

(PRECOMP (SECTION SYS OCTAL)	C000100
(LAP (PATCH (CRG)	C000200
(ENTRY PDOK (LABEL PDOK))	C000300
(ENTRY PCOK1 (LABEL PDCK1))	C000400
GO (BUS (D. 1))	C000500
(BUS (LABEL A))	C000600
RECOV (BUS (D. 1))	C000700
(BUS RECCV I)	C000800
A (LDI 4 (R 7Q6))	C000900
(LDX (INTCNT . SYS) 0 6)	C001000
(LDX (CDSW . IC) 0 8)	C001100
(LDX (INTTY . IO) 0 4)	C001200
(BXH 2 (8 D) 0)	C001300
(LDX BPO 0 8)	C001400
(ARGS)	C001500
(CALL START)	C001600
(BUC (LABEL GO))	C001700
(IQ6)	C001800
(DITTO 4)	C001900
PDOK1 (BXL (LABEL PDGONE) 8)	C002000
PDOK (LDX (Z. 2Q1) 0 4)	C002100
(BXL (LABEL P) 8)	C002200
(XEC (LABEL P))	C002300
(BUC 0 4)	C002400
P (ATX -1 (4 L) 8)	C002500
(LDX -1 (4 L) 4)	C002600
(STX (PDADD . GC) 0 4) PDGONE (LDX PDGONE 0 4) (BUC 3 4) (END))	C002700
((DDSW . IC) OWN INTEGER VALUE)	C002800
((FREEZE . SYS) FLUID BOOLEAN VALUE)	C002900
((INTCNT . SYS) OWN INTEGER VALUE)	C003000
((FMCALL . SYS) OWN (FUNCTIONAL NOVALUE) VALUE)	C003100
((INTERRUPT . SYS) FUNCTION (FUNCTIONAL OCTAL) VALUE)	C003200
((INTTY . IC) FUNCTION (FUNCTIONAL NOVALUE) VALUE)	C003300
(FPG OWN OCTAL VALUE)	C003400
(FPP OWN OCTAL VALUE)	C003500
(CHO OWN OCTAL VALUE)	C003600
(TRO OWN OCTAL VALUE)	C003700
(TRP OWN OCTAL VALUE)	C003800
(BPG OWN OCTAL VALUE)	C003900
(BPP OWN OCTAL VALUE)	C004000
(ARO OWN OCTAL VALUE)	C004100
(ARP OWN OCTAL VALUE)	C004200
(LSP OWN OCTAL VALUE)	C004300
(LSO OWN OCTAL VALUE)	C004400
(TRL OWN OCTAL VALUE)	C004500
(OBLIST OWN (ARRAY SYMBOL) VALUE)	C004600
(OBLISZ OWN INTEGER VALUE)	C004700
(PDOUT OWN SYMBCL VALUE)	C004800
((PDADD . GC) OWN OCTAL VALUE)	C004900
((PDBUF . GC) OWN OCTAL VALUE)	C005000
(START FUNCTION (FUNCTIONAL NOVALUE) VALUE)	C005100
(RECOV FUNCTION (FUNCTIONAL NOVALUE) VALUE)	C005200
(PDGONE FUNCTION (FUNCTIONAL NOVALUE) VALUE)	C005300
(FNTRAP FUNCTION (FUNCTIONAL NOVALUE) VALUE)	C005400
(FMTRAP FUNCTION (FUNCTIONAL NOVALUE) VALUE)) SYS)	C005500
(LAP (PATCH (CRG)	C005600
(ENTRY RETURN (LABEL RETURN))	C005700
(ENTRY ROUT (LABEL ROUT))	C005800
(ENTRY FLBIND (LABEL FLBIND))	C005900
(ENTRY FLREST (LABEL FLREST))	C006000
(ENTRY STZENT (LABEL STZENT))	C006100
(ENTRY ONENT (LABEL ONENT))	C006200
(ENTRY I2OENT (LABEL I2OENT))	C006300

(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 (C. 1) L 4)	0007400
(BPX (C. 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 (C. 1) 3 -1)	0008300
(LDA 0 (4 L7.123 S))	0008400
(ADD (Z. 8))	0008500
(TST 0 4 6Q1)	0008600
(LDA 0 A)	0008700
(ECH 0 (4 I))	0008800
(STF 0 3)	0008900
(TST 0 4 51Q)	0009000
(BAX (LABEL FLB1) 4 1)	0009100
(BUC 1 4)	0009200
FLREST (STP (LABEL FLR2) S567.7)	0009300
(LDX -1 (7 L) 3)	0009400
(ATX (Z. 8) 0 3)	0009500
FLR1 (BAX (C. 1) 3 -1)	0009600
(LDB 0 3)	0009700
(STB 0 (7 I))	0009800
(TST 0 7 51Q)	0009900
(BAX (LABEL FLR1) 7 1)	0010000
FLR2 (BUC)	0010100
STZENT (STZ A.)	0010200
(BUC 0 4)	0010300
CNENT (LDA 1 (L567.7 R))	0010400
(BUC 0 4)	0010500
I2OENT (BNZM 0 4)	0010600
(STZ A.)	0010700
(BUC 0 4)	0010800
STBENT (BOZP 0 4)	0010900
(LDA 1 (L567.7 R)) (BUC 0 4) B48. (1071) (END)) NIL SYS)	0011000
(LAP (PATCH (CRG) (END))	0011100
((CONDERR FUNCTION (FUNCTIONAL NOVALUE) VALUE)	0011200
(EQUAL. FUNCTION (FUNCTIONAL BCCLEAN SYMBOL SYMBOL) VALUE)	0011300
(EQUALN. FUNCTION (FUNCTIONAL BCCLEAN SYMBOL SYMBOL) VALUE)	0011400
(SYMABS 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
(SPPLUS FUNCTION (FUNCTIONAL SYMBOL SYMBOL SYMBOL) VALUE)	0012000
(SPLUR FUNCTION (FUNCTIONAL REAL REAL SYMBOL) VALUE)	0012100
(SPLUI FUNCTION (FUNCTIONAL SYMBOL INTEGER SYMBOL) VALUE)	0012200
(SMINS FUNCTION (FUNCTIONAL SYMBOL SYMBOL SYMBOL) VALUE)	0012300
(SMINI FUNCTION (FUNCTIONAL SYMBOL INTEGER SYMBOL) VALUE)	0012400
(SMINR FUNCTION (FUNCTIONAL REAL REAL SYMBOL) VALUE)	0012500
(MINSYM FUNCTION (FUNCTIONAL SYMBOL SYMBOL) VALUE)) SYS)	0012600

(LAP (PATCH (CRG) (END))	0012700
((INT2OCT ROUTINE (FUNCTIONAL OCTAL INTEGER) VALUE)	0012800
(SYM2OCT FUNCTION (FUNCTIONAL OCTAL SYMBOL) VALUE)	0012900
(SYM2INT FUNCTION (FUNCTIONAL INTEGER SYMBOL) VALUE)	0013000
(SYM2REAL FUNCTION (FUNCTIONAL REAL SYMBOL) VALUE)	0013100
(OCT2SYM FUNCTION (FUNCTIONAL SYMBOL OCTAL) VALUE)	0013200
(REAL2SYM FUNCTION (FUNCTIONAL SYMBOL REAL) VALUE)	0013300
(INT2SYM FUNCTION (FUNCTIONAL SYMBOL INTEGER) VALUE)	0013400
(FORM2SYM FUNCTION (FUNCTIONAL SYMBOL FUNCTIONAL) VALUE)	0013500
(SYM2FORM FUNCTION (FUNCTIONAL FUNCTIONAL SYMBOL) VALUE)	0013600
(OCTROLND ROUTINE (FUNCTIONAL OCTAL REAL) VALUE)	0013700
(ROUND ROUTINE (FUNCTIONAL INTEGER REAL) VALUE)) LISP))	0013800
	0013900

****END OF FILE DETECTED

(APRIL.27.1200 (SECTION SYS OCTAL)	C000100
MACRO1 (((LSHIFT (LAMBDA (L) (CONS (QUOTE SHIFT) (CDR L))))	C000200
(RSHIFT (LAMBDA (L)	C000300
(LIST (QUOTE SHIFT)	C000400
(CADR L) (CCNS (QUOTE MINUS) (CDDR L))))))	C000500
(ROUTINE FXRLB ((X OCTAL)))	C000600
(DECLARE (OBLIST (ARRAY SYMBOL) OWN)	C000700
(CHO OWN)	C000800
(TRO OWN)	C000900
(TRP OWN)	C001000
(TRM OWN)	C001100
(BPO OWN)	C001200
(BPP OWN)	C001300
(ARO OWN)	C001400
(ARP OWN) (LSP OWN) (LSC OWN) (TRL OWN) (PDCUT SYMBOL OWN))	C001500
(SECTION (GC SYS) OCTAL)	C001600
INSTRUCTIONS (((MARKED (LAMBDA NIL (PROG NIL (ATTACH (LIST (QUOTE	C001700
LDS) (CADR EXP) (QUOTE (I 40015Q2))))	C001800
(SETQ VREG (QUOTE AC))	C001900
(SETQ VTYPE (QUOTE BOOLEAN))	C002000
(SETQ VCLASS (QUOTE ACTIVE)) (BLOTCH (QUOTE AC))))	C002100
(UNMARK (LAMBDA NIL (PROG NIL (ATTACH (LIST (QUOTE INS)	C002200
(CADR EXP) (QUOTE (I 44Q5))))))	C002300
MACRO1 (((LEFT (LAMBDA (X) (ITYBIT T 24 18 (CDR X))))	C002400
(RIGHT (LAMBDA (X) (ITYBIT T 0 18 (CDR X))))	C002500
(PREFIX (LAMBDA (X) (ITYBIT T 42 6 (CDR X))))	C002600
(TAG (LAMBDA (X) (ITYBIT T 18 6 (CDR X))))	C002700
(LEFTX (LAMBDA (X) (ITYBIT NIL 24 18 (CDR X))))	C002800
(RIGHTX (LAMBDA (X) (ITYBIT NIL 0 18 (CDR X))))	C002900
(ONEMOR (LAMBDA (X)	C003000
(LIST (QUOTE I20.) (LIST (QUOTE PLUS) (CADR X) 1))))	C003100
(ONELSS (LAMBDA (X)	C003200
(LIST (QUOTE I20.) (LIST (QUOTE PLUS) (CADR X) -1))))	C003300
(PLUS (LAMBDA (X)	C003400
(LIST (QUOTE I20.)	C003500
(CONS (QUOTE (PLUS . LISP)) (CDR X))))))	C003600
DEFINE (((ITYBIT (LAMBDA (W X Y Z)	C003700
(CONS (QUOTE BIT)	C003800
(CONS X (CONS Y (COND (W (CONS (CONS (QUOTE CORE) Z) NIL))	C003900
(T Z))))))	C004000
(DECLARE (GCC OWN)	C004100
(A OWN)	C004200
(B OWN)	C004300
(C OWN)	C004400
(L OWN)	C004500
(X OWN)	C004600
(Y OWN)	C004700
(Z OWN)	C004800
(PCOL BCOLEAN OWN)	C004900
(XPDP OWN)	C005000
(TEMP1 OWN)	C005100
(TEMP2 OWN)	C005200
(TEMP3 OWN)	C005300
(TEMP4 OWN)	C005400
(ARYORG OWN)	C005500
(ARYCNT OWN)	C005600
(BPSORG OWN)	C005700
(FREREL OWN)	C005800
(PDLREL OWN)	C005900
(TRPCNT OWN)	C006000
(BPMIN OWN)	C006100
(PDADD OWN)	C006200
(PDBUF OWN)	C006300

(GCERR BOCLEAN CWN)	C006400
(GC1 INTEGER CWN 200)	C006500
(GC2 INTEGER CWN 200)	C006600
(GC3 INTEGER CWN 2000)	C006700
(GC4 REAL CWN 0.1999999999)	C006800
(GC5 INTEGER CWN 500)	C006900
(GC6 REAL CWN 0.5)	C007000
(GC7 INTEGER CWN 20000) (GC8 INTEGER CWN 50000)	C007100
(RCUTINE ((ACPCOK . SYS) NOVALUE) ((X INTEGER)))	C007200
(RCUTINE ((MINR . LISP) REAL) ((A REAL) (B REAL)))	C007300
(RCUTINE ((MAXR . LISP) REAL) ((A REAL) (B REAL)))	C007400
(RCUTINE ((ENTIER . LISP) INTEGER) ((A REAL)))	C007500
(FUNCTION ((ERROR . LISP) SYMBOL) ((A SYMBOL)))	C007600
(FUNCTION ((RECLAIM . SYS) INTEGER) ((X INTEGER)))	C007700
(BLOCK ((S SYMBCL) (J INTEGER)))	C007800
(CODE (LDA (LABEL OFF)) (STF (ENTRY INTER)))	C007900
(TRY S L (SET J (BLOCK NIL (IF (NULL PCOUT) (SET PCOUT (QUOTE G))) (SET GCC (PLUS 1 GCC)) (SET (CORE (S20. OBLIST)) (WORDCR (CORE (S20. OBLIST)) 4Q7)) (RETURN (DRIVER X))))))	C008000
(CODE (LDA (LABEL ON)) (STF (ENTRY INTER)))	C008100
(RETURN J)	C008200
L (CODE (LDA (LABEL ON)) (STF (ENTRY INTER)))	C008300
(EXIT S) OFF (CODE (BUC 1 4)) CN (CODE (BPX 1 (6 D) 1)))	C008400
(FUNCTION (DRIVER INTEGER) (AA))	C008500
(CRG NIL (BLOCK (ZZ) (CODE (STX XPDP 8)) (SET BOCL FALSE) (SET ARYCNT 0) (SCNPDL MRKPD L) (MRKCHR) (MRKTSP) (PRUNVF) (PRUNCB) (PKTSP) (PKFREE) (SET ZZ (GPCALC AA)) (RELARY) (FXTSP) (FXARY) (FXFREE) (RELBPS) (SET BOCL TRUE) (SCNPDL FIXIT1) (FXBPS) (SET TEMP1 BPC) (SET XPDP (PLUS XPDP -10)) (IF (LS PDLREL 0) (BLOCK NIL (SET TEMP1 (PLUS TEMP1 PDLREL)) (SET Z (PLUS (SET X XPDP) PDLREL)) MO (SET (CORE Z) (CORE X)) (SET Z (CNEMOR Z)) (IF (NQ (SET X (CNEMOR X)) BPC) (GO MO)) (CODE (ATX PDLREL 8))))))	C008600
(SET BPP (PACKIT 4Q15 BPO BPP TEMP1))	C008700
(SET BPC TEMP1)	C008800
A (SET TEMP1 (IF (LS ARYORG ARC) ARYORG ARO))	C008900
(SET ARP (PACKIT 4Q7 ARO ARP TEMP1))	C009000
(SET ARC TEMP1)	C009000
(IF (GR ARYCRG ARO))	C009100
	C009200
	C009300
	C009400
	C009500
	C009600
	C009700
	C009800
	C009900
	C010000
	C010100
	C010200
	C010300
	C010400
	C010500
	C010600
	C010700
	C010800
	C010900
	C011000
	C011100
	C011200
	C011300
	C011400
	C011500
	C011600
	C011700
	C011800
	C011900
	C012000
	C012100
	C012200
	C012300
	C012400
	C012500
	C012600

