
(QUOTE TC) XTYPE XREG XBYTE (QUOTE ILLEGAL) S))	0054100
(SET VTYPE XTYPE)	0054200
(GO MOVA)	0054300
NOCNV (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)	0054900
(QUOTE (NOT LEGAL FOR MOVACTIVE)))	0055000
(SVACT XREG XBYTE) (SET VTYPE XTYPE) (RETURN NIL))))	0055100
A2A (RETURN (ACT2ACT XREG XBYTE))	0055200
SPECH (IF (AND (EQN VTYPE (QUOTE SYMBOL)) (ISINV (QUOTE MINUS)))	0055300
(LSYMNS)) (GO MCVA)))	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 (BLCK NIL (CCMERR (QUOTE (ACT2ACT ENTERED WITH VCLASS	0056200
NCT ACTIVE)))) (RETURN (MOVACTIVE VTYPE XREG XBYTE))))	0056300
(EQN VREG XREG) (GC BCONLY) (REG XBYTE) (GO RONLY))	0056400
BOTH (IF (AND (OR (NUMBP VREG) (NUMBP XREG))	0056500
(LXRM VBYTE) (LXRM XBYTE))	0056600
(GO HFS))	0056700

(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
(ATTACH1 (ACT2ACT VREG XBYTE))	C058000
(IF (NCT (EQN XREG (QUOTE AC)))	C058100
(GO RCONLY)	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 RCONLY))	C058600
(GO DCNE))	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)	0060000
(NUMBP VREG)	0060100
(RETURN (BLOCK ((VINV SYMBOL)))	0060200
(SET VINV (QUOTE (MINUS)))	0060300
(ATTACH1 (ACT2ACT (QUOTE AC) XBYTE) (ACT2ACT XREG XBYTE)))	0060400
(ATTACH (LIST (LDCMP VREG) (TRANSA2L))))	0060500
NOINV (IF (BEQ XBYTE) (RETURN (SVACT XREG XBYTE)))	0060600
ADJBYT (IF (NUMBP XREG)	0060700
(GO SWAP))	0060800
(SET A (EXHOCKY (QUOTE LDA) XBYTE))	0060900
(ATTACH1 (CCNS (LOPC XREG) A))	0061000
(EQN VREG (QUOTE L)) (GO TSTL) (GO ABSHFT))	0061100
(GO DCNE))	0061200
ABSHFT (IF (NOT (EQ 0 (CADR (SET A (SPARAM XBYTE))))))	0061300
(ATTACH (CCNS (IF (EQN VREG (QUOTE AC))	0061400
(QUOTE SFA) (EQN VREG (QUOTE B)) (QUOTE SFB) (QUOTE SHIFT))	0061500
(CDR A))))	0061600
(IF (EQN (CAR A) (QUOTE SHIFT)) (GO DONE))	0061700
MSK (SET VBYTE (CONS (CAR (SET A (WHATBITS XBYTE))))	0061800
(IF (GR (CADR (SET VBYTE (WHATBITS VBYTE))))	0061900
(CADR (SET A (WHATBITS XBYTE)))) (CDR A) (CDR VBYTE))))	0062000
(IF (OR (EQN VREG (QUOTE B)) (EQN VREG (QUOTE L))) (GO INB))	0062100
(ATTACH (CCNS (QUOTE ANA))	0062200
(NADER (MMSK VBYTE) (QUOTE OCTAL) NIL)))	0062300
(GO DCNE))	0062400
INB (ATTACH (CCNS (QUOTE LDA))	0062500
(NADER (MMSK VBYTE) (QUOTE OCTAL) NIL)))	0062600
(BLITCH (QUOTE AC))	0062700
(ATTACH (LIST (QUOTE ANS) (TRANSA2L)))	0062800
(GO DCNE))	0062900
TSTL (IF (EQ (CADR (SPARAM XBYTE)) 0) (GO MSK))	0063000

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 (LCPC XREG) (TRANSA2L))))	0063900
(GO DONE1)	0064000
ER1 (ATTACH (LIST (LCPC 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 (NCT (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 (CCNS (LCPC 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 SYMCL) (B SYMBCL)) (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 WORK)	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 VADDR (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 (EBND 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
(BLGTCR 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 PUSHP.) (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 (MVLCP XTYPE XADDR XREG XIND XBYTE)))	0071000
(SET V (VLIST))	0071100
(SET Y (CAR (SET L (BLOCK ((LISTING SYMBOL) (VBLT SYMBOL))	0071200
(MVLCCP 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 MOVSAY))	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 MOVSAY))	0072500
END (SET LISTING (NCCNC (CDR L) LISTING))	0072600
(SET VBLCT (UNION VBLT Y))	0072700
(RETURN NIL)	0072800
MOVSAY (VSET V)	0072900
(RETURN (MCVSAV XTYPE XADDR XREG XIND XBYTE NIL))))	0073000
(FUNCTION (MVLCCP SYMBOL))	0073100
((XTYPE SYMBOL))	0073200
(XADDR SYMBOL) (XREG SYMBOL) (XIND SYMBOL) (XBYTE SYMBOL))	0073300
(BLOCK ((A SYMBOL))	0073400
(IF (NCT (EQN VTYPE XTYPE)) (GO SE))	0073500
ST (IF (CR (EQN VCLASS (QUOTE ACTIVE)) (L2AP.))	0073600
(RETURN (ACT2LCC 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 (MCVACTIVE 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 OI)) (CC DINK) (GO STF))	0076300
(GO ST)	0076400
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
(ACEQ (SET Y (IF (ATCM VREG) VREG (CAR VREG))) X))	0078300
(COMERR (QUOTE (VREG AND XREG ARE THE SAME FOR MOVLUC))))	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
(MOVLLOC XTYPE (QUOTE PCP.) NIL (QUOTE INDIRECT) XBYTE)	0078900
(IF (MEMBER XADDR (QUOTE (POP. TOP. PUSHA. PUSHP.)))	0079000
(ATTACH (QUOTE (POP. 1)))) (RETURN (SVLLOC 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