(BLOCK NIL (SET ARP (SET Z (PLUS (SET X ARP)	0012700
(MINUS ARO) ARYORG)))	0012800
(GO L)	0012900
M (SET (CORE Z) (CORE X))	0013000
L (SET Z (ONELESS Z))	0013100
(IF (GQ (SET X (ONELESS X)) ARO) (GO M)) (SET ARO ARYORG)))	0013200
(IF (GR PDLREL 0)	0013300
(BLOCK NIL (SET BPP (SET Z (PLUS (SET X BPP) PDLREL)))	0013400
(GO L1)	0013500
M1 (SET (CORE Z) (CORE X))	0013600
L1 (SET Z (ONELESS Z))	0013700
(IF (GQ (SET X (ONELESS X)) XPDP) (GO M1))	0013800
(SET BPC (PLUS BPC PDLREL)) (CODE (ATX PDLREL 0 8)))	0013900
(IF (EQ PDCUT (QUOTE B)) (ADPDCCK PDBUF))	0014000
(SET PDCUT NIL)	0014100
(IF GCERR (ERROR (QUOTE (CUT OF STORAGE)))	0014200
(RETURN ZZ))))))	0014300
MACRO1 ((PLUS (LAMBDA (X)	0014400
(CONS (QUOTE (PLUS . LISP)) (CDR X))))))	0014500
(FUNCTION (GPCALC INTEGER)	0014600
((AA OCTAL))	0014700
(BLOCK ((A1IU INTEGER (PLUS BPO PDCAD TRP (MINUS TRC)	0014800
(MINUS XPDP)))	0014900
(A2IU INTEGER (PLUS BPP BPMIN (MINUS BPO)))	0015000
(A3IU INTEGER (PLUS LSO (BLOCK ((I INTEGER ARO)	0015100
(ARYCNT INTEGER 0))	0015200
(FCR I (RESET I (PLUS I (BIT 24 18 (CORE I))))	0015300
(WHILE (NG I ARP)	0015400
(UNLESS (EQ (WORDAND (CORE I) 4Q7) 0))	0015500
(SET ARYCNT (PLUS ARYCNT (BIT 24 18 (CORE I))))	0015600
(RETURN ARYCNT)) AA (MINUS LSP))) (ZZ INTEGER))	0015700
(SET GCERR FALSE)	0015800
BACK (BLOCK ((N INTEGER (DIFFERENCE PDBUF (SET ZZ (PLUS LSC	0015900
(MINUS TRC) (MINUS A1IU) (MINUS A2IU) (MINUS A3IU))))))	0016000
(IF (AND GCERR (GR N 0))	0016100
(GO PP)	0016200
(AND (NOT GCERR) (LS (MINUS N) GC8))	0016300
(BLOCK ((BPKEEP INTEGER BPMIN)	0016400
(CK BOCLEAN (UNLBPS (PLUS N GC8 ARO (MINUS BPP)	0016500
(MINUS BPMIN))))	0016600
(SET A2IU (PLUS A2IU BPMIN (MINUS BPKEEP)))	0016700
(IF (NOT CK) (SET GCERR TRUE) (SET GCERR FALSE)) (GO BACK))	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))	0017400
(SET ST (MIN (TIMES GC4 ZE) GC5))	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 ARYORG ARO)	0018100
P (SET BPMIN 0)	0018200
(SET GC7 A2IU)	0018300
(SET BPSORG (PLUS BPC PDLREL 1)) (RETURN ZZ)))	0018400
MACRO1 ((PLUS (LAMBDA (X)	0018500
(LIST (QUOTE I2C.) (CONS (QUOTE (PLUS . LISP)) (CDR X))))))	0018600
(FUNCTION (FIXIT1 NOVALUE) ((J OCTAL)) (ORG NIL (FIXIT J)))	0018700
(FUNCTION (SCNPDL NOVALUE)	0018800
((FN (FUNCTIONAL NOVALUE OCTAL)))	0018900

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(CRG NIL (BLOCK (CURCNE CURLNK (CURPNT XDP) NXTONE 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 (ONELSS 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 (NQ (SET COUNT (ONELSS COUNT)) 0) (GO XTO)) 0020100
(IF (EQ (TAG (SET CURLNK (RIGHT CURLNK))) 0) (GO TO)) 0020200
T1 (SET CURPNT NXTONE) 0020300
XT1 (IF (AND BOOL (NQ (SET TEMP1 (RIGHT CURLNK)) 0)) 0020400
(SET (CORE CURONE) 0020500
(PLUS (CORE CURONE) 0020600
(IF (EQUAL (WORDAND 1Q15 (SET TEMP1 (CORE TEMP1))) 0) 0020700
(RIGHTX TEMP1) (LEFTX TEMP1)) (MINUS CURLNK) -1))) 0020800
(IF (LS CURPNT BPC) (GO MORE)))) 0020900
(FUNCTION (MRKPD L NOVALUE) 0021000
(X) 0021100
(BLOCK NIL (IF (GQ (SET X (CORE X)) 1Q6) 0021200
(BLOCK NIL (MARKIT (LEFTX X)) 0021300
(IF (NQ (BIT 18 6 X) 0) (MARKIT (ONEMOR (RIGHTX X)))) 0021400
(BLOCK NIL (IF (GQ X ARO) 0021500
(GO FIX) 0021600
(LS X TRC) 0021700
(GO OUT) 0021800
(LS X TRP) 0021900
(IF (EQUAL (PREFIX (ONEMOR X)) 12Q) (SET X (ONEMOR 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 (LQ TRC X) (LS X TRP) (MARKEM X)) 0022500
(BLOCK NIL (SET X (MRKTRP X)) (GO 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 (ONELSS X))) 0023300
(CASE (PLUS (PREFIX X) -6) 0023400
(GO T7) (GO T10) (GO T11) (GO T12) (GO T13)) 0023500
T7 (IF (NQ (WORDAND (CORE X) 4Q6) 0) 0023600
(SET (CORE TEMP1) (WORDOR (CORE TEMP1) 4Q7))) 0023700
(RETURN (RIGHT X)) 0023800
T10 (RETURN (RIGHTX TEMP1)) 0023900
T12 (CASE (ONEMOR (RSHIFT (SET TEMP2 (CHEKUP (CORE (ONEMOR X)))) 0024000
3)) (GO X0) (GO X11) (GO XX) (GO X11) (GO X4) (GO X11)) 0024100
X0 (IF (EQUAL TEMP2 0) (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 (ONEMOR (RIGHT (ONELSS X)))) 0024800
(MARKIT (MRKTRP TEMP1))) 0024900
(GO T13) 0025000
T11 (IF (EQUAL (BIT 42 6 (SET TEMP2 (CORE (ONEMOR X)))) 1) 0025100
(MARKEM (LEFTX TEMP2)) 0025200

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(EQ (BIT 42 6 TEMP2) 2) (MARKIT (LEFTX TEMP2)))	0025300
X11 (IF (NQ (SET TEMP2 (LEFTX TEMP1)) 0)	0025400
(IF (MARKEM TEMP2) (MRKARY TEMP2))	0025500
(LS TEMP1 TRP)	0025600
(IF (MARKEM (SET TEMP1 (ONEMOR TEMP1)))	0025700
(MARKIT (MRKTRP TEMP1)))) T13 (RETURN (LEFT X))))	0025800
(FUNCTION CHEKUP (X)	0025900
(BLOCK NIL (IF (GR (SET TEMP2 (BIT 42 6 X)) 2) (RETURN TEMP2))	0026000
(CASE (ONEMOR TEMP2) (GO T0) (GO T1) (GO T2))	0026100
T0 (RETURN (BIT 18 6 X))	0026200
T1 (SET (CCRE TEMP2) (WORDOR (CCRE (SET TEMP2 (LEFTX X))) 4Q7))	0026300
(RETURN (PREFIX (ONEMOR TEMP2)))	0026400
T2 (BLOCK ((Y TEMP1))	0026500
(MARKIT (MRKTRP (LEFTX X)))	0026600
(SET TEMP1 Y) (RETURN (CHEKUP (CORE (ONEMOR (LEFTX X))))))	0026700
(FUNCTION (MRKARY NOVALUE)	0026800
(X)	0026900
(BLOCK (Y Z)	0027000
(SET ARYCNT (PLUS ARYCNT (LEFT X)))	0027100
(SET Y (ONEMOR X))	0027200
(SET Z (PLUS X (LEFT X)))	0027300
(CASE (ONEMOR (WORDAND (PREFIX X) 7Q))	0027400
(GO T0) (GO TX) (GO TX) (GO TX) (GO TX) (GO T5) (GO TX))	0027500
T0 (FOR Y (RESET Y (PLUS Y 1))	0027600
(WHILE (NQ Y Z)) (MARKIT (RIGHT Y)))	0027700
(GO TX)	0027800
T5 (FOR Y (RESET Y (PLUS Y 1))	0027900
(WHILE (NQ Y Z))	0028000
(BLOCK NIL (MARKIT (LEFT Y)) (MARKIT (ONEMOR (RIGHT Y)))) TX))	0028100
(ROUTINE (MARKEM BOOLEAN)	0028200
((X OCTAL))	0028300
(IF (NOT (MARKED X))	0028400
(O2B. (SET (CORE X) (WORDOR (CCRE X) 4Q7))) FALSE))	0028500
(FUNCTION (MRKCHR NOVALUE)	0028600
NIL (BLOCK ((X CHC))	0028700
(FOR X (RESET X (PLUS X 1))	0028800
(WHILE (NQ X TRC)) (MARKIT (RIGHT X))))	0028900
(FUNCTION (MRKTSP NOVALUE)	0029000
NIL (BLOCK ((X (ONEMOR TRC)))	0029100
(FOR X (RESET X (PLUS X 3))	0029200
(WHILE (LS X TRP))	0029300
(IF (NOT (MARKED X))	0029400
(IF (NQ (RIGHT X) 0)	0029500
(LABEL GETUM (BLOCK NIL (SET (CORE X) (WORDOR (CORE X) 4Q7))	0029600
(MARKIT (MRKTRP X))))	0029700
(BLOCK NIL (CASE (PLUS (PREFIX X) -6)	0029800
(GO T7) (GO TS) (GO TX) (GO TX) (GO TS))	0029900
T7 (IF (NQ (LEFT (ONEMOR X)) 0) (GO GETUM))	0030000
(GO TS)	0030100
TX (IF (NQ (WORDAND (CORE X) 1Q7) 0) (GO GETUM)) TS))))))	0030200
(FUNCTION (PRUNVF NOVALUE)	0030300
NIL (BLOCK NIL (FOR A (RESET CHC (PLUS A 1))	0030400
(WHILE (NQ A TRC)) (IF (NQ A (LEFT A)) (PRUNIT A)))	0030500
(FOR A (RESET (PLUS TRC 1) (PLUS A 3))	0030600
(WHILE (LS A TRP))	0030700
(IF (EQUAL (PREFIX A) 7Q)	0030800
(IF (MARKED A)	0030900
(IF (NQ A (LEFT A)) (PRUNIT A))	0031000
(IF (NOT (OR (EQUAL A (LEFT A)) (EQUAL A (PRUNIT A))))	0031100
(MARKIT A))))))	0031200
(ROUTINE PRUNIT (X)	0031300
(BLOCK NIL (SET TEMP1 (LEFT X))	0031400
(SET TEMP2 (CODE (LDA TEMP1 (R L567.7))))	0031500

(SET TEMP3 TEMP1)	0031600
AGAIN (SET TEMP4 (CNEMOR 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 (BLOCK 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
(BLOCK NIL (SET Z (RIGHT (SET Y (ONEMOR X))))	0032900
(IF (MARKED X) (SET C Y) (SET (RIGHT C) Z)) (GO MORE))))))	0033000
(RCUTINE (PKTSP NOVALUE)	0033100
NIL (BLOCK ((X C2TAL (PLUS TRP -2)))	0033200
(FOR X (STEP X -3)	0033300
(WHILE (NCT (MARKED X)))	0033400
(BLOCK NIL (SET TRP (PLUS TRP -3)) (ADPDOK -3))	0033500
(SET TRPCNT 0)	0033600
(SET TRL 0)	0033700
(FOR X (STEP X -3 LS TRO)	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 (BLOCK NIL (FOR X (RESET (ONELSS LSO) (PLUS X -1))	0034600
(WHILE (GC X LSP))	0034700
(BLOCK NIL (IF (NCT (MARKED X))	0034800
(BLOCK NIL (FOR LSP (RESET LSP (PLUS LSP 1))	0034900
(WHILE (GC 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 MORE))))	0036300
(RCUTINE (RELARY NOVALUE)	0036400
NIL (BLOCK 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) (GO MORE)))	0036900
(RCUTINE (FIXIT NOVALUE)	0037000
(X)	0037100
(CRG NIL (IF (LS (SET TEMP1 (CORE X)) 1Q6)	0037200
(SET (CORE X) (RELOC TEMP1))	0037300
(NQ (BIT 18 6 TEMP1) 0)	0037400
(SET (LEFT X) (RELOC (LEFTX TEMP1)))	0037500
(BLOCK NIL (SET TEMP1 (PLUS (RIGHTX TEMP1)	0037600
(MINUS (SET TEMP2 (LEFTX TEMP1))))	0037700
(SET (LEFTX TEMP2) (SET TEMP2 (RELOC TEMP2)))	0037800

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

(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 (NCT 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 (NCT 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 (BLOCK NIL (SET BOOL (NQ X Z))	0045500
AGAIN (SET A (PLUS X (LEFT X)))	0045600
(IF (NQ (WORDAND (CORE X) W) 0)	0045700
(IF BOOL (BLOCK NIL (UNMARK X)	0045800
MORE (SET (CORE Z) (CORE X))	0045900
(SET Z (CNEMOR Z)) (IF (NQ (SET X (ONEMOR X)) A) (GO MORE)))	0046000
(BLOCK NIL (UNMARK X) (SET X (SET Z A)))	0046100
(SET BOOL (O2B. (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 OWN)	C000700
(WEOT. INTEGER OWN)	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 (SHUT SYMBOL) ((FN SYMBOL) (DL SYMBOL)))	C001300
(FUNCTION (POSITION 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 (PRINTOKEN SYMBOL) ((X SYMBOL) (PRINATOM X))	C002200
(FUNCTION (PRINSTRING SYMBOL) ((X SYMBOL)))	C002300
(FUNCTION (SYMPRINT SYMBOL) ((X SYMBOL)))	C002400
(FUNCTION (SYMPRIN SYMBOL) ((X SYMBOL)))	C002500
(FUNCTION (PRINCF SYMBOL) ((X SYMBOL)))	C002600
(FUNCTION (READCF SYMBOL) NIL)	C002700
(FUNCTION (PRINWORD OCTAL) ((X OCTAL)))	C002800
(FUNCTION (READWORD OCTAL) NIL)	C002900
(FUNCTION (ENDIN NOVALUE) NIL)	C003000
(FUNCTION (ENDINR NOVALUE) NIL)	C003100
(FUNCTION (ENDOUT NOVALUE) NIL)	C003200
(FUNCTION (ENDOUTR NOVALUE) NIL)	C003300
(FUNCTION (ENDINF NOVALUE) NIL)	C003400
(FUNCTION (ENDOUTP NOVALUE) NIL)	C003500
(FUNCTION (NCP NOVALUE) NIL)	C003600
(FUNCTION (NILF SYMBOL) NIL)	C003700
(ROUTINE (CLEAR NOVALUE) ((FN SYMBOL)))	C003800
(FUNCTION (ARREAD SYMBOL) NIL)	C003900
(ROUTINE 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
(MACROL (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
MACROL (((ARSIZE (LAMBDA (S) (CONS (QUOTE LEFTAD) (CDR 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 RIGHTIM) (CONS (QUOTE WORD3) (CDR S))))	0007200
(PNAME (LAMBDA (S)	0007300
(LIST (QUOTE RIGHTIM) (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
(VCCOUNT (LAMBDA (S) (WDPART 0 18 S NIL)))	0008100
(TCODE (LAMBDA (S)	0008200
(WDPART 18 30 (LIST (CAR S) (CONS (QUOTE WORD3) (CDR S)) T)))	0008300
(TCODES (LAMBDA (S)	0008400
(LIST (QUOTE TCODE) (CONS (QUOTE S20.) (CDR S))))	0008500
(XMFLAG (LAMBDA (S) (WDPART 22 1 S NIL))))	0008600
(BCUNDS (SECTION SYS OCTAL)	0008700
(DECLARE (TRL OCTAL OWN)	0008800
(FPD OCTAL OWN)	0008900
(FPP OCTAL OWN)	0009000
(CHO OCTAL OWN)	0009100
(TRD OCTAL OWN)	0009200
(TRP OCTAL OWN)	0009300
(TRM OCTAL OWN)	0009400
(BPO OCTAL OWN)	0009500
(BPP OCTAL OWN)	0009600
(ARO OCTAL OWN)	0009700
(ARP OCTAL OWN)	0009800
(LSP OCTAL OWN) (LSC OCTAL OWN) (DELTRM OCTAL OWN)))	0009900
(PREDS (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 (OWNP BOOLEAN)	0012300
((S SYMBOL)) (AND ((TRSPAC . SYS) S) (EQ (PREFIX (S20. S)) 12Q)))	0012400
(RCUTINE (FLLIDP 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 (S2O. S)) 2) (EQ (PREFIX (S2O. S)) 3))))	0013100
(RCUTINE (IDP BCCLEAN)	0013200
((S SYMBOL))	0013300
(CR (AND ((TRSPAC . SYS) S) (EQ (PREFIX (S2C. S)) 7)) (CHARP S)))	0013400
(RCUTINE (STRINGP BCCLEAN)	0013500
((S SYMBOL)) (AND ((ARSPAC . SYS) S) (EQ (PREFIX (S2O. S)) 6)))	0013600
(RCUTINE (LISTP BCCLEAN)	0013700
((X SYMBOL))	0013800
(BLOCK NIL LOOP (IF (ATCM X) (RETURN (NULL X)))	0013900
(SET X (CDR X)) (GO LOOP)))	0014000
(RCUTINE (ATCM BCCLEAN)	0014100
((S SYMBOL)) (OR (LS (S2O. S) LSP) (GQ (S2O. S) LSO)))	0014200
(RCUTINE (GENICP BCCLEAN)	0014300
((S SYMBOL)) (AND (ICP S) (EQ (BIT 18 1 (WORD2 (S2O. S))) 1)))	0014400
(RCUTINE (CHARP BCCLEAN)	0014500
((S SYMBOL)) (AND (LS (S2O. S) TRC) (GQ (S2C. S) CHC)))	0014600
(RCUTINE (BCCLP BCCLEAN) ((S SYMBOL)) (LS (S2O. S) 2)))	0014700
(EQUALS (SECTION SYS SYMBOL)	0014800
(FUNCTION (EQUAL. BCCLEAN)	0014900
((A SYMBOL) (B SYMBOL)) (EQL. A B TRUE))	0015000
(FUNCTION (EQUALN. BCCLEAN)	0015100
((A SYMBOL) (B SYMBOL)) (EQL. A B NIL))	0015200
(FUNCTION (EQL. BCCLEAN)	0015300
((A (ARRAY OCTAL)) (B (ARRAY OCTAL)) (FN BCCLEAN))	0015400
(BLOCK NIL (IF (EQN A B) (LABEL LIVE (RETURN TRUE))))	0015500
(BLOCK ((BA BCCLEAN (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 (S2O. A) TRP) (LS (S2O. 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 BCCLEAN (SPACEP. B)))	0016600
(IF (SPACEP. A) (IF BS (GO AR) (GO DIE)) BS (GO DIE))	0016700
(RETURN (EQ (WORDXCR (S2O. A) (S2O. B)) 4Q5)))) (GO AR)))	0016800
(IF (NOT (AND (SPACEP. A) (SPACEP. B)))	0016900
(LABEL DIE (RETURN FALSE)))	0017000
AR (BLOCK ((C OCTAL (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 OCTAL (BIT 18 3 C))	0017500
(V OCTAL (BIT 18 3 D)) (FLAG BCCLEAN NIL))	0017600
(SET C (PLUS (BIT 0 18 C) -1))	0017700
TNQ (CASE (PLUS U 1)	0017800
(CASE (PLUS V 1)	0017900
(GO SS) (GO CA) (GO SI) (GO SI) (GO SR) (GO DIE))	0018000
(IF (EQ V 1) (GO CA) (GO XCH))	0018100
(CASE (PLUS V -1) (GO CA) (GO DI) (GO DR) (GO XCH))	0018200
(CASE (PLUS V -2) (GO II) (GO OR) (GO XCH))	0018300
(IF (EQ V 4C) (GO II) (GO XCH))	0018400
(IF (EQ V 5C) (GO FF) (GO XCH))	0018500
(IF (EQ V 6C) (GO CA) (GO DIE)))	0018600
XCH (IF (NOT (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)	0019200
(IF (NOT (EQL. (O2S. (A C)) (O2S. (B C)) FN)) (GO DIE)))	0019300
(GO LIVE)	0019400
OI (IF (LS C 1) (GO LIVE))	0019500
II (FCR C (STEP C -1 EQ 0)	0019600
(IF (NOT (EQ (O2I. (A C)) (O2I. (B C)))) (GO DIE)))	0019700
(GO LIVE)	0019800
FF (FCR C (STEP C -1 EQ 0)	0019900
(IF (NOT (EQ (BIT 0 24 (A C)) (BIT 0 24 (B C)))) (GO DIE)))	0020000
(GO LIVE)	0020100
SI (FCR C (STEP C -1 EQ 0)	0020200
(IF (NOT (CR (AND (FIXP (O2S. (A C)))	0020300
(EQ (SYM2INT (O2S. (A C))) (B C)))	0020400
(AND (REALP (O2S. (A C)))	0020500
(EQ (CORE (PLUS (A C) 1)) (FLOAT (B C)))) (GO DIE)))	0020600
(GO LIVE)	0020700
SR (FCR C (STEP C -1 EQ 0)	0020800
(IF (NOT (CR (AND (REALP (O2S. (A C)))	0020900
(EQ (O2R. (CORE (PLUS (A C) 1))) (O2R. (B C)))	0021000
(AND (FIXP (O2S. (A C))) (EQ (O2S. (A C)) (O2R. (B C)))) (GO DIE)))	0021100
(GO LIVE)	0021200
OR (FCR C (STEP C -1 EQ 0)	0021300
(IF (NOT (EQ (FLCAT (A C)) (O2R. (B C)))) (GO DIE)))	0021400
(GO LIVE))))))	0021500
(ARRAYS (SECTION SYS SYMBOL)	0021600
(FUNCTION ((COPYARRAY . LISP) SYMBOL)	0021700
((A (ARRAY CCTL)))	0021800
(BLOCK NIL (IF (CR (LS (S20. A) ARG) (GQ (S20. A) ARP))	0021900
(RETURN NIL))	0022000
(BLOCK ((I INTEGER (ARSIZE (S20. A))))	0022100
(BLOCK ((B (ARRAY CCTL) (GETARRAY I)))	0022200
(FOR I (STEP (PLUS I -1) -1 LS 0) (SET (B I) (A I)))	0022300
(SET (RGHTAD (S20. B)) (S20. B)) (RETURN B))))	0022400
(FUNCTION ((CREATE . LISP) SYMBOL)	0022500
((N INTEGER) (TYPE SYMBOL) (VALUE SYMBOL))	0022600
(BLOCK ((S (ARRAY CCTL) (GETARRAY (PLUS N 1)))	0022700
(P CCTL 0)	0022800
(V CCTL (IF VALUE (CONVRT TYPE VALUE) (DFINIT TYPE)))	0022900
(X SYMBOL (FINDN TYPE (QUOTE ((SYMBOL . 20Q)	0023000
(CCTL . 22Q)	0023100
(INTEGER . 23Q)	0023200
(REAL . 24Q) (FUNCTIONAL . 25Q) (BOOLEAN . 21Q))))))	0023300
(IF X (SET P (CDR X)) (ERRMSG TYPE TYPMSG))	0023400
(SET (PREFIX (S20. S)) P)	0023500
(IF (LS N 1) (GO R))	0023600
(FOR N (STEP N -1 LS 1) (SET (S N) V)) R (RETURN S)))	0023700
(ROUTINE (ARSPAC BOOLEAN)	0023800
((S SYMBOL)) (AND (GQ (S20. S) ARG) (LS (S20. S) ARP)))	0023900
(FUNCTION (GETARRAY SYMBOL)	0024000
((SIZE INTEGER))	0024100
(BLOCK ((X CCTL ARP))	0024200
(IF (LS SIZE 1)	0024300
(RETURN NIL) (LS (SET ARP (I2C. (PLUS ARP SIZE))) LSP) (GO A))	0024400
(SET ARP X)	0024500
(RECLAIM SIZE)	0024600
(SET X ARP)	0024700
(SET ARP (I2C. (PLUS ARP SIZE)))	0024800
A (SET (CORE X) (WORDOR X (SHIFT SIZE 24) 22Q14))	0024900
(RETURN (O2S. x)))	0025000
(ROUTINE ((TRUNC. . LISP) SYMBOL)	0025100
	0025200

((S SYMBOL) (N INTEGER))	0025300
(IF (ARRAYP S))	0025400
(BLOCK ((Z INTEGER (ARSIZE (S2C. S)))	0025500
(W OCTAL (I2C. (PLUS (S2C. 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 (S2C. S)) ARP)) (GO B))	0025900
(SET (CORE W) (WORDOR W (SHIFT (I2C. I) 24) 22Q14))	0026000
A (SET (ARSIZE (S2C. S)) N)	0026100
R (RETURN S) B (SET ARP (PLUS ARP (MINUS I))) (GO A))) NIL))	0026200
(FUNCTION ((SCONCS . LISP) SYMBOL)	0026300
((A SYMBOL) (B SYMBOL)) (FCONC. A B NIL))	0026400
(FUNCTION ((NCONCS . 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 (COPYARRAY S))	0027300
R (RETURN S)	0027400
TEST (IF (NQ SA SB)	0027500
(ERRMSG (CONS SA SB)	0027600
(QUOTE (DIFFERENT STRUCTURES. SCONCS OR NCONCS))))	0027700
(BLOCK ((C INTEGER (ARSIZE (S2C. A)))	0027800
(D INTEGER (ARSIZE (S2C. 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) (NQ 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 (S2C. A)) 3))	0028700
(H INTEGER (SHIFT (TAG (S2C. B)) 3))	0028800
(J OCTAL (I2C. (PLUS (TAG (S2C. A)) (TAG (S2C. B))))))	0028900
(IF (EQ G 0) (GO Z0) (NOT (GR (PLUS G H) WDSIZE)) (GO Z1))	0029000
(SET J (I2C. (PLUS J (MINUS (SHIFT WDSIZE -3)))))	0029100
(GO Z0)	0029200
Z1 (SET Z (PLUS Z -1))	0029300
Z0 (IF (AND FLAG (EQ ARP (PLUS (S2C. A) C))) (GO ES))	0029400
(SET FLAG NIL)	0029500
(SET S (GETARRAY Z))	0029600
(GO PR)	0029700
ES (IF (NOT (LS (SET E (PLUS (S2C. 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 (S2C. A) Z))	0030300
(GO SE)	0030400
PR (SET (CORES S) (WORDOR (SHIFT (I2C. Z) 24) (S2C. S)))	0030500
(SET (PREFIX (S2C. S)) (PREFIX (S2C. B)))	0030600
(SET (TAG (S2C. S)) J)	0030700
(IF (NOT FLAG)	0030800
(FOR 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

(FOR I (STEP (PLUS D -1) -1 LS 1)	0031600
(BLOCK NIL (SET (S E) (WORDCR (S E) (SHIFT (B I) H)))	0031700
(SET E (PLUS E -1))))	0031800
(GO R)	0031900
FILL (SET E Z)	0032000
(FOR I (STEP I -1 LS 1) (SET (S (SET E (PLUS E -1))) (B I)))	0032100
(GO R))))))	0032200
(LISTS (SECTION SYS SYMBOL)	0032300
(FUNCTION CONS2 (A B)	0032400
(BLOCK ((S SYMBOL (C2S. (SET LSP (I20. (PLUS LSP -1))))))	0032500
(SET (CORE (S2C. S)) (S20. B))	0032600
(SET (CAR S) A) (IF (NOT (LS ARP LSP)) (RECLAIM 1)) (RETURN S)))	0032700
(FUNCTION CONS3 (A B C) (CONS A (CONS B C)))	0032800
(FUNCTION CONS4 (A B C D) (CONS A (CONS B (CONS C D))))	0032900
(FUNCTION (LIST1 SYMBOL) ((X SYMBOL)) (CONS X NIL))	0033000
(FUNCTION (LIST2 SYMBOL) ((X SYMBOL) (Y SYMBOL)) (CONS X Y NIL))	0033100
(FUNCTION (LIST3 SYMBOL)	0033200
((X SYMBOL) (Y SYMBOL) (Z SYMBOL)) (CONS X Y Z NIL))	0033300
(FUNCTION (LIST4 SYMBOL)	0033400
((X SYMBOL) (Y SYMBOL) (Z SYMBOL) (W SYMBOL)) (CONS X Y Z W NIL))	0033500
(SECTION (LISP SYS FSM) SYMBOL)	0033600
(FUNCTION LASTN ((I INTEGER) X)	0033700
(BLOCK ((Y (FIRSTN I (SET X (DREVERSE X))))))	0033800
(SET X (DREVERSE X)) (RETURN (DREVERSE Y))))	0033900
(FUNCTION FIRSTN ((I INTEGER) X)	0034000
(IF (OR (EQ I 0) (NULL X))	0034100
NIL (CONS (CAR X) (FIRSTN (DIFFERENCE I 1) (CDR X))))	0034200
(ROUTINE DREVERSE (L)	0034300
(BLOCK (M)	0034400
Z (IF (NULL L) (RETURN M))	0034500
(BLOCK ((N (CDR L))) (SET (CDR L) M) (SET M L) (SET L N))	0034600
(GO Z)))	0034700
(FUNCTION ((EXPLCDE . LISP) SYMBOL)	0034800
((S (ARRAY C2AL)))	0034900
(BLOCK ((N INTEGER (STRINGL (IF (STRINGP S)	0035000
S (SET S (TOSTRG S)))) (R SYMBOL))	0035100
(IF (LS N 1) (RETURN NIL))	0035200
(FOR N (STEP N -1 LS 1) (SET R (CONS (GETCHAR S N) R)))	0035300
(RETURN R)))	0035400
(FUNCTION ((COMPRESS . LISP) SYMBOL)	0035500
((L SYMBOL))	0035600
(BLOCK NIL (FOR FSCHAR (IN L) (MAKEST))	0035700
(SET FSCHAR NIL) (RETURN (MAKEST))))	0035800
(FUNCTION (REVERSE SYMBOL)	0035900
((L SYMBOL))	0036000
(BLOCK ((X SYMBOL) (M SYMBOL))	0036100
(FOR X (IN L) (SET M (CONS X M))) (RETURN M)))	0036200
(FUNCTION (LAST SYMBOL)	0036300
((L SYMBOL))	0036400
(BLOCK NIL A (IF (ATOM L)	0036500
(RETURN L) (NULL (CDR L)) (RETURN (CAR L)))	0036600
(SET L (CDR L)) (GO A)))	0036700
(FUNCTION (FIND SYMBOL)	0036800
((A SYMBOL) (B SYMBOL))	0036900
(BLOCK ((C SYMBOL))	0037000
(FOR C (IN B)	0037100
(IF (AND (NOT (ATOM C)) (EQUALN A (CAR C))) (RETURN C)))	0037200
(RETURN NIL)))	0037300
(ROUTINE (FINDN SYMBOL)	0037400
((A SYMBOL) (B SYMBOL))	0037500
(BLOCK ((C SYMBOL))	0037600
(FOR C (IN B)	0037700
(IF (AND (NOT (ATOM C)) (EQN A (CAR C))) (RETURN C)))	0037800

(RETURN NIL)))	0037900
(FUNCTION (MEMBER BCCLEAN)	0038000
((A SYMBOL) (B SYMBOL))	0038100
(BLOCK NIL L (IF (ATOM B)	0038200
(RETURN NIL) (EQUALN A (CAR B)) (RETURN TRUE))	0038300
(SET B (CDR B)) (GO L)))	0038400
(FUNCTION (MAPFN SYMBOL)	0038500
((L SYMBOL) (FN (FUNCTIONAL SYMBOL SYMBOL)))	0038600
(BLOCK ((X SYMBOL (LIST NIL)))	0038700
(BLOCK ((Y SYMBOL X) (Z SYMBOL))	0038800
A (IF (NULL (SET Z (FN L))) (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 NVALUE)	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 (DELETED SYMBOL)	0041600
(AAA8 (B SYMBOL))	0041700
(MAPFN B (FUNARG SYMBOL ((J SYMBOL))	0041800
(IF (OR (ATOM J) (MEMBER (CAR J) AAA8)) NIL (LIST (CAR J))))))	0041900
(FUNCTION (LENGTH INTEGER)	0042000
((L SYMBOL))	0042100
(BLOCK ((N INTEGER))	0042200
(FOR L (ON L) (SET N (PLUS N 1))) (RETURN N)))	0042300
(ROUTINE (NOFF SYMBOL)	0042400
((N INTEGER) (L SYMBOL))	0042500
(BLOCK NIL (FOR L (ON L) (WHILE (GR N 0)) (SET N (PLUS N -1))	0042600
(RETURN L)))	0042700
(ROUTINE (MAX INTEGER)	0042800
((I INTEGER) (J INTEGER)) (IF (GR I J) I J))	0042900
(ROUTINE (MIN INTEGER)	0043000
((I INTEGER) (J INTEGER)) (IF (LS I J) I J))	0043100
(ROUTINE (MINR REAL) ((A REAL) (B REAL)) (IF (LS A B) A B))	0043200
(ROUTINE (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