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  (RETURN TRUE) 0082000
  X (IF (FULLW XBYTE) 0082100
    (ATTACH1 (CCNS (QUOTE STZ) IADR)) 0082200
    (BLOCK NIL (ATTACH1 (COMPMSK XBYTE))) 0082300
    (ATTACH1 (CONS (QUOTE ANS) IADR)) (BLOTHC (QUOTE AC)) G01615)) 0082400
    (RETURN TRUE))) 0082500
  (FUNCTION (ACEQ SYMBOL) 0082600
    ((V SYMBOL) (X SYMBOL)) 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 (ACT2LOC SYMBOL) 0083100
    ((XADDR SYMBOL) (XREG SYMBOL) (XIND SYMBOL) (XBYTE SYMBOL)) 0083200
    (BLOCK ((X SYMBOL) (Y SYMBOL)) 0083300
      C (IF (NOT (EQN VCLASS (QUOTE ACTIVE))) 0083400
        (RETURN (BLOCK NIL (CCMERR (QUOTE (ACT2LOC ENTERED AND VCLASS IS
          NOT ACTIVE))))) 0083500
        (RETURN (MOVLOC VTYPE XADDR XREG XIND XBYTE)))) 0083600
      VINV (RETURN (BLOCK NIL (MOVACTIVE VTYPE VREG XBYTE)
        (RETURN (ACT2LOC XADDR XREG XIND XBYTE))))) 0083700
      (NUMBP VREG) 0083800
      (GO STX) 0083900
      (FULLW XBYTE) 0084000
      (GO STF) (NUMBP (SET X (BMODS (QUOTE LOC) XBYTE))) (GO MSKS)) 0084100
      (ATTACH1 (LIST (STOC VREG) XADDR (TAGF (ADDRMODS XIND XREG) X))) 0084200
      (GO XX) 0084300
      STF (ATTACH1 (LIST (IF (OR (EQ VREG (QUOTE AC))
        (NOT (FULLW VBYTE)))) 0084400
        (BLOCK NIL (ACT2ACT (QUOTE AC) NIL) (RETURN (QUOTE STF))) 0084500
        (STOC VREG) XADDR (ADDRMODS XIND XREG))) 0084600
      (GO XX) 0084700
      STX (IF (NULL (SET X (STXR XBYTE))) (GO CREG)) 0084800
      (ATTACH1 (LIST (QUOTE STX)
        XADDR (TAGF (IF (EQN X (QUOTE RA)) O X)
        (ADDRMODS XIND XREG)) VREG)) 0084900
      (GO XX) 0085000
      CREG (IF (NUMBP (BMCDS (QUOTE LCC) XBYTE))
        (SET X (QUOTE AC)) (SET X (QUOTE L))) 0085100
      (ACT2ACT X VBYTE) 0085200
      (GO O) 0085300
      MSKS (ACT2ACT (QUOTE L) XBYTE) 0085400
      (SET X (IF (EQ O (SET X (ADDRMCCS XIND XREG))) NIL (LIST X))) 0085500
      (SET LISTING (NCNC (REVERSE (LIST (COMPMSK XBYTE)
        (APPEND (LIST (QUOTE ANA)
          (IF (MEMBER XADDR (QUOTE (POP. PUSHA. PUSHP.)))
            (QUOTE TOP.) XADDR)) X)
        (QUOTE (CAR L.))
        (APPEND (LIST (QUOTE STF) XADDR) X))) LISTING))
      (BLOTHC (QUOTE AC)) XX (RETURN (SVLOC XADDR XREG XIND XBYTE)))) 0085600
  (FUNCTION (CCMPMSK SYMBOL) 0085700
    ((XBYTE SYMBOL)) 0085800
    (BLOCK ((VBYTE SYMBOL)) 0085900
      (RETURN (CCNS (QUOTE LDA)
        (NADER (WCRDXCR 777777777777777777 (MMSK XBYTE))
        (QUOTE CCTAL) NIL)))) 0086000
  (FUNCTION (ATTACH1 SYMBOL) 0086100
    ((X SYMBOL)) 0086200
    (BLOCK ((Y SYMBOL)) 0086300
      (IF (AND (CDR X) (SET Y (CDDR X))) (GB A)) 0086400
      (ATTACH X) 0086500
      (RETURN NIL) 0086600
      A (IF (ATOM (CAR Y))
        (IF (NULL (CDR Y)) 0086700
          0086800
          0086900
          0087000
          0087100
          0087200
          0087300
          0087400
          0087500
          0087600
          0087700
          0087800
          0087900
          0088000
          0088100
          0088200
        )) 0088300
      )) 0088400
    )) 0088500
  )) 0088600
)) 0088700

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(IF (EQ 0 (CAR Y))	0088300
(ATTACH (LIST (CAR X) (CADR X))) (ATTACH X)) (ATTACH X))	0088400
(GO SBL)) (RETURN NIL) SBL (ATTACH X)))	0088500
(FUNCTION (STXR SYMBOL))	0088600
((XBYTE SYMBOL))	0088700
(IF (OR (ATCM XBYTE) (EQ 18 (CADR XBYTE))) (LXRM XBYTE) NIL))	0088800
(FUNCTION (FULLW SYMBOL))	0088900
((XBYTE SYMBOL)) (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 SYMBOL))	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
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(SIM2 (SECTION MANIP BCLEAN)	C000100
(FLNCTION ((SIM . LISP) BOOLEAN)	C000200
((P SYMBOL) (X SYMBOL))	C000300
(IF (ATCM P)	C000400
(ATMFN P X)	C000500
(ATOM (CAR P))	C000600
(IF (EQ (QLCTE OR.) (CAR P)) (CRFN (CDR P) X) (SIMFN P X))	C000700
(EQ (CAAR P) (QUOTE ANY.))	C000800
(ANYFN P X)	C000900
(EQ (CAAR P) (QUOTE C.))	C001000
(CNTFN (CACAR P) (CADDR P) (ACDDAR P) (CDR P) X) (SIMFN P X))	C001100
(FLNCTION (SIMFN BOOLEAN)	C001200
((P SYMBOL) (X SYMBOL))	C001300
(IF (ATCM X)	C001400
FALSE (AND (SIM (CAR P) (CAR X)) (SIM (CDR P) (CDR X))))	C001500
(FLNCTION (ATMFN BOOLEAN)	C001600
((P SYMBOL) (X SYMBOL))	C001700
(BLOCK ((Z SYMBOL (FIND P METALST)))	C001800
(IF (NULL Z) (RETURN (EQUALN P X)))	C001900
(BLOCK ((F (FUNCTIONAL BOOLEAN SYMBOL) (CDR Z)))	C002000
(RETURN (F X))))	C002100
(FLNCTION (CRFN BCLEAN)	C002200
((L SYMBOL) (X SYMBOL))	C002300
(BLOCK ((Y SYMBOL))	C002400
(FOR Y (IN L) (IF (SIM Y X) (RETURN TRUE))) (RETURN FALSE))	C002500
(FLNCTION (ANYFN BCLEAN)	C002600
((P SYMBOL) (X SYMBOL))	C002700
(IF (ATCM X)	C002800
(SIM (CDR P) X)	C002900
(ORFN (CDAR P) (CAR X)) (SIM (CDR P) (CDR X)) (SIM (CDR P) X))	C003000
(FLNCTION (CNTFN BOOLEAN)	C003100
((I INTEGER) (J INTEGER) (M SYMBOL) (P SYMBOL) (X SYMBOL))	C003200
(IF (EQ I 0)	C003300
(IF (EQ J C)	C003400
(SIM P X)	C003500
(AND (NOT (ATCM X)) (SIM M (CAR X)))	C003600
(CNTFN @ (DIFFERENCE J 1) M P (CDR X)) (SIM P X))	C003700
(AND (NOT (ATOM X))	C003800
(SIM M (CAR X))	C003900
(CNTFN (DIFFERENCE I 1) (DIFFERENCE J 1) M P (CDR X))))	C004000
(DECLARE (METALST SYMBOL))	C004100
(SET METALST (LIST (CCNS (QUOTE A.))	C004200
(FUNCTION ((GC2427 . G02428) BCLEAN) ((A SYMBOL)) (ATOM A)))	C004300
(CONS (QUOTE N.))	C004400
(FUNCTION ((GC2429 . G02430) BCLEAN) ((N SYMBOL)) (NUMEP N)))	C004500
(CONS (QUOTE S.))	C004600
(FUNCTION ((GC2431 . G02432) BCLEAN) ((X SYMBOL)) TRUE))	C004700
(CONS (QUOTE L.))	C004800
(FUNCTION ((GC2433 . G02434) BCLEAN) ((X SYMBOL)) (LISTP X)))	C004900
(CONS (QUOTE ID.))	C005000
(FUNCTION ((GC2435 . G02436) BCLEAN) ((X SYMBOL)) (IDP X)))	C005100
(CONS (QUOTE V.))	C005200
(FUNCTION ((GC2437 . G02438) BCLEAN)	C005300
((X SYMBOL)) (SIM (QUOTE (OR. ID. (ID. . ID.))) X))))))	C005400

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(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 COMPIL 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 . COMPIL) SYMBOL) ((X SYMBOL)))	0002000
(FUNCTION ((COMER2 . COMPIL) SYMBOL) (A B))	0002100
(FUNCTION ((FUNCTIO . COMPIL) SYMBOL) (A))	0002200
(FUNCTION ((FNDEC . COMPIL) SYMBOL) ((EXP SYMBOL)))	0002300
(FUNCTION ((DECL1 . COMPIL) SYMBOL) ((D SYMBOL)))	0002400
(FUNCTION ((SECSET . COMPIL) SYMBOL)	0002500
((IDLIST SYMBOL) (DFTYPE SYMBOL)))	0002600
(FUNCTION ((DEFAULT . COMPIL) SYMBOL) ((DFTYPE SYMBOL)))	0002700
(DECLARE ((IRLIST . COMPIL) FLUID)	0002800
((APLIST . COMPIL) FLUID) ((STYPE . COMPIL) 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 . LCCMP) SYMBOL) ((EXP SYMBOL FREE) (T SYMBOL)))	0004100
(FUNCTION SREAD 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 COMPIL LCCMP 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 . COMPIL) (QUOTE SYMBOL))	0005400
((LISPVALUE . LISP) NIL)	0005500
((SLIST . COMPIL) (QUOTE (USER LISP)))	0005600
(INDEV FLUID (DEVTYPE INFILE)) R)	0005700
(BLOCK ((SNAME . COMPIL) (CAR (SLIST . COMPIL))))	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 ONEPASS (ED1SUP R) (ED2SUP R))))	0006300