(PLUS (TAG (S2C. S)) (TIMES (ARSIZE (S2O. S)) 6) -12)	0044200
(ERRMSG S (QUOTE (NCT A STRING))))	0044300
(SECTION (FSM SYS) SYMBOL)	0044400
(FUNCTION (MAKEST SYMBOL)	0044500
NIL (BLOCK ((ST SYMBOL)	0044600
(I OCTAL (I2O. (PLUS 1 (TAG (S2O. BASEST))))))	0044700
(IF (NCT FSCHAR) (GC START))	0044800
(BLOCK ((OCT OCTAL (CH2OCT FSCHAR)))	0044900
(CASE I (GC S0) (GC S1) (GC S2) (GC S3) (GC S4) (GC S5) (GC S6))	0045000
S0 (SET (BASEST 1) (SHIFT OCT 40))	0045100
(GO R)	0045200
S1 (SET OCT (SHIFT OCT 32))	0045300
S5 (SET (BASEST 1) (WCRDOR OCT (BASEST 1)))	0045400
R (SET (TAG (S2O. BASEST)) I)	0045500
(RETURN NIL)	0045600
S2 (SET OCT (SHIFT OCT 24))	0045700
(GO S5)	0045800
S3 (SET OCT (SHIFT OCT 16))	0045900
(GO S5)	0046000
S4 (SET OCT (SHIFT OCT 8))	0046100
(GO S5)	0046200
S6 (SET WORKST (NCCNCS WORKST BASEST))	0046300
(SET I 1Q) (GC S0))	0046400
START (SET ST (NCCNCS WORKST BASEST))	0046500
(SET WORKST NIL) (SET (TAG (S2O. BASEST)) OQ) (RETURN ST)))	0046600
(FUNCTION ((TOSTRG . LISP) SYMBOL)	0046700
((S SYMBOL))	0046800
(BLOCK NIL (IF (STRINGP S)	0046900
(RETURN (COPYARRAY S))	0047000
(CHARP S)	0047100
(GO CH)	0047200
(IDP S)	0047300
(GO ID)	0047400
(NUMBP S)	0047500
(RETURN (NUMSTR S))	0047600
(NOT S)	0047700
(GO NL)	0047800
(BOCLP S)	0047900
(GO TR) (FORMALP S) (BLOCK NIL (SET S (QUOTE F.....)) (GC ID)))	0048000
(ERRMSG S (QUOTE (NCT A TOKEN)))	0048100
CH (SET FSCHAR NIL)	0048200
(MAKEST)	0048300
(SET FSCHAR S)	0048400
(MAKEST)	0048500
R (SET FSCHAR NIL)	0048600
(RETURN (MAKEST))	0048700
ID (IF (AND (GENIDP S) (EQ (WORD1 (S2O. S)) OQ))	0048800
(GENPNAME S))	0048900
IDS (IF (EQ (BIT 2 1 (TAG (S2O. S))) OQ)	0049000
(BLOCK ((A (ARRAY OCTAL) (GETARRAY 2))	0049100
(B OCTAL (TAGIM (WORD3 (S2O. S))))))	0049200
(SET (PREFIX (S2O. A)) 6Q)	0049300
(IF (EQ B OQ) (RETURN (TRUNC. A 0)))	0049400
(SET (A 1) (WORD1 (S2O. S)))	0049500
(SET (TAG (S2O. A)) B) (RETURN A)))	0049600
(RETURN (COPYARRAY (C2S. (PNAME (S2O. S))))))	0049700
TR (SET S TRUE.) (GC IDS) NL (SET S NIL.) (GO IDS)))	0049800
(SECTION (SYS FSM LISP) SYMBOL)	0049900
(FUNCTION (NLMSTR SYMBOL)	0050000
((X SYMBOL))	0050100
(BLOCK ((I INTEGER))	0050200
(IF (INTP X)	0050300
(BLOCK NIL (SET I X)	0050400

A (IF (LS I 0)	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 '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 1) (R20. X)) -1025))	0051400
(M REAL))	0051500
(SET I (ENTIER (TIMES 0.3010299954 J)))	0051600
C (SET M (EXPT 10.) (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 0)	0052300
(IF (LS I 0) (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
LOOP (IF (EQ XX 0) (GO GG))	0052800
(SET K (CONS (CCT2CH (WORDOR 6Q1 (REMAINDER XX 10))) K))	0052900
(SET J (PLUS J 1))	0053000
(SET XX (IQUOTIENT XX 10))	0053100
(GO LOOP) GG (SET K (DREVERSE K)))	0053200
G (FOR J (STEP J 1 EQ 12)	0053300
(BLOCK ((XX INTEGER (ENTIER M)))	0053400
(SET K (CONS (CCT2CH (WORDOR 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 (NCT 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 ((Q 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 (WORDOR 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)))	C056800
I (BLOCK ((K SYMBOL NIL))	C056900
X (SET K (CONS (OCT2CH (WORDOR 6Q1 (REMAINDER I 10))) K))	C057000
(SET I (IQUOTIENT I 10)) (IF (GR I 0) (GO X)) (STMMAKE K))	C057100
E (SET FSCHAR NIL) (RETURN (MAKEST)))	C057200
(FUNCTION (STMMAKE NOVALUE)	C057300
((A SYMBOL)) (FOR FSCHAR (IN A) (MAKEST)))	C057400
(IDENTS (SECTION SYS SYMBOL)	C057500
(DECLARE (GENNC INTEGER OWN 10000) (GENPFX SYMBOL OWN (QUOTE A)))	C057600
(FUNCTION ((GETID . LISP) SYMBOL)	C057700
((S (ARRAY OCTAL)))	C057800
(BLOCK ((B INTEGER (S20. (OBLIST (BUCKET S))))	C057900
(W INTEGER (LEFTAD (S20. S))))	C058000
(IF (GR W 2)	C058100
(GO LONG)	C058200
(EQ (TAG (S20. S)) 1)	C058300
(RETURN (OCT2CH (BIT 40 8 (S 1))))	C058400
(LS W 2) (SET W 0) (SET W (S 1)))	C058500
SHORT (IF (EQ B 0)	C058600
(GO NC)	C058700
(AND (NQ (BIT 20 1 (WORD2 B)) 1) (EQ W (WORD1 B)))	C058800
(RETURN (C2S. B)))	C058900
(SET B (LINK B))	C059000
(GO SHORT)	C059100
LONG (SET W (BIT 24 24 (S 1)))	C059200
TEST (IF (EQ B 0)	C059300
(GO NC)	C059400
(AND (NQ (BIT 20 1 (WORD2 B)) 0)	C059500
(EQ (BIT 24 24 (WORD1 B)) W) (EQ S (O2S. (PNAME B))))	C059600
(RETURN (C2S. B))) (SET B (LINK B)) (GO TEST) NO (RETURN NIL)))	C059700
(FUNCTION (GENPNAME SYMBOL)	C059800
((S SYMBOL))	C059900
(BLOCK ((P (ARRAY OCTAL)	C060000
(SCONCS (TCSTRG GENPFX) (NUMSTR GENNO))))	C060100
(IF (GQ GENNC 100000) (GO B))	C060200
A (SET (WORD1 (S20. S)) (P 1))	C060300
(SET (TAGIM (WORD3 (S20. S))) (TAGIM (CORE (S20. P))))	C060400
(SET GENNO (I2C. (PLUS GENNO 1)))	C060500
(RETURN S)	C060600
B (SET GENNC 0)	C060700
(SET GENPFX (IF (EQ GENPFX (QUOTE Z))	C060800
(QUOTE A) (CHEAT INTEGER SYMBOL (PLUS (S20. GENPFX) 1))))	C060900
(GO A)))	C061000
(FUNCTION (GENID SYMBOL)	C061100
NIL (BLOCK ((S SYMBOL ((TRIPLE . SYS))))	C061200
(SET (WORD1 (S20. S)) 0)	C061300
(SET (WORD2 (S20. S)) 700000001Q6)	C061400
(SET (CHAINS S) (S20. S)) (SET (WORD3 (S20. S)) 0) (RETURN S)))	C061500
(DECLARE (OBLIST (ARRAY SYMBOL) OWN)	C061600
(OBLISZ INTEGER OWN 125) (BUCKNC INTEGER OWN))	C061700
(RCUTINE (BUCKET INTEGER)	C061800
((S (ARRAY OCTAL)))	C061900
(SET BUCKNO (IF (LS (LEFTAD (S20. S)) 2)	C062000
I (PLUS 1 (REMAINDER (ABS (S 1)) OBLISZ))))	C062100
(SECTION (FSM SYS) SYMBOL)	C062200
(DECLARE (BASEST (ARRAY OCTAL) OWN (QUOTE (*STRING AAAAA)))	C062300
(WORKST (ARRAY OCTAL) OWN NIL)	C062400
(FSMSYM SYMBOL OWN)	C062500
(RMSG (ARRAY SYMBOL)	C062600
OWN (QUOTE (*SYMBOL (*STRING ' IS ' ILLEGAL ' TOKEN ' SYNTAX)	C062700
(*STRING ' IS ' ILLEGAL ' TOKEN ' IN ' DATUM)	C062800
(*STRING ' FILE ' TERMINATOR ' INSIDE ' DATUM)	C062900
(*STRING ' . ' IS ' ILLEGAL ' AFTER ' LPAR)	C063000

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(*STRING ' FOUND ' INSTEAD ' OF ' ' )
' IN ' DOTTED ' PAIR))))
0063100
(XXCHAR SYMBOL OWN)
0063200
((GNLIST . SYS) SYMBOL NIL)
0063300
(SPFLAG BOOLEAN OWN NIL) (FSCHAR SYMBOL OWN NIL)
0063400
FUNCTION ((MAKID . FSM) SYMBOL)
0063500
NIL (BLOCK ((S SYMBOL ((GETID . LISP) FSMSYM)))
0063600
(IF S (RETURN S))
0063700
(SET S (TRIPLE))
0063800
(BLOCK ((A (ARRAY OCTAL) FSMSYM)
0063900
(L SYMBOL ((OBLIST . SYS) (BUCKNO . SYS)))
0064000
(W2 OCTAL (IF SPFLAG 1Q7 0Q)))
0064100
(BLOCK ((N OCTAL (ARSIZE (S20. A))) (W3 OCTAL (S20. L)))
0064200
(IF (NQ N 2) (GO LONG))
0064300
(SET (WORD1 (S20. S)) (A 1))
0064400
(SET (TAGIM W3) (TAG (S20. A)))
0064500
R (SET (WORD3 (S20. S)) W3)
0064600
(SET (PREFIM W2) 7Q)
0064700
(SET (WORD2 (S20. S)) W2)
0064800
(SET (CHAINS S) (S20. S))
0064900
(SET ((OBLIST . SYS) (BUCKNO . SYS)) S)
0065000
(RETURN S)
0065100
LONG (IF (GR N 2) (GO L1))
0065200
(SET W2 1Q7)
0065300
(GO R)
0065400
L1 (SET (WORD1 (S20. S))
0065500
(WORDOR (S20. FSMSYM) (WORDAND 77777777Q8 (A 1))))
0065600
(SET (BIT 20 1 W2) 1Q) (GO R))))
0065700
(FUNCTION ((MAKEID . LISP) SYMBOL)
0065800
((A (ARRAY OCTAL)))
0065900
(BLOCK NIL (SET SPFLAG (SPELLP A))
0066000
(SET FSMSYM (COPYARRAY A)) (RETURN ((MAKID . FSM))))
0066100
(FUNCTION (MGENID SYMBOL)
0066200
NIL (BLOCK ((R SYMBOL (FIND FSMSYM GNLIST)))
0066300
(IF R (RETURN (CDR R)))
0066400
(SET GNLIST (CONS (CONS FSMSYM (SET R (GENID))) GNLIST))
0066500
(RETURN R)))
0066600
(FUNCTION ((MAKIDE . FSM) SYMBOL)
0066700
NIL (BLOCK ((A (ARRAY OCTAL) FSMSYM)
0066800
(IF (EQ (LEFTAD (S20. A)) 2)
0066900
(BLOCK ((W OCTAL (A 1)))
0067000
(IF (EQ W (WORD1 (S20. TRUE.)))
0067100
(RETURN TRUE)
0067200
(OR (EQ W (WORD1 (S20. NIL.))) (EQ W (WORD1 (S20. FALSE.))))
0067300
(RETURN NIL)))) (SET SPFLAG NIL) (RETURN ((MAKID . FSM))))
0067400
(DECLARE (TRUE. SYMBOL OWN (QUOTE (*IDENTIFIER TRUE)))
0067500
(FALSE. SYMBOL OWN (QUOTE (*IDENTIFIER FALSE)))
0067600
(NIL. SYMBOL OWN (QUOTE (*IDENTIFIER 'N 'I 'L))))
0067700
(SECTION (ID FSM LISP SYS) SYMBOL)
0067800
(DECLARE (STPEL SYMBOL OWN)
0067900
(STSAVE SYMBOL OWN) (STR.CH INTEGER OWN))
0068000
(FUNCTION ((S.SUPL . ID) SYMBOL)
0068100
NIL (IF (LS (STRINGL STPEL) STR.CH)
0068200
(OCT2CH 34Q)
0068300
(BLOCK ((X SYMBOL (GETCHAR STPEL STR.CH)))
0068400
(SET STR.CH (PLUS STR.CH 1)) (RETURN X))))
0068500
SECTION (FSM IC LISP SYS) SYMBOL)
0068600
(FUNCTION (TOKEN INTEGER) NIL)
0068700
(FUNCTION ((PARSE . LISP) INTEGER)
0068800
((A SYMBOL) (C INTEGER))
0068900
(BLOCK ((TT (FUNCTIONAL SYMBOL) (XXFUNC . ID))
0069000
(ZZ SYMBOL (XXSAVE . IC)))
0069100
(SET (XXFUNC . IC) S.SUPL)
0069200
0069300

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(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 . IO) TT) (SET (XXSAVE . IO) ZZ) (RETURN C))	0069900
(FUNCTION ((SPELLP . FSM) BOOLEAN)	0070000
((A (ARRAY OCTAL)))	0070100
(BLOCK ((L INTEGER (STRINGL A)))	0070200
(RETURN (OR (LS L 1)	0070300
(AND (LS L 6)	0070400
(OR (EQ (SET L (A 1)) (WORD1 (S20. TRUE.)))	0070500
(EQ L (WORD1 (S20. NIL.))) (EQ L (WORD1 (S20. FALSE.))))	0070600
(LS (BLOCK NIL (SET STSAVE NIL)	0070700
(SET L (PARSE A 1))	0070800
((IF (GR STR.CH (STRINGL STSPEL)) (RETURN L) (RETURN 0))) 12)	0070900
(GR L 15)))) (SECTION LISP SYMBOL))	0071000
(ARITH (SECTION SYS SYMBOL)	0071100
(FUNCTION (SYM2REAL INTEGER) ((A SYMBOL)) (SIGN (SYM2REAL A)))	0071200
(FUNCTION (SYM2ABS SYMBOL) ((A SYMBOL)) (TIMES A (SIGN A)))	0071300
(FUNCTION (SYM2TIMES SYMBOL)	0071400
((A SYMBOL) (B SYMBOL))	0071500
(IF (FIXP A) (TIMES (SYM2INT A) B) (TIMES (SYM2REAL A) B)))	0071600
(FUNCTION (SYM2TIMR REAL)	0071700
((A REAL) (B SYMBOL)) (TIMES A (SYM2REAL B)))	0071800
(FUNCTION (SYM2TIMI SYMBOL)	0071900
((A INTEGER) (B SYMBOL))	0072000
(IF (FIXP B) (TIMES A (SYM2INT B)) (TIMES A (SYM2REAL B))))	0072100
(FUNCTION (SYM2PLUS SYMBOL)	0072200
((A SYMBOL) (B SYMBOL))	0072300
(IF (FIXP A) (PLUS (SYM2INT A) B) (PLUS (SYM2REAL A) B)))	0072400
(FUNCTION (SYM2PLUSR REAL)	0072500
((A REAL) (B SYMBOL)) (PLUS A (SYM2REAL B)))	0072600
(FUNCTION (SYM2PLUSI SYMBOL)	0072700
((A INTEGER) (B SYMBOL))	0072800
(IF (FIXP B) (PLUS A (SYM2INT B)) (PLUS A (SYM2REAL B))))	0072900
(FUNCTION (SYM2MINUS SYMBOL)	0073000
((A SYMBOL) (B SYMBOL))	0073100
(IF (FIXP B)	0073200
(DIFFERENCE A (SYM2INT B)) (DIFFERENCE A (SYM2REAL B)))	0073300
(FUNCTION (SYM2MINI SYMBOL)	0073400
((A INTEGER) (B SYMBOL))	0073500
(IF (FIXP B)	0073600
(DIFFERENCE A (SYM2INT B)) (DIFFERENCE A (SYM2REAL B)))	0073700
(FUNCTION (SYM2MINR REAL)	0073800
((A REAL) (B SYMBOL)) (DIFFERENCE A (SYM2REAL B)))	0073900
(FUNCTION (SYM2MINSYM 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 (CCTRCUND OCTAL) ((A REAL)) (ROUND A))	0074700
(RCUTINE (ROUND INTEGER) ((N REAL)) (ENTIER (PLUS N 0.5)))	0074800
(RCUTINE (ENTIER INTEGER)	0074900
((N REAL))	0075000
(IF (GQ N 0)	0075100
(SCALE (BIT 0 36 (R20. N))	0075200
(DIFFERENCE (BIT 36 12 (R20. N)) 2044Q))	0075300
(MINUS (ENTIER (DIFFERENCE (Q2R. 20007777777777777777Q) N))))	0075400
(FUNCTION (EXPT REAL)	0075500
((X REAL) (Y INTEGER))	0075600