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  (RETURN (IF (EQ FORMAT (QUOTE IL)) (CADR R) R)))          C006400
  (GO X) CUT (MESSAGE (QUOTE LISPEXIT)) (RETURN LISPVALUE)))  C006500
(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)                                              C006600
  (IF PRNIL (SPRINT R))                                    C006700
  (RETURN R)                                              C006800
  ERR (IF (EQ INDEV (QUOTE TTY))
    (BLOCK NIL (IF PRNERR (MESSAGE R)) (INPUT IN) (EXIT R)))  C006900
  (MESSAGE R)                                            C007000
  (MESSAGE (QUOTE (*STRING 'B 'A 'D ' 'R 'E 'A 'D ', ' IT 'R 'Y '
    'A 'G 'A 'I 'N '.))) (GO A)))                         C007100
(FUNCTION SPRINT (X)
  (BLOCK ((CUT (OUTPUT OUTFILE)))
    (PRETTYP X) (OUTPUT OUT) (RETURN X)))                  C007200
(FUNCTION ED1SUP (J)
  (IF (NOT (LISTP J))
    (CONS J (QLCTE (NOT ED FORMAT)))
    (BLOCK ((PASS 1))
      (RETURN (CCNS (CAR J) (MAPCAR (CDR J) OPERATE))))))  C007300
  (C007400
(FUNCTION ED2SUP (J)
  (IF (NOT (LISTP J))
    (CONS J (QLCTE (NOT ED FORMAT)))
    (BLOCK NIL (IF (GR (LENGTH J) 2)
      (BLOCK (((SNAME . COMPIL) SNAME)
        ((SLIST . COMPIL) SLIST) ((STYPE . COMPIL) STYPE))
        (ED1SUP J)))
      (BLOCK ((PASS 2))
        (RETURN (CCNS (CAR J) (MAPCAR (CDR J) OPERATE)))))))  C007500
  (C007600
(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. IV. ID.)) L. (ANY. S.))) (CDR X))
        (BLOCK NIL (SET Z (IF (OR (EQ PASS 1) (NULL (CDDR X)))
          (FNDEC X) (COMPILER X))) (GO TESTEM)))
      (C010400
    (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) (CAADADR X)))
          (GO TESTEM))) (LABEL EVAL (TRY Z EVALER (RETURN (EVAL X)))))))
      (COMER2 X (QUOTE (SYNTAX ERROR)))  C012600
  (C012700

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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))
  (IF (NOT ((LISP . LISP) ITTY CTTY (QUOTE IL))) (GO RET))
  (SET X BADEXP) (GO RESTART)))        0013100
(FUNCTION EVALQUOTE (FNAME)
  (BLOCK ((FN (FUNCTIONAL SYMBOL FUNCTIONAL) (CDR FNAME)))
    (RETURN (FN (CAR FNAME)))))        0013200
 0013300
(FUNCTION LAPP (L)
  (IF (NOT BINLAP)
    (BLOCK NIL (IF PRNLAP (SPRINT L)))
    (BLOCK ((X (LAP (CADR L) (CADDR L) (CADDR L))))
      (IF ERRFLG (RETURN (LIST X (QUOTE BAD))) PRNLAP (SPRINT L))
      (IF (EQ (QUOTE RUN) (CDR X))
        (BLOCK ((V (EVAL (LIST X)))
          (EXCISE (CAR X) (CDR X)) (RETURN V)) (RETURN X)))))))
 0013400
 0013500
 0013600
 0013700
 0013800
 0013900
 0014000
 0014100
 0014200
 0014300
 0014400
 0014500
 0014600
 0014700
 0014800
 0014900
 0015000
 0015100
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 0016000
 0016100
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 0016400
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 0016700
 0016800
 0016900
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 0017100
 0017200
 0017300
 0017400
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 0017600
 0017700
 0017800
 0017900
 0018000
 0018100
 0018200
 0018300
 0018400
 0018500
 0018600
 0018700
 0018800
 0018900

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(SUBST V (QUOTE V))	0015000
(QUOTE (LAP (FUNCTION (V SYMBOL)	0019100
NIL (BEGIN . E) NIL RUN))))))	0019200
(GO RUN)	0019300
BCP (IF (EQ TRYLC (QUOTE ONLY)) (GO ERROR))	0019400
BC (SET L ((FUNCTIC . COMPILE	0019500
(LIST (QUOTE FUNCTION) (LIST V (QUOTE SYMBOL)) NIL J)))	0019600
RUN (IF (ERRFLG . SUPV) (GO ERRCR))	0019700
(LAP (CADR L) (CADDR L) (CADDR L))	0019800
(IF (ERRFLG . SUPV) (GO ERROR))	0019900
(BLOCK ((G (FUNCTIONAL SYMBOL) (NAME2FUNC V))	0020000
((PRNERR . LISP) FALSE)) (TRY L EXERR (SET L (G))))	0020100
(EXCISE (CAR V) (CDR V))	0020200
(RETURN L))	0020300
EXERR (MESSAGE (LIST J (QUOTE (*STRING 'E 'V 'A 'L 'E 'X 'I	0020400
'T 'V 'A 'L 'U 'E 'I 'E 'I)) L))	0020500
(MESSAGE (LIST (QUOTE (*STRING 'B 'A 'C 'T 'R 'A 'C 'E 'I 'E 'I	0020600
')) BACKTRACE))	0020700
(EXCISE (CAR V) (CDR V))	0020800
ERROR (EXIT (QUOTE (*STRING 'B 'A 'D 'E 'V 'A 'L 'I))))))	0020900
(FUNCTION EXCISE (N S))	0021000
(BLOCK NIL (DELETE (GETFREE N S) KEEP))	0021100
(RETURN ((EXCISE . LISP) N S))))))	0021200
****END OF FILE DETECTED	

(LCOMP (SECTION (LCOMP SYS) SYMBOL))	C00C100
(DECLARE (LISTING SYMBOL FREE))	C000200
(EXP SYMBOL FREE)	C000300
(INV SYMBOL FREE)	C000400
((TRYLC . LISP) SYMBOL FREE TRUE)	C000500
((SLIST . CCMPIL) SYMBOL FREE)	C000600
((STYPE . CCMPIL) SYMBOL FREE)	C000700
((ERRFLG . SUPV) BOOLEAN FREE)	C000800
((PASS . SUPV) INTEGER FREE)	C000900
((PRNERR . LISP) BOOLEAN FREE))	C001000
MACRO1 (((NAME2FUNC (LAMBDA (L)	C001100
(SUBST (CADR L)	C001200
(QUOTE V)	C001300
(QUOTE (CHEAT INTEGER FUNCTIONAL (PLUS (S20. (GETFREE (CAR V)	C001400
(CDR V)) 1777777Q)))))))	C001500
(FUNCTION (LCEXP SYMBOL))	C001600
((EXP SYMBOL FREE) (T SYMBOL)) (LCCCNV (LCE EXP) T))	C001700
(FUNCTION (LCE SYMBOL))	C001800
((EXP SYMBOL FREE))	C001900
(BLOCK ((X SYMBOL))	C002000
(IF (AND (ATCM EXP) (NOT (IDP EXP)))	C002100
(RETURN (LCE (QUOTER EXP))) (LISTP EXP) (RETURN (LCFORM)))	C002200
(SET X (LCVAR EXP FALSE))	C002300
(IF (NULL X) (LCEEXIT))	C002400
(ATTACH (CCNS (QUOTE LDA) (CDR X))) (RETURN (CAR X))))	C002500
(FUNCTION (LCFORM SYMBOL))	C002600
NIL (BLOCK ((V SYMBOL (CAR EXP))	C002700
(D SYMBOL)	C002800
(C SYMBOL) (X SYMBOL) (L SYMBOL) (A SYMBOL) (T SYMBOL))	C002900
(IF (NULL (SET D (LCFREE V))) (LCEEXIT))	C003000
(IF (EQ (CAR D) (QUOTE MACRO))	C003100
(BLOCK ((G (FUNCTIONAL SYMBOL SYMBOL) (NAME2FUNC V)))	C003200
(RETURN (LCE (G EXP))))	C003300
(EQ (CAR G) (QUOTE INSTRUCTIONS))	C003400
(IF (NQ (CDR V) (QUOTE LLISP))	C003500
(LCEEXIT)	C003600
(BLOCK ((G (FUNCTIONAL SYMBOL) (NAME2FUNC V))	C003700
(INV SYMBOL FREE) (G) (RETURN INV)))	C003800
(OR (EQ (CAR D) (QUOTE FUNCTION)) (EQ (CAR D) (QUOTE ROUTINE)))	C003900
(SET C (LIST (LIST (QUOTE CALL) V)))	C004000
(EQ (CAR (SET X (LCVAR V FALSE))) (QUOTE FUNCTIONAL))	C004100
(SET C (SUBST (CDR X))	C004200
(QUOTE A)	C004300
(QUOTE ((LDB . A))	C004400
(STB (FMCALL . SYS)) (CALL (FMCALL . SYS))))))	C004500
(LCEEXIT))	C004600
CALL (ATTACH (QUOTE (ARGS)))	C004700
(SET X (CDADDR D))	C004800
(LCNELS (LENGTH X))	C004900
(IF (NULL (SET L (CDR X))) (GO F2))	C005000
(SET A (CDR EXP))	C005100
F1 (SET T (IF (EQ (CADAR L) (QUOTE LOC))	C005200
(BLOCK NIL (LCLOC (CAR A) (CAAR L)) (RETURN (QUOTE SYMBOL))))	C005300
(LCEXP (CAR A) (CAAR L))))	C005400
(SET A (CDR A))	C005500
(IF (SET L (CDR L)) (BLOCK NIL (LCPUSH T) (GO F1)))	C005600
F2 (ATTSEQ C)	C005700
(SET T (CAR X))	C005800
(RETURN (IF (NG T (QUOTE NOVALUE))	C005900
T (BLOCK NIL (ATTACH (QUOTE (STZ A.))))	C006000
(RETURN (QUOTE SYMBOL))))))	C006100
(INSTRUCTIONS ((QUOTE . LLISPI) NOVALUE)	C006200
NIL (BLOCK NIL (LCNELS 2))	C006300

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(ATTACH (LIST (QUOTE LCA) (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 OWN))
(NQ (CADDR D) (QUOTE LOC)) (NOT (SET MLOC (NOT MLOC)))) 0008800
(SET A (QUOTE (R L4567.7))) 0008900
(AND (EQ K (QUOTE FUNCTION)) (NOT MLOC)) 0009100
(SET A (QUOTE (2Q1 R L4567.7))) 0009200
(MEMBERN K (QUOTE (OWN FLUID FREE))) 0009300
(SET A (IF MLCC 0 (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)
(IF (NOT (IDP V)) (RETURN NIL))
(BLOCK NIL (SET N (CAR V)) (SET S (LIST (CDR V))))) 0010000
(CO10000
(CO10100
(CO10200
(CO10300
(CO10400
(CO10500
(CO10600
(CO10700
(CO10800
(CO10900
(FUNCTION (LCCCNV SYMBOL) 0011000
((T1 SYMBOL) (T2 SYMBOL)) 0011100
(BLOCK ((X SYMBOL)) 0011200
(IF (EGN T1 T2) (GO R))
(IF (SET X (FINDN T1 (QUOTE ((CCTAL . OCT2SYM)
(INTEGER . INT2SYM)
(REAL . REAL2SYM) (FUNCTIONAL . FORM2SYM))))) 0011300
(ATTCCN (CDR X))) 0011400
(CO11500
(CO11600
(CO11700
(CO11800
(CO11900
(CO12000
(CO12100
(CO12200
(CO12300
(CO12400
(IF (EQ T2 (QUOTE BOOLEAN))
(ATTACH (QUOTE (BUC (ENTRY STBENT) 0 4))) 0012500
(SET X (FINDN T2 (QUOTE ((OCTAL . SYM2OCT)
(INTEGER . SYM2INT)
(REAL . SYM2REAL) (FUNCTIONAL . SYM2FORM))))) 0012600
(ATTCCN (CDR X)) R (RETURN T2)))
(FUNCTION (LCNELS SYMBOL) 0012700
((N INTEGER))
(IF (AND (LISTP EXP) (EQ (LENGTH EXP) N)) TRUE (LCEEXIT)))
(FUNCTION (LCEEXIT SYMBOL) NIL (EXIT NIL)) 0012800