(IF (LS Y 0)	C075700
(QUOTIENT 1.0 (EXPT X (MINUS Y)))	C075800
(BLOCK ((R REAL 1.0))	C075900
A (IF (EQ Y 0) (RETURN R))	C076000
(SET Y (PLUS Y -1)) (SET R (TIMES R X)) (GO A))))	C076100
ITTER (SECTION SYS SYMBOL)	C076200
(RCUTINE (BITTST BOOLEAN)	C076300
((X INTEGER) (Y INTEGER))	C076400
(AND (GQ X 0) (GR Y 0) (LQ (PLUS X Y) WDSIZE)))	C076500
(DECLARE (WDSIZE INTEGER OWN 48))	C076600
(RCUTINE (BITS OCTAL)	C076700
((X INTEGER) (Y INTEGER) (Z OCTAL))	C076800
(IF (BITTST X Y)	C076900
(WORDAND (INVERT (SHIFT (INVERT OQ) Y))	C077000
(SHIFT Z (MINUS X))) OQ))	C077100
(RCUTINE (BITSET OCTAL)	C077200
((X INTEGER) (Y INTEGER) (Z OCTAL LCC) (W OCTAL))	C077300
(IF (BITTST X Y)	C077400
(SET Z (BLOCK ((MASK OCTAL (INVERT OQ)))	C077500
(SET Y (PLUS WDSIZE (MINUS Y)))	C077600
(SET MASK (SHIFT (SHIFT (SHIFT MASK (MINUS X)) Y)	C077700
(PLUS X (MINUS Y))))	C077800
(RETURN (WORDOR (WORDAND (SHIFT W X) MASK)	C077900
(WORDAND Z (INVERT MASK)))))) W)))	C078000
(CCONVERTS (SECTION (LISP SYS) SYMBOL)	C078100
(RCUTINE ((INT2OCT . LISP) OCTAL) ((A INTEGER)) A)	C078200
(FUNCTION (SYM2OCT OCTAL)	C078300
((S (ARRAY OCTAL)))	C078400
(BLOCK ((X INTEGER (DIFFERENCE (S2O. S) 4Q5)))	C078500
(IF (GQ X 0)	C078600
(GO A)	C078700
(GQ (SET X (PLUS X 2Q5)) 0)	C078800
(GO B)	C078900
(OCTALP S)	C079000
(RETURN (S 1)) (INTP S) (GO C) (REALP S) (GO D) (NUMERR S))	C079100
A (SET X (DIFFERENCE X 2Q5))	C079200
B (RETURN (IF (EQ X 0) OQ (I2O. X)))	C079300
C (SET X (S 1)) (GO B) D (SET X (ENTIER (O2R. (S 1)))) (GO B)))	C079400
(FUNCTION (SYM2INT INTEGER) ((S SYMBOL)) (O2I. (SYM2OCT S)))	C079500
(FUNCTION (SYM2REAL REAL)	C079600
((S (ARRAY OCTAL)))	C079700
(IF (REALP S)	C079800
(O2R. (S 1)) (FIXP S) (FLOAT (SYM2OCT S)) (NUMERR S)))	C079900
(FUNCTION (NUMERR SYMBOL)	C080000
((S SYMBOL)) (ERROR (CONS S (QUOTE (NOT A NUMBER))))))	C080100
(FUNCTION (OCT2SYM SYMBOL)	C080200
((X OCTAL))	C080300
(IF (EQ (BIT 16 32 X) OQ)	C080400
(O2S. (PLUS X 2Q5))	C080500
(BLOCK ((A (ARRAY OCTAL) (GETARRAY 2)))	C080600
(SET (PREFIX (S2O. A)) 2) (SET (A 1) X) (RETURN A)))	C080700
(FUNCTION (REAL2SYM SYMBOL)	C080800
((X REAL))	C080900
(BLOCK ((A (ARRAY OCTAL) (GETARRAY 2)))	C081000
(SET (PREFIX (S2O. A)) 4) (SET (A 1) (R2O. X)) (RETURN A)))	C081100
(FUNCTION (INT2SYM SYMBOL)	C081200
((X INTEGER))	C081300
(IF (AND (LS X 2Q5) (GQ X 7777777777577777Q))	C081400
(O2S. (I2O. (PLUS X 6Q5)))	C081500
(BLOCK ((A (ARRAY OCTAL) (GETARRAY 2)))	C081600
(SET (PREFIX (S2O. A)) 3) (SET (A 1) (I2O. X)) (RETURN A)))	C081700
(FUNCTION (CH2OCT OCTAL)	C081800
((S SYMBOL))	C081900

(IF (CHARP S)	0082000
(DIFFERENCE (S20. S) CHO)	0082100
(ERRMSG S (QUOTE (IS NOT A CHARACTER))))	0082200
(FUNCTION (OCT2CH SYMBOL)	0082300
((X OCTAL))	0082400
(IF (AND (LS (SET X (I20. (PLUS X CHO))) TRC) (GQ X CHO))	0082500
(O2S. X)	0082600
(ERRMSG (I20. (DIFFERENCE X CHC))	0082700
(QUOTE (IS NOT CHARACTER REPRESENTATION))))	0082800
(FUNCTION (FCRM2SYM SYMBOL)	0082900
((X (FUNCTIONAL NOVALUE)))	0083000
(BLOCK ((A (ARRAY OCTAL) (GETARRAY 2)))	0083100
(SET (PREFIX (S20. A)) 5) (SET (A 1) (F20. X)) (RETURN A))	0083200
(FUNCTION (SYM2FCRM FUNCTIONAL)	0083300
((S (ARRAY OCTAL)))	0083400
(IF (FORMALP S)	0083500
(O2F. (S 1)) (ERRMSG S (QUOTE (IS NOT A FUNCTIONAL))))	0083600
(UTILITY (SECTION SYS SYMBOL)	0083700
(FUNCTION (ERRMSG1 SYMBOL) ((A SYMBOL)) (ERROR A))	0083800
(FUNCTION (ERRMSG SYMBOL)	0083900
((A SYMBOL) (B SYMBOL)) (ERROR (CONS A B)))	0084000
(FUNCTION (TRIPLE SYMBOL)	0084100
NIL (BLOCK ((X OCTAL TRL))	0084200
(IF (EQ X 0) (GO A))	0084300
(SET TRL (LINK TRL))	0084400
(RETURN (O2S. X))	0084500
A (SET TRP (I20. (PLUS TRP 3)))	0084600
(ADPDCK 3) (RETURN (O2S. (I20. (PLUS TRP -2))))	0084700
(ROUTINE (ADPDCK NOVALUE)	0084800
((C INTEGER))	0084900
(BLOCK NIL (SET (BIT 24 18 (CORENTRY PDGK1))	0085000
(PLUS (BIT 24 18 (CORENTRY PDCK1)) C))	0085100
(SET (BIT 24 18 (CORE (PLUS (ENTRY PDCK) 1)))	0085200
(PLUS (BIT 24 18 (CORE (PLUS (ENTRY PDCK) 1))) C)))	0085300
(ROUTINE (SPACEP. BOOLEAN)	0085400
((S SYMBOL)) (AND (GQ (S20. S) TRC) (LS (S20. S) LSC)))	0085500
(ROUTINE (TRSPAC BOOLEAN)	0085600
((S SYMBOL)) (AND (GQ (S20. S) TRC) (LS (S20. S) TRP))))	0085700
(DECLARES (SECTION SYS SYMBOL)	0085800
(DECLARE DECLU SQWKUN)	0085900
(FUNCTION MAKEFREE (N S STOR TYPE X)	0086000
(BLOCK ((FR (GETFREE N S))	0086100
(TES (FIND STOR KINDLIST))	0086200
(WRD1 OCTAL) DCWRD1 (WRD3 OCTAL) DCWRD3)	0086300
(IF (NULL TES) (GO KINDER))	0086400
(BLOCK ((TEST OCTAL (CDR TES)))	0086500
(IF (EQ TEST 2Q)	0086600
(GO MS)	0086700
(NULL (TYPEP TYPE)) (GO TYPERR) (SET TYPE (STANTP TYPE)))	0086800
(IF (NULL FR) (GO MF))	0086900
(BLOCK ((FG (FVLIST FR)))	0087000
(IF (NQ (CADR FG) TYPE)	0087100
(GO REDEF)	0087200
(NQ (CADR FG) X)	0087300
(GO REDEF)	0087400
(EQ TEST 0Q)	0087500
(GO R)	0087600
(NQ (CDR (FIND (CAR FG) KINDLIST)) TEST) (GO REDEF)))	0087700
MX (SET (XMFLAG (S20. FR)) (IF (NQ STOR (QUOTE FREE)) 1Q 0Q))	0087800
R (RETURN FR)	0087900
REDEF (IF (NQ (VCCOUNT (S20. FR)) 0Q) (GO RDECER))	0088000
(MESSAGE (APPEND (QUOTE (NEW DECLARATION FOR))	0088100
(LIST (CONS N S))))	0088200

MF (IF (NQ TEST 0) (GO MM))	0088300
(SET STOR (QUOTE FREE))	0088400
(SET TEST 11Q)	0088500
MM (SET WRD3 (MAKETYPE (LIST TYPE X)))	0088600
(IF (EQ (BIT 24 6 WRD3) 1Q)	0088700
(SET DCWRD3 (O2S. (BIT 6 18 WRD3))))	0088800
(IF (GR TEST 12Q) (GO FN))	0088900
(SET TES (FTYPER TYPE))	0089000
(IF (AND (EQ TEST 12Q) (EQ X (QUOTE VALUE)))	0089100
(SET WRD1 (DFINIT TES)) (SET DCWRD1 (CREATE 1 TES NIL)))	0089200
(GO MV)	0089300
FN (SET WRD1 (F20. FNTRAP))	0089400
(SET (BIT 42 6 WRD1) TEST)	0089500
(SET TEST 12Q)	0089600
MV (IF FR (GO FILL))	0089700
(SET FR (TRIPLE))	0089800
(SET (WORD2 (S20. FR)) 0Q)	0089900
(SET (CHAINS FR) (S20. S))	0090000
(SET (LINK (S20. FR)) (CHAINS N))	0090100
(SET (CHAINS N) (S20. FR))	0090200
FILL (IF DCWRD3 (SET (BIT 6 18 WRD3) (S20. DCWRD3)))	0090300
(IF DCWRD1 (BLOCK NIL (SET (BIT 0 18 WRD1)	0090400
(PLUS 1 (S20. DCWRD1)))	0090500
(SET (BIT 24 18 WRD1) (S20. DCWRD1)))	0090600
(SET (WORD1 (S20. FR)) WRD1)	0090700
(SET (TCODES FR) WRD3)	0090800
(SET (PREFIX (S20. FR)) TEST)	0090900
(GO MX)	0091000
MS (BLOCK ((FG (GETFREE TYPE X)))	0091100
(IF (NULL FG) (GO NOPDER))	0091200
(IF (AND (EQN TYPE N) (EQN X S))	0091300
(BLOCK NIL (SET (TCODES FR) (SYNTYPE FR)) (GO R)))	0091400
(IF (NULL (SET TES (SYNGET FG FR))) (GO SYNER))	0091500
(SET FG (FVLIST TES))	0091600
(IF (SET FR (MAKEFREE N S (CAR FG) (CADR FG) (CADDR FG)))	0091700
(SET (TCODES FR) (WORDOR 2Q8 (SHIFT (S20. TES) 6))))	0091800
(GO R)))	0091900
KINDER (SET TES (CONS STOR (QUOTE (INVALID KIND))))	0092000
(GO ERR)	0092100
TYPERR (SET TES (CONS TYPE (QUOTE (INVALID TYPE))))	0092200
(GO ERR)	0092300
RDECEK (SET TES (CONS (FVLIST FR)	0092400
(APPEND (QUOTE (NOT CHANGED TC)) (LIST (LIST STOR TYPE X))))	0092500
(GO ERR)	0092600
SYNER (SET TES (QUOTE (CIRCULAR SYNONYM)))	0092700
(GO MNS)	0092800
NOPDER (SET TES (QUOTE (NO PRICR DECLARATION)))	0092900
MNS (SET TES (APPEND (LIST STOR (CONS TYPE X)) TES))	0093000
ERR (MESSAGE (CONS (CONS N S) TES)))	0093100
(DECLARE (KINDLIST SYMBOL OWN (QUOTE ((STET . 0Q)	0093200
(MEANS . 2Q)	0093300
(FREE . 11Q)	0093400
(FLUID . 11Q)	0093500
(OWN . 12Q)	0093600
(FUNCTION . 21Q)	0093700
(MACRO . 22Q) (INSTRUCTIONS . 23Q) (ROUTINE . 24Q))))	0093800
(ROUTINE (SYNTYPE OCTAL) ((A SYMBCL)) (TCODES (SYNGET A NIL)))	0093900
(ROUTINE (SYNGET SYMBCL)	0094000
((A SYMBCL) (B SYMBCL))	0094100
(BLOCK ((C OCTAL))	0094200
L (IF (EQN A B) (RETURN NIL))	0094300
(SET C (TCODES A))	0094400
(IF (NQ (BIT 24 6 C) 2Q) (RETURN A))	0094500