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(FUNCTION (LCPUSH SYMBOL))	0012700
((T SYMBOL))	0012800
(ATTACH (LIST (QUOTE STF))	0012900
(IF (CR (EQ T (QUOTE SYMBOL)) (EQ T (QUOTE FUNCTIONAL)))	0013000
(QUOTE PUSHP.) (QUOTE PUSHA.))))))	0013100
(FUNCTION (ATTCON SYMBOL))	0013200
((V SYMBOL))	0013300
(BLOCK NIL (ATTACH (QUOTE (ARGS))))	0013400
(ATTACH (LIST (QUOTE CALL) (CONS V (QUOTE LISP))))))	0013500
(FUNCTION (ATTSEQ SYMBOL))	0013600
((X SYMBOL)) (BLOCK NIL (FOR X (IN X) (ATTACH X))))	0013700
(FUNCTION (ATTACH SYMBOL))	0013800
((I SYMBOL)) (BLOCK NIL (SET LISTING (CONS I LISTING))))	0013900
(FUNCTION (QUOTER SYMBOL) ((X SYMBOL)) (LIST (QUOTE QUOTE) X)))	0014000
***END OF FILE DETECTED	

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(CCMETA (SECTION (COMETA LISP COMPILE SUPV SYS) SYMBOL) 0000100
(DECLARE (COMLST SYMBOL FLUID) 0000200
((PRNIL . LISP) BCOLEAN FREE FALSE)) 0000300
(FUNCTION (CCMETA SYMBOL) 0000400
(X) 0000500
(BLOCK NIL (IF (PRNIL . LISP) (SPRINT X) (SUPOTY (CADR X))) 0000600
  (RETURN (IF (EQ (CAR X) (QUOTE SECTION)) (SECSET X) (COMP X)))) 0000700
(FUNCTION (SECSET SYMBOL) 0000800
(S) 0000900
(BLOCK NIL (SET (STYPE . COMPIL) (CADDR S)) 0001000
  (IF (ATOM (SET (SLIST . COMPIL) (CADR S))) 0001100
    (SET (SLIST . COMPIL) (LIST (SLIST . COMPIL)))) 0001200
  (IF (NOT (MEMBER (QUOTE LISP) (SLIST . COMPIL))) 0001300
    (SET (SLIST . COMPIL)
      (APPEND (SLIST . COMPIL) (QUOTE (LISP))))) 0001400
    (RETURN (SET (SNAME . COMPIL) (CAR (SLIST . COMPIL))))) 0001500
  (FUNCTION (CCMP SYMBOL) 0001600
(F) 0001700
(BLOCK ((VCLASS . COMPIL) 0001800
  (VADDR . COMPIL) 0001900
  ((LISTING . COMPIL) (LIST (QUOTE FUNCTION))) 0002000
  (REFLIST . COMPIL) (TGO . COMPIL) (FGO . COMPIL)) 0002100
  (MAKEFREE (CADR F) 0002200
    (SNAME . COMPIL)
    (QUOTE FUNCTION) (QUOTE (FUNCTIONAL SYMBOL)) (QUOTE VALUE)) 0002300
  (BLOCK ((N (CONS (CADR F) (SNAME . COMPIL)))) 0002400
    (ATTACH (LIST N (QUOTE SYMBOL))) 0002500
    (ATTACH NIL) 0002600
    (ATTACH (QUOTE (BEGIN))) 0002700
    (COMVAL (CADDR F)) 0002800
    (ATTACH (QUOTE (END))) 0002900
    (ATTACH (QUOTE (RETURN))) 0003000
    (SET (LISTING . COMPIL) (DREVERSE (LISTING . COMPIL))) 0003100
    (IF (PRNLAP . LISP)
      (SPRINT (LIST (QUOTE LAP)
        (LISTING . COMPIL) (REFLIST . COMPIL) (SNAME . COMPIL)))) 0003200
    (IF (BINLAP . LISP)
      (LAP (LISTING . COMPIL) (REFLIST . COMPIL) (SNAME . COMPIL))) 0003300
    (RETURN N))) 0003400
  (FUNCTION (ATTACHG SYMBOL) 0003500
    (L) (ATTACH (LIST (QUOTE BUC) (LABELER L)))) 0003600
  (FUNCTION (LABELER SYMBOL) (L) (LIST (QUOTE LABEL) L)) 0003700
  (FUNCTION ATTACHL (L) 0003800
    (BLOCK NIL LCEP (SCETCH L LISTING)) 0003900
    (IF (NOT (REFLAB L LISTING)) (RETURN LISTING)) 0004000
    (BLOCK ((K LISTING)
      A (IF (ATM (CAR K)) (BLOCK NIL (SET K (CDR K)) (GO A))) 0004100
      (IF (AND (EQ (CAAR K) (QUOTE BUC))
        (NOT (ATM (CADR K)))) (GOHERE L (CADR K))) 0004200
      (BLOCK NIL (SET (CAAR K)
        (CCR (FINDN (CAADR K) (QUOTE ((BOZ . BNZ) (BNZ . BOZ)))))) 0004300
        (SET (CCR K) (CDER K)) (GO LCEP)))) 0004400
      (RETURN (SET LISTING (CONS L LISTING)))))) 0004500
    (FUNCTION (ATTACH SYMBOL) 0004600
      (I) 0004700
      (BLOCK NIL (IF (ATOM I)
        (SCUTCH I (LISTING . COMPIL)) 0004800
        (AND (NOT (ATM (CAR (LISTING . COMPIL)))) 0004900
          (MEMBER (CAAR LISTING) (QUOTE (BUC BSX))) 0005000
          (NOT (MEMBER I (QUOTE ((ARGS) (END) (CALL)))))) 0005100
          (RETURN (LISTING . COMPIL)))) 0005200
        (RETURN (SET (LISTING . COMPIL) (CCNS I (LISTING . COMPIL)))))) 0005300
      (FUNCTION (SCCTCH BCOLEAN) 0005400

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(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 BBOOLEAN)	0008000
(L I)	0008100
(AND (MEMBER (CAR I) (QUOTE (BUG BOZ BNZ))) (EQN L (CADADR I))))	0008200
(FUNCTION (CCMIF NOVALUE)	0008300
NIL (BLOCK ((X (CDR EXP))	0008400
(S (XGO . CCMPIL))	0008500
((XGO . CCMPIL) (IF (XGO . COMPIL) (XGO . COMPIL) (GENIC))))	0008600
(IF (NULL X)	0008700
(GO M) (NLLL (CDR X)) (BLOCK NIL (COMSTAT (CAR X)) (GO M)))	0008800
L (BLOCK ((FG (GENIC)))	0008900
(BLOCK ((F (IF (NULL (CDDR X))	0009000
(XGO . COMPIL) (CDDDR X) FG (BGO (CADDR X) FG)))	0009100
(T (BGO (CADR X) NIL))))	0009200
(BLOCK ((TERGO . COMPIL) ((PCLASS . COMPIL) TRUE))	0009300
(COMBCL (CAR X) T F))	0009400
(IF (NULL T)	0009500
(BLOCK NIL (CCMSTAT (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 (BGC SYMBOL)	0010600
(I L)	0010700
(IF (ATCM I)	0010800
L (EQ (CAR I) (QUOTE GC))	0010900
(CADR I)	0011000
(AND (PCLASS . COMPIL) (RETP I))	0011100
(IF (NULL (CADR I))	0011200
(TGO . COMPIL) (EQ TRUE (CADR I)) (TGO . COMPIL) L L))	0011300
(FUNCTION (CCMER NOVALUE) NIL (CCMLCG FALSE))	0011400
(FUNCTION (CCMAND NOVALUE) NIL (CCMLCG TRUE))	0011500
(FUNCTION (CCMNOT NOVALUE)	0011600
NIL (IF (CR (SCLASS . COMPIL) (NCT (PCLASS . COMPIL)))	0011700
(MAKEPRED)	0011800
(COMBCL (CADR (EXP . CCMPIL)) (FGO . COMPIL) (TGO . COMPIL))))	0011900
(FUNCTION (MAKEPRED NOVALUE)	0012000
NIL (IF SCLASS NIL (BLOCK ((ITER TERGO)	0012100
((TERGO . COMPIL) (IF TERGO TERGO (GENID))))	0012200
(T (GENID)) (F (GENID)) ((PCLASS . COMPIL) TRUE))	0012300
(COMBCL EXP T F)	0012400
(BLOCK ((L (LABELER TERGO)))	0012500
(BLOCK ((T1 (LIST (QUOTE BSX) (QUOTE (ENTRY ONENT)) 4 L)))	0012600

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(F1 (LIST (QUOTE BSX) (QUOTE (ENTRY STZENT)) 4 L)))          C012700
(IF (SCCTCH T LISTING)
  (BLOCK NIL (ATTACHL T) (ATTACH T1) (ATTACHL F) (ATTACH F1))
  (BLOCK NIL (ATTACHL F) (ATTACH F1) (ATTACHL T) (ATTACH T1)))  C012800
  (IF (NOT TER) (ATTACHL TERGC))
  (SET VCLASS (QUOTE ACTIVE)))))))                                C012900
  (FUNCTION (CCMLOG NOVALUE)
    ((B BOOLEAN))
    (IF (NULL (CDR (EXP . CCMPIL)))
      (COMPILE B)
      (OR (SCLASS . CCMPIL) (NOT (PCLASS . CCMPIL)))
      (MAKEPRED)
      (BLOCK (T (L (GENID)))
        (FOR T (ON (CDR (EXP . CCMPIL)))
          (COMBOL (CAR T)
            (IF (NULL (CDR T))
              (TGO . CCMPIL) B NIL (TGO . CCMPIL) (TGO . CCMPIL) L)
            (IF (NULL (CDR T))
              (FGO . CCMPIL)
              (NULL B) NIL (FGO . CCMPIL) (FGO . CCMPIL) L)))
          (ATTACHL L))))
    (FUNCTION (CCMBOL NOVALUE)
      (X (TGO . CCMPIL) (FGO . CCMPIL))
      (BLOCK NIL (BLOCK ((VCLASS . CCMPIL) (VADDR . CCMPIL))
        (COMEXP X)
        (IF (NQ VCLASS (QUOTE PRED))
          (BLOCK NIL (MOVAC)
            (IF TGO (ATTACH (LIST (QUOTE BNZ) (LABELER TGO))))
            (IF FGO (ATTACH (LIST (IF TGC (QUOTE BUC) (QUOTE BOZ))
              (LABELER FGC)))))) (SET VCLASS (QUOTE PRED)))))
    (FUNCTION (MCVAC NOVALUE)
      NIL (IF (NQ (VCLASS . CCMPIL) (QUOTE ACTIVE))
        (BLOCK NIL (ATTACH (CONS (QUOTE LDA) (VADDR . CCMPIL)))
          (SET (VCLASS . CCMPIL) (QUOTE ACTIVE))))))
    (FUNCTION (CCMGO NOVALUE) NIL (ATTACHG (CADR (EXP . CCMPIL)))) C015000
    (FUNCTION (CCMQUE NOVALUE)
      NIL (BLOCK NIL (ATTACH (IF (IDP (CADR (EXP . CCMPIL)))
        (SUBST (CADR EXP) (QUOTE I) (QUOTE (LDA (ID I) (R L4567.7)))))
        (LIST (QUOTE LDA) (EXP . CCMPIL)))) (SET (VCLASS . CCMPIL) (QUOTE ACTIVE)))) C015100
    (FUNCTION (CCMSET NOVALUE)
      NIL (BLOCK NIL (COMEXP (CADR (EXP . CCMPIL)))
        (IF (AND (NULL (CADR (EXP . CCMPIL)))
          (OR (SCLASS . CCMPIL) (PCLASS . CCMPIL)))
        (BLOCK NIL (ATTACH (CONS (QUOTE STZ) (VADDR . CCMPIL)))
          (IF (NOT (SCLASS . CCMPIL))
            (BLOCK NIL (IF (FGO . CCMPIL) (ATTACHG (FGO . CCMPIL)))
              (SET (VCLASS . CCMPIL) (QUOTE PRED)))))))
        (BLOCK ((L (VADDR . CCMPIL)))
          (CCMVAL (CADER (EXP . CCMPIL)))
          (ATTACH (CONS (QUOTE STF) L))
          (SET (VCLASS . CCMPIL) (QUOTE ACTIVE)))))))
    (FUNCTION (CCMRET NOVALUE)
      NIL (IF (PCLASS . CCMPIL)
        (COMBOL (CADR (EXP . CCMPIL)) (TGO . CCMPIL) (FGO . CCMPIL)))
        (BLOCK NIL (COMACT (CADR (EXP . CCMPIL)))
          (ATTACHG (TERGO . CCMPIL))))))
    (FUNCTION (CCMBLK NOVALUE)
      NIL (BLOCK ((XGC . CCMPIL))
        (IF (TERGO . CCMPIL)
          (BLOCK (T) (FCR T (IN (CDDR (EXP . CCMPIL))) (COMSTAT T)))
          (BLOCK (((TERGO . CCMPIL) (GENID)))
            (BLOCK (((TGC . CCMPIL)