(SET A (O2S. (BIT 6 18 C))) (GC L)))	0094600
(FUNCTION (MAKETYPE OCTAL)	0094700
((TYPE SYMBCL LEXICAL))	0094800
(BLOCK ((J OCTAL LEXICAL OQ))	0094900
(BLOCK ((AA (ARRAY OCTAL) FREE)	0095000
(NN INTEGER FREE 1)	0095100
(RR INTEGER FREE 0)	0095200
(PP INTEGER FREE 42)	0095300
(WWL OCTAL FREE LOC J) (HERE BOOLEAN FREE TRUE))	0095400
(TYPRDL TYPE)	0095500
(RETURN (IF (EQ NN 1)	0095600
(BIT 42 6 WWL)	0095700
(LS NN 6)	0095800
(BIT 18 30 WWL) (WORDOR 1Q8 (SHIFT (S2O. AA) 6))))))	0095900
(FUNCTION (TYPRDL NOVALUE)	0096000
((X SYMBOL LEXICAL))	0096100
(IF (ATCM X)	0096200
(BLOCK ((TC OCTAL LEXICAL OQ))	0096300
(IF (NUMBP X)	0096400
(SET TC X)	0096500
(SET X (FINDN X (QUOTE ((SYMBCL . OQ)	0096600
(BOOLEAN . 1Q)	0096700
(OCTAL . 2Q)	0096800
(INTEGER . 3Q)	0096900
(REAL . 4Q)	0097000
(FUNCTIONAL . 5Q)	0097100
(ARRAY . 12Q1)	0097200
(LOC . 11Q1) (NOVALUE . 37Q) (INDEF . 37Q))))))	0097300
(SET TC (CDR X)) (GC R))	0097400
(IF HERE (GC STUFF)	0097500
(AND (EQ TC 77Q) (OR (EQ PP 0) (EQ NN 5))) (GC R))	0097600
(IF (EQ (SET NN (PLUS NN 1)) 6)	0097700
(SET AA (CREATE 1 (QUOTE OCTAL) WWL))	0097800
(EQ PP OQ)	0097900
(BLOCK NIL (SET AA (NCONCS AA (CREATE 1 (QUOTE OCTAL) OQ)))	0098000
(SET PP 48)) (GC UPP))	0098100
(SET RR (PLUS RK 1))	0098200
(LOCSET WWL (AA RR))	0098300
UPP (SET PP (PLUS PP -6))	0098400
STUFF (SET HERE (IF (EQ (BIT 6 6 TC) OQ) NIL TRUE))	0098500
(SET WWL (WORDOR (SHIFT (BIT 0 6 TC) PP) WWL)) R)	0098600
(BLOCK NIL (IF (NULL (CDR X))	0098700
(GC CN)	0098800
(TMCLDP (CADR X))	0098900
(SET X (REVERSE X))	0099000
(EQ (CAR X) (QUOTE FUNCTIONAL))	0099100
(SET X (APPEND (CONS 45Q (CDR X)) (QUOTE (77Q))))))	0099200
ON (MAPCAR X TYPRDL))))))	0099300
(RETRIEVE (SECTION (LISP SYS) SYMBCL)	0099400
(FUNCTION ALLDEC (X)	0099500
(IF (NOT (IDP X))	0099600
NIL (BLOCK ((Y (O2S. (BIT 24 18 (CCRE (S2O. X)))))) Z)	0099700
(FOR Y (RESET Y (O2S. (BIT 0 18 (CORE (PLUS (S2O. Y) 1))))))	0099800
(WHILE (NQ X Y)) (SET Z (CONS ((VARNAME . SYS) Y) Z)))	0099900
(RETURN Z))))	0100000
(FUNCTION FINDEC (N SN)	0100100
(BLOCK ((T OCTAL (S2O. (GETFREE N SN))))	0100200
(RETURN (IF (EQ T 0)	0100300
NIL (LIST T (CORE (PLUS T -1))	0100400
((FVLIS1 . COMPIL) (O2S. T))))))	0100500
(SECTION SYS SYMBCL)	0100600
(RCUTINE (GETFREE SYMBCL)	0100700
((N SYMBCL) (S SYMBCL))	0100800

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(BLOCK ((P OCTAL (CHAINS N)))                                0100900
L (IF (EQN (O2S. P) N)                                       0101000
  (RETURN NIL) (EQN (O2S. (CHAIN P)) S) (RETURN (O2S. P))) 0101100
  (SET P (LINK P)) (GO L)))                                  0101200
(FUNCTION (FVLIST SYMBOL)                                     0101300
  ((S SYMBOL)) (IF S (CONS (FVKIND S) (GETYPE S)) NIL))    0101400
(FUNCTION (FVKIND SYMBOL)                                    0101500
  ((S SYMBOL)                                               0101600
  (IF (EQ (BIT 42 6 (WORD3 (S20. S))) 2Q)                  0101700
    (QUOTE MEANS)                                           0101800
    (EQ (PREFIM (WORD2 (S20. S))) 11Q)                      0101900
    (IF (EQ (XMFLAG (S20. S)) 0Q) (QUOTE FREE) (QUOTE FLUID)) 0102000
    (EQ (WORDAND 1014 (WORD3 (S20. S))) 0Q)                0102100
    (QUOTE OWN)                                             0102200
    (BLOCK ((X SYMBOL (FINDN (BIT 0 3 (PREFIM (WORD1 (S20. S)))) 0102300
      (QUOTE ((OC . OWN)                                     0102400
        (1Q . FUNCTION)                                     0102500
        (2Q . MACRO) (3Q . INSTRUCTIONS) (4Q . ROUTINE)))))) 0102600
      (IF X (RETURN (CDR X)) (RETURN (QUOTE UNKNOWN))))))    0102700
(DECLARE (AA (ARRAY OCTAL))                                  0102800
  (N INTEGER)                                               0102900
  (WW OCTAL LOC) (RR INTEGER) (PP INTEGER) (WV OCTAL))     0103000
(FUNCTION GETYPE (S)                                        0103100
  (IF (EQ (BIT 42 6 (WORD3 (S20. S))) 2Q)                  0103200
    (BLOCK ((Q SYMBOL (VARNAME (O2S. (BIT 24 18 (WORD3 (S20. S)))))) 0103300
      (RETURN (LIST (CAR Q) (CDR Q))))                     0103400
    (BLOCK ((WV OCTAL FREE (SYNTYPE S))                    0103500
      (AA (ARRAY OCTAL) FREE)                               0103600
      (PP INTEGER FREE 42) (RR INTEGER FREE 1))            0103700
      (IF (EQ (BIT 24 6 WV) 0Q)                             0103800
        (SET PP 0) (EQ (BIT 24 6 WV) 1Q) (GO A) (SET PP 24)) 0103900
      R (RETURN (RDTYPE))                                   0104000
      A (SET AA (O2S. (BIT 6 18 WV))) (SET WV (AA 1)) (GO R))) 0104100
    (FUNCTION RDTYPE NIL (DETYPE (RDTYPE)))                0104200
    (FUNCTION DETYPE ((TC OCTAL))                          0104300
      (LIST (STANTP (DTYP TC))                              0104400
      (IF (EQ (BIT 3 1 TC) 0Q) (QUOTE VALUE) (QUOTE LOC)))) 0104500
    (FUNCTION DTYP ((TC OCTAL))                            0104600
      (IF (EQ (BIT 5 1 TC) 0Q)                              0104700
        (CDR (FINDN (WORDAND TC 27Q) STYPES))              0104800
        (BLOCK ((N OCTAL (RDTYPE)))                         0104900
          (BLOCK ((J (LIST (IF (NQ N 37Q) (DTYP N) (QUOTE NVALUE)) 0105000
            (QUOTE FUNCTIONAL))))                           0105100
          LOOP (SET N (RDTYPE))                              0105200
            (IF (NQ N 77Q)                                   0105300
              (BLOCK NIL (SET J (CONS (IF (NQ N 37Q)         0105400
                (DETYPE N) (LIST (QUOTE INDEF) (RDTYPE))) J)) (GO LOOP))) 0105500
            (RETURN (REVERSE J))))))                        0105600
    (ROUTINE (RDTYPE OCTAL)                                 0105700
      NIL (BLOCK ((TC OCTAL (BIT PP 6 WV)))                 0105800
        (IF (NQ PP 0) (SET PP (PLUS PP -6)) AA (GO ARR) (GO B)) 0105900
        RT (RETURN TC)                                      0106000
        B (SET WV (INVERT 0Q))                              0106100
        R (SET PP 42)                                       0106200
        (GO RT)                                             0106300
        ARR (IF (LS (SET RR (PLUS RR 1)) (ARSIZE (S20. AA))) 0106400
          (SET WV (AA RR)) (GO B)) (GO R))))               0106500
(TYPEQ (SECTION SYS SYMBOL)                                 0106600
  (FUNCTION (TYPEP BOOLEAN)                                0106700
    ((J SYMBOL)) (OR (STYPEP J) (ATYPEP J) (FUNTYP J))) 0106800
  (FUNCTION (STYPEP BOOLEAN)                               0106900
    ((J SYMBOL)                                            0107000
    (MEMBER J (QUOTE (BOOLEAN INTEGER OCTAL REAL SYMBOL)))) 0107100

```


(FUNCTION (ATYPEP BOCLEAN)	C107200
((J SYMBOL))	C107300
(AND (NCT (ATCM J))	0107400
(EQN (CAR J) (QUOTE ARRAY))	C107500
(CDR J) (NULL (CDDR J)) (FTYPP (CADR J))))	C107600
(FUNCTION (FLNTYP BOCLEAN)	C107700
((J SYMBOL))	0107800
(AND (NCT (ATCM J))	C107900
(EQN (CAR J) (QUOTE FUNCTIONAL))	C108000
(SET J (CDR J))	C108100
(VTYPEP (CAR J))	0108200
(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 BOCLEAN)	C108700
((J SYMBOL)) (OR (STYEP J) (EQN J (QUOTE FUNCTIONAL))))	C108800
(FUNCTION (VTYPEP BOCLEAN)	0108900
((J SYMBOL)) (OR (FTYPP J) (EQN J (QUOTE NOVALUE))))	C109000
(FUNCTION (INDEFP BOCLEAN) ((J SYMBOL)) NIL)	C109100
(FUNCTION (PTYPEP BOCLEAN)	C109200
((J SYMBOL))	C109300
(IF (ATCM J)	C109400
(FTYPP J)	C109500
(AND (FTYPP (CAR J))	0109600
(OR (NULL (CDR J)) (AND (TMODEP (CADR J)) (NULL (CDDR J))))))	C109700
(FUNCTION (TMODEP BOCLEAN)	C109800
((J SYMBOL)) (MEMBER J (QUOTE (LCC VALUE))))	C109900
(RCUTINE (FTYPER SYMBCL)	C110000
((TYPE SYMBCL))	C110100
(IF (ATCM TYPE)	C110200
TYPE (EQ (CAR TYPE) (QUOTE FUNCTIONAL))	C110300
(QUOTE FUNCTIONAL) (QUOTE SYMBCL)))	C110400
(FUNCTION STANTP (TYPE)	C110500
(IF (NOT (FLNTYP 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 SYMBCL)	C111300
(RCUTINE (DFINIT CCTAL)	C111400
((TYPE SYMBCL))	0111500
(IF (NQ TYPE (QUOTE FUNCTIONAL)) JQ (F20. FMTRAP)))	C111600
(DECLARE (TYPMSG CWN (QUOTE (IS NCT LEGAL TYPE))))	C111700
(FUNCTION (CCVRT CCTAL)	C111800
((TYPE SYMBCL) (VALUE SYMBCL))	0111900
(IF (OR (EQ TYPE (QUOTE SYMBCL)) (EQ TYPE (QUOTE BOCLEAN)))	C112000
(S20. VALUE)	C112100
(OR (EQ TYPE (QUOTE INTEGER)) (EQ TYPE (QUOTE OCTAL)))	C112200
VALUE (EQ TYPE (QUOTE REAL))	0112300
(R20. VALUE)	C112400
(EQ TYPE (QUOTE FUNCTIONAL)) (F20. VALUE) (ERRMSG TYPE TYPMSG)))	C112500
(DECLARE (STYPES SYMBCL CWN (QUOTE ((OQ . SYMBCL)	C112600
(1Q . BOCLEAN)	C112700
(2Q . CCTAL)	0112800
(3Q . INTEGER)	C112900
(4Q . REAL)	C113000
(5Q . FUNCTIONAL)	0113100
(6Q . STRING)	0113200
(7Q . ID)	C113300
(1Q1 . QUOTE)	C113400

(11Q . FLUID)	0113500
(12Q . OWN)	0113600
(13Q . EMPTY)	0113700
(201 ARRAY SYMBOL)	0113800
(21Q ARRAY BCCLEAN)	0113900
(22Q ARRAY OCTAL)	0114000
(23Q ARRAY INTEGER)	0114100
(24Q ARRAY REAL) (25Q ARRAY FUNCTIONAL))))))	0114200
(FUNCTION (STYPE SYMBOL)	0114300
((S SYMBOL))	0114400
(BLOCK ((A SYMBOL (IF (SPACEP. S)	0114500
(FINDN (PREFIX (S20. S)) STYPES) NIL)))	0114600
(RETURN (IF A (CAR A) NIL))))))	0114700
(MAKEQUOTE (FUNCTION (MAKEQUOTE SYMBOL)	0114800
((S SYMBOL))	0114900
(BLOCK ((TR SYMBOL (TRIPLE)))	0115000
(SET (WORD3 (S20. TR)) 0Q)	0115100
(SET (WORD2 (S20. TR)) 10000000000000001Q)	0115200
(SET (WORD1 (S20. TR)) (S20. S)) (RETURN TR))))	0115300
(DEBUGER (SECTION (DEBUG SYS) SYMBOL)	0115400
(FUNCTION ((ARTYPE . ID) SYMBOL) ((X SYMBOL)))	0115500
(FUNCTION ((ARYCHK . DEBUG) INTEGER)	0115600
((A SYMBOL) (T SYMBOL) (S INTEGER))	0115700
(IF (NOT (ARRAYP A))	0115800
(S20. (ERRCR (LIST A (QUOTE SUBSCRIPTED))))	0115900
(NOT (EQN T ((ARTYPE . ID) A)))	0116000
(S20. (ERRCR (QUOTE (BAD TYPED ARRAY))))	0116100
(OR (LQ S C) (GQ S (BIT 24 18 (CORE (S20. A))))))	0116200
(S20. (ERRCR (QUOTE (OUT OF BOUNDS SUBSCRIPT)))) S))	0116300
(FUNCTION ((ATMCHK . DEBUG) SYMBOL)	0116400
((X SYMBOL))	0116500
(IF (ATCM X) (ERROR (CONS X (QUOTE (CAR OR CDR ED)))) X))	0116600
(FUNCTION ((FUNCHK . DEBUG) NOVALUE)	0116700
((ID SYMBOL) (F (FUNCTIONAL REAL)))	0116800
(BLOCK ((E SYMBOL (CADR (FVLIST (C2S. (I20. (PLUS (BIT 0 18 (F20.	0116900
F) 1))))))	0117000
(IF (NOT (CR (EQ (QUOTE NOVALUE) (CADR D))	0117100
(EQN (CADR D) (CADR E))))	0117200
(ERROR (QUOTE (FUNCTIONAL VALUE TYPE MISMATCH))))	0117300
(IF (NOT (EQ (CDDR D) (CDDR E)))	0117400
(ERROR (QUOTE (ARG OF FUNCTIONAL TYPE MISMATCH))))))	0117500
	0117600
****END OF FILE DETECTED	

(SEC.LISP (SECTION LISP SYMBOL)	0000100
(FUNCTION (ERROR SYMBOL) ((S SYMBOL)))	0000200
(FUNCTION (PRETTYP SYMBOL) ((S SYMBOL)))	0000300
(FUNCTION (FITATOM SYMBOL) ((S SYMBOL)))	0000400
(FUNCTION (OPEN SYMBOL) ((FN SYMBOL) (DL SYMBOL)))	0000500
(FUNCTION (SHUT SYMBOL) ((FN SYMBOL) (DL SYMBOL)))	0000600
(FUNCTION (POSITION SYMBOL) ((F SYMBOL) (A INTEGER)))	0000700
(FUNCTION (INPUT SYMBOL) ((X SYMBOL)))	0000800
(FUNCTION (OUTPUT SYMBOL) ((X SYMBOL)))	0000900
(FUNCTION (PRINT SYMBOL) ((X SYMBOL)))	0001000
(FUNCTION (PRIN SYMBOL) ((X SYMBOL)))	0001100
(FUNCTION (PRINC 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 (PRINCF SYMBOL) ((X SYMBOL)))	0001700
(FUNCTION (READCF SYMBOL) NIL)	0001800
(FUNCTION READ NIL)	0001900
(FUNCTION PRINARRAY (A))	0002000
(FUNCTION (PRINWORD OCTAL) ((X OCTAL)))	0002100
(FUNCTION (READWORD 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
(ROUTINE (CLEAR NOVALUE) ((FN SYMBOL)))	0003100
(ROUTINE (GET SYMBOL) ((FN SYMBOL) (DL SYMBOL)))	0003200
(ROUTINE (GETCHAR SYMBOL) ((A (ARRAY OCTAL)) (CC INTEGER))))	0003300
(ARSIZE (SECTION IO SYMBOL)	0003400
MACRO1(((ARSIZE (LAMBDA (S) (LIST (QUOTE BIT) 24 18	0003500
(CONS (QUOTE CCRE) (CDR S))))))	0003600
(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 (CHSUPPL SYMBOL) NIL)	0004300
(FUNCTION (TTYSPPL 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 (OUTTY NOVALUE) NIL)	0005100
(FUNCTION (OUTAPE NOVALUE) NIL)	0005200
(FUNCTION (OUTDISC NOVALUE) NIL)	0005300
(FUNCTION (INTPAS NOVALUE) NIL)	0005400
(FUNCTION (OUTPAS NOVALUE) NIL)	0005500
(FUNCTION (INDCAS NOVALUE) NIL)	0005600
(FUNCTION (OUTDCAS NOVALUE) NIL)	0005700
(ROUTINE (MOVEI INTEGER) ((S INTEGER) (B OCTAL LOC)))	0005800
(ROUTINE (MOVEC INTEGER) ((S INTEGER) (B OCTAL LOC)))	0005900
(ROUTINE (MODIFY INTEGER) NIL)	0006000
(FUNCTION (RDEC SYMBOL) ((NM INTEGER)))	0006100
(ROUTINE (FDEC INTEGER)	0006200
((NM INTEGER)	0006300

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

(ENTRY MDSIZE ((LABEL MOD) 4))	0012700
(ENTRY MDSTAT ((LABEL MOD) 5))	0012800
(ENTRY DSPCHR 312Q)	0012900
(ENTRY IN (LABEL INK))	0013000
(ENTRY OUT (LABEL OUTK))	0013100
DEC (4331624731310113Q)	0013200
(2631432560600606Q)	0013300
(163637011717777Q)	0013400
(644531636060001Q1)	0013500
(2646514460600521Q)	0013600
(456444662462016Q1)	0013700
(1)	0013800
(5125254360600604Q)	0013900
(0)	0014000
(475146632542Q4)	0014100
(47466263606Q5)	0014200
(634562632163Q4)	0014300
MDOV (4331624731310114Q)	0014400
(4446652560600606Q)	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
(47466263606Q5)	0015700
BELLS (4331624731310105Q)	0015800
(4446652560600606Q)	0015900
(163637011717777Q)	0016000
(466463476463046Q1)	0016100
(234651253167016Q1)	0016200
(0 (LABEL BELL1))	0016300
BELL1 (700070003Q4)	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
(26465144606Q5)	0018500
INS (4331624731310107Q)	0018600
(3145622551630606Q)	0018700
(0)	0018800
(3145452144250606Q)	0018900

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(0)
(634562632163Q4)
(456444662462016Q1)
(0)
MOD (4231624731310105Q)
(4446243126700606Q)
(0)
(45644466246201Q2)
(0)
(634562632163Q4)
BUF (6Q14 E. 0 520)
(60636C606C606C6Q1)
(DITTO 519)
INK (31454764636004Q2) OUTK (46646347646304Q2)) NIL LISP))
(CNVRTB (FNCTICN ((NILF . LISP) SYMBOL) NIL NIL)
(SECTION IC SYMBCL)
(DECLARE (CNVRTB (ARRAY CCTL)
CWN (QUOTE (*CCTL 60010040006Q5 6001000100610001Q
6001000200620002Q 7702000300630003Q 6001000400640004Q
6001000500650005Q 6001000600660006Q 5201000700670007Q
600100100070001Q1 6001001100710011Q 320100120000012Q
6001001300750013Q 6001001400470014Q 3202001500720015Q
6001001600760016Q 6001001700430017Q 6001002000530020Q
6001002101010021Q 6001002201020022Q 6001002301030023Q
6001002401040024Q 6001002501050025Q 6001002601060026Q
6001002701070027Q 600100300110003Q1 6001003101110031Q
6001003200150032Q 6001003300560033Q 6001003400510034Q
6001003500450035Q 6001003601340036Q 6001003701370037Q
602200400055004Q1 6001004101120041Q 6001004201130042Q
1704004301140043Q 5305004401150044Q 3521004501160045Q
2001004601170046Q 1403004701200047Q 740500500121005Q1
3405005101220051Q 5405005200070052Q 2012005300440053Q
7323005400520054Q 4013005501350055Q 3316005600730056Q
6111005701360057Q 1400600840006Q1 114006100570061Q
214006201230062Q 314006301240063Q 414006401250064Q
514006501260065Q 614006601270066Q 714006701300067Q
101500700131007Q1 1115007101320071Q 1505007200770072Q
5605007300540073Q 7611007400500074Q 1311007501330075Q
1611007600740076Q 7201007700030077Q 600101000000014Q1
2121010100000101Q 2221010200000102Q 2321010300000103Q
2421010400000104Q 2517010500000105Q 2621010600000106Q
2721010700000107Q 302101100000011Q1 3121011100000111Q
4121011200000112Q 4221011300000113Q 4321011400000114Q
4421011500000115Q 4521011600000116Q 4621011700000117Q
472101200000012Q1 5020012100000121Q 5121012200000122Q
6221012300000123Q 6321012400000124Q 6421012500000125Q
6521012600000126Q 6621012700000127Q 672101300000013Q1
7021013100000131Q 7121013200000132Q 7505013300000133Q
3605013400000134Q 5505013500000135Q 5705013600000136Q
3705013700000137Q 600101Q10 210101Q8 220101Q2Q8 230101Q3Q8
240101Q4Q8 250101Q5Q8 260101Q6Q8 270101Q7Q8 300101Q9 310101Q11Q8
410101Q12Q8 420101Q13Q8 430101Q14Q8 440101Q15Q8 450101Q16Q8
460101Q17Q8 470101Q18Q9 500101Q19Q8 510101Q20Q8 620101Q23Q8 630101Q24Q8
640101Q25Q8 650101Q26Q8 660101Q27Q8 670101Q28Q9 700101Q31Q8 710101Q32Q8
750101Q33Q8 6001004Q9 55010135Q8 6001004Q9 60010177Q8))))))
(VARIABLES (SECTION SYS SYMBOL)
(DECLARE (CHC CCTL CWN)
(XXDLIM SYMBCL CWN (QUOTE '.))
(XXCHAR SYMBCL CWN)
(GNMODE BOOLEAN FLUID NIL)
(PRMODE BOOLEAN FLUID NIL) (OTTY SYMBOL CWN) (ITTY SYMBOL CWN))
(SECTION LISP SYMBCL)
(DECLARE (TTY. SYMBCL FLUID (QUOTE ((UNIT . TTY)
0019000
0019100
0019200
0019300
0019400
0019500
0019600
0019700
0019800
0019900
0020000
0020100
0020200
0020300
0020400
0020500
0020600
0020700
0020800
0020900
0021000
0021100
0021200
0021300
0021400
0021500
0021600
0021700
0021800
0021900
0022000
0022100
0022200
0022300
0022400
0022500
0022600
0022700
0022800
0022900
0023000
0023100
0023200
0023300
0023400
0023500
0023600
0023700
0023800
0023900
0024000
0024100
0024200
0024300
0024400
0024500
0024600
0024700
0024800
0024900
0025000
0025100
0025200

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(FORM . ASCII) (RECORD . 1) (HORIZONTAL 1 73 72))))	0025300
(TAPE. SYMBCL FLUID (QUOTE ((UNIT . TAPE)	0025400
(FORM . BCD)	0025500
(RECORD . 30) (HORIZONTAL 1 73 80) (VERTICAL 1 51 50))))	0025600
(DISC. SYMBCL FLUID (QUOTE ((UNIT . DISC)	0025700
(FORM . BCD)	0025800
(RECORD . 51) (HORIZONTAL 1 73 80) (VERTICAL 1 51 50))))	0025900
(CORE. SYMBCL 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 (ID SYS) SYMBCL)	0027100
(DECLARE (DDSW INTEGER OWN)	0027200
(CURCOL INTEGER FLUID LOC)	0027300
(ICURCOL INTEGER FLUID LOC)	0027400
(CURLINE INTEGER FLUID LOC)	0027500
(ICURLINE INTEGER FLUID LOC)	0027600
(SUMLINE INTEGER FLUID LOC)	0027700
(ISUMLINE INTEGER FLUID LOC)	0027800
(LMG INTEGER FLUID LOC)	0027900
(ILMG INTEGER FLUID LOC)	0028000
(RMG INTEGER FLUID LOC)	0028100
(IRMG INTEGER FLUID LOC)	0028200
(MAXCOL INTEGER FLUID LOC)	0028300
(IMAXCOL INTEGER FLUID LOC)	0028400
(TOP INTEGER FLUID LOC)	0028500
(ITOP INTEGER FLUID LOC)	0028600
(BOT INTEGER FLUID LOC)	0028700
(IBOT INTEGER FLUID LOC)	0028800
(PAGE INTEGER FLUID LOC)	0028900
(IPAGE INTEGER FLUID LOC)	0029000
(RECORD INTEGER FLUID LOC)	0029100
(IRECORD INTEGER FLUID LOC)	0029200
(SIZE INTEGER FLUID LOC)	0029300
(ISIZE INTEGER FLUID LOC)	0029400
(COUNT INTEGER FLUID LOC)	0029500
(ICOUNT INTEGER FLUID LOC)	0029600
(MAXSEC INTEGER FLUID LOC)	0029700
(IMAXSEC INTEGER FLUID LOC)	0029800