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(IF (TGC . COMPILE) (TGO . COMPILE) (TERGO . COMPILE)))	0019000
((FGC . COMPILE)	0019100
(IF (FGC . COMPILE) (FGO . COMPILE) (TERGO . COMPILE)))	0019200
(CCMBLK)	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) (BLCCK ((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) (BLCCK ((SCLASS . COMPILE)) (COMPILE X)))	0021300
(FUNCTION (CCMFILE 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 (BLCCK ((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 (BLCCK ((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 (QLOTE (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

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(MAKEFREE VAR (SNAME . COMPILE)
(IF (NULL X) (QUOTE FLUID) (QUOTE FUNCTION))
(IF (NULL X)
  (QUOTE SYMBOL)
  (CONS (QUOTE FUNCTIONAL) (QUOTE SYMBOL) (MAKSYM (CDR X))))
  (QUOTE VALUE)) (RETURN (FINDEC VAR X)))
(FUNCTION (MAKSYM SYMBOL)
(L) (IF (NULL L) NIL (CONS (QUOTE SYMBOL) (MAKSYM (CDR L)))))
(FUNCTION (SRDEC SYMBOL)
(VAR S)
(BLOCK ((T (GETFREE VAR S)))
(IF (NULL T) (RETURN FALSE))
(BLOCK ((D (FVLIST T)))
(IF (EQ (CAR D) (QUOTE MEANS))
  (RETURN (SRDEC (CADR D) (CADDR D))))
(BLOCK ((N (CCNS VAR S)))
(IF (NOT (FIND N (REFLIST . COMPILE)))
  (SET (REFLIST . COMPILE)
    (CONS (CCNS N D) (REFLIST . COMPILE)))) (RETURN N))))
(SET COMLST (LIST (CCNS (QUOTE CCNS) COMCONS)
  (CONS (QUOTE IF) COMIF)
  (CONS (QUOTE OR) COMOR)
  (CONS (QUOTE AND) COMAND)
  (CONS (QUOTE NOT) COMNOT)
  (CONS (QUOTE NULL) COMNULL)
  (CONS (QUOTE GC) COMGC)
  (CONS (QUOTE QUOTE) COMQUO)
  (CONS (QUOTE SET) COMSET)
  (CONS (QUOTE BLOCK) COMBLK)
  (CONS (QUOTE RETURN) COMRET)
  (CONS (QUOTE CAR) COMCAR)
  (CONS (QUOTE CDR) COMCDR)
  (CONS (QUOTE CADR) COMCADR)
  (CONS (QUOTE CCAR) COMCDAR) (CCNS (QUOTE CADDR) COMCADDR)))
(FUNCTION (COMCAR NOVALUE) NIL (CARCDR (QUOTE (A))))
(FUNCTION (COMCDR NOVALUE) NIL (CARCDR (QUOTE (D))))
(FUNCTION (COMCADR NOVALUE) NIL (CARCDR (QUOTE (A D))))
(FUNCTION (COMCDAR NOVALUE) NIL (CARCDR (QUOTE (D A))))
(FUNCTION (COMCAADDR NOVALUE) NIL (CARCDR (QUOTE (A D D))))
(FUNCTION (CARCDR NOVALUE)
(L) (BLOCK NIL (COMVAL (CADR EXP)) (COMNODE L)))
(FUNCTION (COMNODE NOVALUE)
(L)
(IF (NULL L)
  NIL (BLOCK NIL (COMNODE (CDR L))
    (ATTACH (IF (EQ (CAR L) (QUOTE A))
      (QUOTE (LDA 0 (L7.123 15))) (QUOTE (LDA 0 (L567.7 15)))))))
  (FUNCTION (COMCONS NOVALUE) NIL (COMLNK (QUOTE (CONS2 . SYS))))
  (FUNCTION (COMLNK NOVALUE)
(S)
(COMCALL (BLOCK (((SLIST . COMPILE) (LIST (CDR S)))
  ((SNAME . COMPILE) (CDR S)))) (RETURN (FINDEC (CAR S) EXP))))))

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