(SECTOR INTEGER FLUID LOC)	0029900
(ISECTOR INTEGER FLUID LOC)	0030000
(STATUS INTEGER FLUID LOC)	0030100
(ISTATUS INTEGER FLUID LOC)	0030200
(TTYMAX INTEGER FLUID LOC)	0030300
(NAME INTEGER FLUID LOC)	0030400
(INAME INTEGER FLUID LOC)	0030500
(BUFLOC (ARRAY OCTAL) FLUID)	0030600
(IBUFLOC (ARRAY OCTAL) FLUID)	0030700
(LINELOC OCTAL FLUID LOC)	0030800
(ILINELOC OCTAL FLUID LOC)	0030900
(FIXLOC OCTAL FLUID LOC)	0031000
(CURFN SYMBCL FLUID)	0031100
(ICURFN SYMBCL FLUID)	0031200
(RMGO (FUNCTIONAL NOVALUE) FLUID LOC)	0031300
(IRMGO (FUNCTIONAL NOVALUE) FLUID LOC)	0031400
(BOTO (FUNCTIONAL NOVALUE) FLUID LOC)	0031500

(IBOTO (FUNCTIONAL NOVALUE) FLUID LOC)	0031600
(MOVE (FUNCTIONAL NOVALUE) FLUID LOC)	0031700
(IMOVE (FUNCTIONAL NOVALUE) FLUID LOC)	0031800
(XXFUNC (FUNCTIONAL SYMBOL) FLUID LOC)	0031900
(KEY (FUNCTIONAL NOVALUE) FLUID LOC)	0032000
(IKEY (FUNCTIONAL NOVALUE) FLUID LOC)	0032100
(XXSAVE SYMBOL FLUID LOC)	0032200
(FILES. SYMBOL FLUID NIL)	0032300
(WPL INTEGER FLUID LOC)	0032400
(IWPL INTEGER FLUID LOC)	0032500
(CPW INTEGER FLUID 6)	0032600
(SHORWD SYMBOL FLUID (QUOTE (*STRING A.WORD)))	0032700
(MSG1 SYMBOL CWN (QUOTE (*STRING 'R 'E 'D 'L '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 '2 ')))	0032900
(MSG3 SYMBOL CWN (QUOTE (*STRING 'T 'S 'S ' 'R 'E 'J 'E 'C 'T ' '))	0033000
(MSG4 SYMBOL CWN (QUOTE (*STRING 'F 'I 'L 'E ' 'N 'O 'T ' 'O 'P 'E 'N 'E 'D ' ')))	0033100
(MSG5 SYMBOL CWN (QUOTE (*STRING 'N 'O 'T ' 'B 'I 'N 'A 'R 'Y ' 'F 'I 'L 'E ' ')))	0033200
(MSG6 SYMBOL CWN (QUOTE (*STRING 'I 'L 'L 'E 'G 'A 'L ' 'U 'N 'I 'T ' ')))	0033300
(MSG7 SYMBOL CWN (QUOTE (*STRING 'T 'A 'P 'E ' 'X 'F 'E 'R ' ')))	0033400
(MSG8 SYMBOL CWN (QUOTE (*STRING 'F 'I 'L 'E ' 'L 'O 'C 'K 'E 'D ' ' ')))	0033500
(MSG9 SYMBOL CWN (QUOTE (*STRING 'F 'I 'L 'E ' 'L 'O 'C 'K 'E 'D ' ' ')))	0033600
(MSG10 SYMBOL CWN (QUOTE (*STRING 'F 'I 'L 'E ' 'L 'O 'C 'K 'E 'D ' ' ')))	0033700
(MSG11 SYMBOL CWN (QUOTE (*STRING 'F 'I 'L 'E ' 'L 'O 'C 'K 'E 'D ' ' ')))	0033800
(MSG12 SYMBOL CWN (QUOTE (*STRING 'F 'I 'L 'E ' 'L 'O 'C 'K 'E 'D ' ' ')))	0033900
(MSG13 SYMBOL CWN (QUOTE (*STRING 'F 'I 'L 'E ' 'L 'O 'C 'K 'E 'D ' ' ')))	0034000
(MSG14 SYMBOL CWN (QUOTE (*STRING 'F 'I 'L 'E ' 'L 'O 'C 'K 'E 'D ' ' ')))	0034100
(MSG15 SYMBOL CWN (QUOTE (*STRING 'F 'I 'L 'E ' 'L 'O 'C 'K 'E 'D ' ' ')))	0034200
(SECTION (ID SYS) SYMBOL) (DECLARE (BUFIX (ARRAY OCTAL) FLUID)))	0034300
(D.CALLS (SECTION (ID LISP SYS) SYMBOL)	0034400
(ROUTINE (MODIFY INTEGER)	0034500
(NIL (BLOCK NIL (SET (CORENTRY MDNAME) NAME)	0034600
(SET (CORENTRY MDSize) (TIMES 512 (PLUS 9 MAXSEC)))	0034700
(CODE (LDA (ENTRY MODFY) (RA R)) (BUC (ENTRY DSPCHR)))	0034800
(RETURN (BIT 0 6 (CORENTRY MDSTAT))))	0034900
(DECLARE (TO (ARRAY OCTAL)	0035000
CWN (QUOTE (*OCTAL 22Q 3Q1 23Q 21Q 22Q 22Q))))	0035100
(FUNCTION (RDEC SYMBOL)	0035200
((NM INTEGER))	0035300
(BLOCK NIL (SET (CORENTRY RFNAME) NM)	0035400
(CODE (LDA (ENTRY REFILE) (RA R)) (BUC (ENTRY DSPCHR)))	0035500
(RETURN (LIST (BIT 0 6 (CORENTRY RSTAT))	0035600
(TO (PLUS 1 (BIT 0 6 (CORENTRY RFORM)))) (CORENTRY RWDSIN))))	0035700
(ROUTINE (FDEC INTEGER)	0035800
((NM INTEGER)	0035900
(UT INTEGER)	0036000
(FM INTEGER)	0036100
(SZ INTEGER) (RL INTEGER) (PK INTEGER) (PT INTEGER))	0036200
(BLOCK NIL (SET (BIT 0 6 (CORENTRY DPOST)) PT)	0036300
(SET (BIT 0 6 (CORENTRY DPROTK)) PK)	0036400
(SET (CORENTRY DREEL) RL)	0036500
(SET (CORENTRY DSIZE) SZ)	0036600
(SET (BIT 0 6 (CORENTRY DFORM)) FM)	0036700
(SET (BIT 0 6 (CORENTRY DUNIT)) UT)	0036800
(SET (CORENTRY DNAME) NM)	0036900
(CODE (LDA (ENTRY DCALL) (RA R)) (BUC (ENTRY DSPCHR)))	0037000
(RETURN (BIT 0 6 (CORENTRY DSTAT))))	0037100
(PEN (SECTION (ID LISP SYS) SYMBOL)	0037200
(FUNCTION (ILNLOCK NOVALUE) NIL (POSITION ICURFN KEY.))	0037300
(FUNCTION (OUNLOCK NOVALUE) NIL (POSITION CURFN KEY.))	0037400
(FUNCTION ((CPEN . LISP) SYMBOL)	0037500
((FN SYMBOL) (DL SYMBOL))	0037600
(BLOCK NIL (IF (GET FN FILES.) (RETURN (ERROR MSG1)))	0037700
(BLOCK ((IA (ARRAY INTEGER) (CREATE 18 (QUOTE INTEGER) 0))	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 3)	0038900
(Z OCTAL 22Q)	0039000
(W INTEGER 1) (PROTEC 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) (CADDR H))	0039500
(IF V (BLOCK NIL (SET (IA 4) (CADR V))	0039600
(SET (IA 5) (CADDR V)) (SET (IA 6) (CADDR 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) CFSUPL)	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 (NCT (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 PROTEC (MEMBER (QUOTE WRITE) (CDR PROTEC)))	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

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T31 (IF (GR (IA 7) 51) (SET (IA 7) 51))                                0044200
  (SET Z 23Q)                                                            0044300
  (SET (IA 8) 14)                                                         0044400
  (SET (FA 4) COUTDISC)                                                  0044500
  (SET (FA 5) INDISC)                                                    0044600
T32 (IF (MEMBER (QUOTE OLD) DL) (GO T33))                                0044700
  (SET (IA 15) 7)                                                         0044800
  (SET Y (FDEC (IA 12) 11 Z 4096 0 0 0))                                0044900
  (GO ALL)                                                                0045000
T33 (IF (GR (CAR (SET X (RDEC (IA 12)))) 3)                               0045100
  (BLOCK NIL (IF (GR (GR (CAR X) 4) (GR T 100))                          0045200
    (RETURN (ERROR MSG3))) (SET T (PLUS T 1)) (GO T33)))              0045300
  (IF (NQ Z (CADR X)) (RETURN (ERROR MSG2)))                             0045400
  (SET (IA 15) (IQUOTIENT (PLUS (CADR X) -1) 512)) (GO A1))            0045500
  (EQ X (QUOTE CORE))                                                    0045600
  (RETURN (ERROR MSG6))                                                  0045700
  (EQ X (QUOTE CRT))                                                     0045800
  (RETURN (ERROR MSG6))                                                  0045900
  (RETURN (ERROR (QUOTE (NOT A UNIT)))))                                  0046000
ALL (IF (GR Y 3) (RETURN (ERROR 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) 2Q15)                                                     0046400
  (IF C (BLOCK NIL (SET (FA 3) (SET (FA 1) (CADR C)))                    0046500
    (SET (FA 2) (CADR C))                                                 0046600
    (SET (FA 7) (CADDR C)) (SET (FA 8) (CADDRDR C)))                  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 BUF)           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 (IO LISP SYS) SYMBOL)                                    0047900
  (FUNCTION ((SHUT . LISP) SYMBOL)                                       0048000
    ((A SYMBOL) (B SYMBOL))                                             0048100
    (BLOCK ((X SYMBOL (FILES. . IO)) (Y SYMBOL NIL))                  0048200
      A (IF (NULL X)                                                     0048300
        (RETURN (CONS A (QUOTE (NOT A FILE)))) (EQ A (CAAR X)) (GO B)) 0048400
        (SET X (CDR (SET Y X)))                                          0048500
        (GO A)                                                           0048600
      B (BLOCK ((FL SYMBOL (CAR X)))                                     0048700
        (IF Y (SET (CDR Y) (CDR X)) (SET FILES. (CDR FILES.)))        0048800
        (IF (EQ A (CURFN . IO)) (OUTPUT (TTY . SYS)))                  0048900
        (IF (EQ A (ICURFN . IO)) (INPUT (TTY . 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 OR 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 (CORENTRY INNAME)                                         0050300
            (IF (SET Y (GET (QUOTE NAME) B))                               0050400

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(I2C. (CVRTNM (CDR Y))) (I2C. NM))) 0050500
(SET (CORENTRY INSIZE) (I2C. (TIMES 512 (PLUS (I 15) 1)))) 0050600
C (SET (CCRE (PLUS 2 W)) (I2C. NM)) 0050700
D (CCDE (LDA W) (BUC (ENTRY CSPCHR))) 0050800
(IF (OR (NCT INS) (LQ (CORENTRY INSTAT) 3)) (GO LOG)) 0050900
(SET INS FALSE) 0051000
(GO C) 0051100
LOGG (IF (SET Y (GET (QUOTE LCG) B)) (LOGTTY 9 (CDR Y)))) 0051200
(RETURN (MAPCAR FILES. CAR.))))) 0051300
(IN.CUT (SECTION (IC LISP SYS) SYMBCL) 0051400
(FUNCTION ((CUTPLT . LISP) SYMBOL) 0051500
((FN SYMBCL)) 0051600
(IF (EQA FN CURFN) 0051700
FN (BLOCK ((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 RECCRD (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 SECTOR (IA 14)) 0053800
(LOCSET MAXSEC (IA 15)) 0053900
(LOCSET SIZE (IA 16)) 0054000
(LOCSET CCUNT (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 (BUFLOC Y)) 0054700
(SET X CURFN) (SET CURFN FN) (RETURN X)))))) 0054800
(FUNCTION ((INPUT . LISP) SYMBOL) 0054900
((FN SYMBCL)) 0055000
(IF (EQA FN ICURFN) 0055100
FN (BLOCK ((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 IBUFLOC (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
(LOCSET IRECCRD (IA 7)) 0056600
(LOCSET IWPL (IA 8)) 0056700

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

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D21 (IF (GR N 0) (SET U N) (SET U (QUOTE EOF)))	C063100
(SET ISECTOR (PLUS ISECTOR N))	C063200
(GO D8)	C063300
D3 D4 (PRINCF (OCT2CH 34Q))	C063400
(ENDCUT)	C063500
(IF (NQ SUMLINE 1) (ENDOUTR))	C063600
(OUTPUT DL)	C063700
(RETURN L)	C063800
D6 (IF (GR ISECTOR 1)	C063900
(BLOCK NIL (SET ISECTOR (PLUS ISECTOR -1)) (GO D8)))	C064000
D5 D7 (SET ICOUNT 100)	C064100
(SET ISECTOR 0)	C064200
D8 (SET ISUMLINE 0) (SET ISTATUS 1) (INPUT DL) (RETURN U))))))	C064300
(READF (SECTION (IC LISP SYS) SYMBCL)	C064400
(FUNCTION ((ENDIN . LISP) NOVALUE)	C064500
NIL (BLOCK ((INDEX INTEGER 0))	C064600
(IF (EQ ISUMLINE 0) (BLOCK NIL (ENDINR) (GO E2)))	C064700
(SET ISUMLINE (PLUS ISUMLINE 1))	C064800
(SET ISTATUS 1)	C064900
(IF (GR ISUMLINE IRECORD) (BLOCK NIL (SET ISUMLINE 0) (GO E1)))	C065000
(SET ICURCCL ILMG)	C065100
(IF (GR ISUMLINE 1) (SET INDEX (TIMES (PLUS -1 ISUMLINE) IWPL)))	C065200
(LOCSET ILINELCC (IBUFLOC INDEX))	C065300
E2 (SET ICURLINE (PLUS ICURLINE 1))	C065400
R1 (IF (EQ ICURLINE IBCT) (IBOTC))	C065500
(IF (GR ICURLINE IPAGE) (ENDINP)) E1))	C065600
(FUNCTION ((ENDINR . LISP) NOVALUE)	C065700
NIL (BLOCK NIL (CLEAR ICURFN)	C065800
(SET ISTATUS 2)	C065900
(IMOVE)	C066000
(SET ISUMLINE 1)	C066100
(SET ICURCCL ILMG)	C066200
(LOCSET ILINELCC (IBUFLOC 0))	C066300
(IF (GC ISTATUS 4) (SETCHAR (OCT2CH 34Q) ILINELCC ICURCOL))))	C066400
(FUNCTION ((ENDINP . LISP) NOVALUE)	C066500
NIL (BLOCK ((X INTEGER (PLUS ITCP IPAGE (MINUS ICURLINE)))	C066600
(Y INTEGER 0))	C066700
(FOR Y (STEP 1 1 GR X)	C066800
(BLOCK NIL (ENDIN) (IF (GR ISTATUS 2) (GO T1))))	C066900
T1 (SET ICURLINE ITCP)))	C067000
(FUNCTION ((READWORD . LISP) OCTAL)	C067100
NIL (BLOCK ((X OCTAL))	C067200
(IF (EQ 6 IWPL)	C067300
(ERROR MSG5)	C067400
(EQ ISTATUS 4)	C067500
(IKEY)	C067600
(EQ ISUMLINE 0)	C067700
(ENDINR)	C067800
(GR ISUMLINE ISIZE) (ENDINR) (EQ ISTATUS 4) (RETURN X))	C067900
(SET X (IBUFLOC ISUMLINE))	C068000
(SET ISUMLINE (PLUS 1 ISUMLINE)) (RETURN X)))	C068100
(FUNCTION ((READCH . LISP) SYMBOL)	C068200
NIL (BLOCK ((SW INTEGER 1) (X SYMBOL (OCT2CH 0Q)))	C068300
(IF XXSAVE (BLOCK NIL (SET X XXSAVE) (SET XXSAVE NIL) (GO BB))	C068400
(EQ ISTATUS 4)	C068500
(IF (EQ 0 ISUMLINE)	C068600
(BLOCK NIL (IKEY) (ENDINR))	C068700
(BLOCK NIL (SET ISUMLINE 0) (SET X (OCT2CH 34Q)) (GO BB))))	C068800
(IF (EQ ISUMLINE 0) (ENDINR))	C068900
(IF (EQ ICURCOL IRMG)	C069000
(BLOCK NIL (SET ISTATUS 0)	C069100
(IRMG0) (IF (GR ISTATUS 0) (SET SW 2))))	C069200
(IF (GR ICURCOL IMAXCOL) (BLOCK NIL (SET SW 2) (ENDIN)))	C069300

(CASE SW (GC AA) (GC BB))	C069400
AA (SET X ((GETCHAR . IO) ILINECC ICURCOL))	C069500
(SET ICURCOL (PLUS ICURCOL 1)) BB (RETURN X))	C069600
(SECTION (IO LISP SYS) SYMBOL)	C069700
(FUNCTION ((GETID . LISP) SYMBOL) ((A SYMBOL)))	C069800
(FUNCTION ((MAKEID . LISP) SYMBOL) ((A (ARRAY OCTAL))))	C069900
(FUNCTION ((MAKID . FSM) SYMBOL) NIL)	C070000
(FUNCTION ((MAKIDB . FSM) SYMBOL) NIL)	C070100
(FUNCTION ((MGENID . FSM) SYMBOL) NIL)	C070200
(FUNCTION ((SYM2OCT . LISP) OCTAL) ((A SYMBOL)))	C070300
(FUNCTION (RCNV OCTAL)	C070400
((A SYMBOL)) (BLOCK ((B REAL A)) (RETURN (R2O . B))))	C070500
(FUNCTION (ICNV OCTAL)	C070600
((A SYMBOL)) (BLOCK ((B INTEGER A)) (RETURN (I2O . B))))	C070700
(FUNCTION (RDFUNC SYMBOL) NIL)	C070800
(FUNCTION (SYMARY SYMBOL) NIL)	C070900
(FUNCTION (BCLARY SYMBOL) NIL)	C071000
(FUNCTION (FNCARY SYMBOL) NIL)	C071100
(FUNCTION (NUMULT SYMBOL)	C071200
((TYPE SYMBOL) (CNV (FUNCTIONAL OCTAL SYMBOL)))	C071300
(ERROR (QUOTE (MULTI-DIMENSIONAL ARRAYS ILLEGAL))))	C071400
(DECLARE (READL BOOLEAN FLUID NIL) (READA BOOLEAN FLUID NIL))	C071500
(FUNCTION (RCWREAD SYMBOL)	C071600
((TYPE SYMBOL) (CNV (FUNCTIONAL OCTAL SYMBOL)) (L SYMBOL))	C071700
(BLOCK ((S SYMBOL))	C071800
A (SET S (READ))	C071900
(IF READL (BLOCK NIL (SET L (CCNS (CNV S) L)) (GO A))	C072000
(NQ S 3) (RETURN (ERROR (QUOTE (ILLEGAL ARRAY SYNTAX))))	C072100
(BLOCK ((I INTEGER (LENGTH L)))	C072200
(BLOCK ((AR (ARRAY OCTAL) (CREATE I TYPE 0)))	C072300
(FOR I (STEP I -1 LS I)	C072400
(BLOCK NIL (SET (AR I) (CAR L)) (SET L (CDR L))))	C072500
(RETURN AR))))	C072600
(FUNCTION ((ARREAD . LISP) SYMBOL)	C072700
NIL (BLOCK ((TYPE SYMBOL (READ)))	C072800
(IF (EQ TYPE (QUOTE FUNCTION))	C072900
(RETURN (RDFUNC))	C073000
(EQ TYPE (QUOTE SYMBOL))	C073100
(RETURN (SYMARY))	C073200
(EQ TYPE (QUOTE BOOLEAN))	C073300
(RETURN (BCLARY))	C073400
(EQ TYPE (QUOTE FUNCTIONAL)) (RETURN (FNCARY)))	C073500
(BLOCK ((CNV (FUNCTIONAL OCTAL SYMBOL)))	C073600
(IF (EQ TYPE (QUOTE REAL))	C073700
(SET CNV RCNV)	C073800
(EQ TYPE (QUOTE INTEGER))	C073900
(SET CNV ICNV)	C074000
(EQ TYPE (QUOTE OCTAL))	C074100
(SET CNV SYM2OCT)	C074200
(RETURN (ERROR (CCNS TYPE (QUOTE (ILLEGAL ARRAY TYPE))))))	C074300
(BLOCK ((READL BOOLEAN FLUID TRUE)	C074400
(READA BOOLEAN FLUID TRUE) (L SYMBOL))	C074500
(SET L (READ))	C074600
(IF READA (SET READA NIL) (RETURN (NUMULT TYPE CNV)))	C074700
(RETURN (IF READL (RCWREAD TYPE CNV (LIST (CNV L)))	C074800
(EQ L 3)	C074900
(CREATE 0 TYPE 0)	C075000
(ERROR (QUOTE (ILLEGAL ARRAY SYNTAX))))))	C075100
(FUNCTION ((RCLIST . LISP) SYMBOL)	C075200
NIL (BLOCK ((S SYMBOL (LIST NIL))	C075300
(R SYMBOL) (READL BOOLEAN FLUID TRUE) (P SYMBOL))	C075400
(SET P S)	C075500
A (SET R (READ))	C075600

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

(Y INTEGER 0))	0082000
(FOR Y (STEP 1 1 GR X) (ENDOUT)) T1 (SET CURLINE TOP)))	0082100
(FUNCTION ((PRINSTRING . LISP) SYMBOL)	0082200
((SS SYMBOL))	0082300
(BLOCK ((X INTEGER (STRINGL SS))	0082400
(Y INTEGER) (Z INTEGER 1) (SA (ARRAY OCTAL) SS))	0082500
(BLOCK ((LNG INTEGER FLUID LOC Z))	0082600
(IF (NULL (PRMODE . SYS))	0082700
(BLOCK NIL (FOR Y (STEP 1 1 GR X)	0082800
(PRINCH ((GETCHAR . LISP) SA Y))) (GO XT)))	0082900
(PRINCH (CCT2CH 43Q))	0083000
(FOR Y (STEP 1 1 GR X)	0083100
(BLOCK ((Z SYMBOL ((GETCHAR . LISP) SA Y)))	0083200
(IF (OR (EQ Z (QUOTE ''))	0083300
(EQ Z (CCT2CH 43Q)) (EQ Z (CCT2CH 3Q)))	0083400
(PRINCH (QUOTE ''))	0083500
(NCT (NORMSP Z))	0083600
(BLOCK ((CF SYMBOL (NUMSTR (CH2OCT Z))))	0083700
(PRINCH XXCHAR)	0083800
(PRINCH (QUOTE C))	0083900
(BLOCK ((PRMODE BOOLEAN FLUID FALSE)) (PRINSTRING CF))	0084000
(PRINCH XXDLIM) (GO XTFOR)))	0084100
(PRINCH Z)	0084200
(IF (EQ Z (XXCHAR . SYS)) (PRINCH (QUOTE I))) XTFOR))	0084300
T1 (PRINCH (CCT2CH 43Q)) XT (RETURN SS)))	0084400
(FUNCTION ((PRINID . LISP) SYMBOL)	0084500
((TT SYMBOL))	0084600
(BLOCK NIL (IF (NOT (IDP TT))	0084700
(RETURN NIL)	0084800
(AND (GNMDE . SYS) (GENIDP TT))	0084900
(BLOCK NIL (PRINCH (XXCHAR . SYS)) (PRINCH (QUOTE G)))	0085000
(IF (NCRMSP TT)	0085100
(BLOCK ((PRMODE . SYS) BOOLEAN FLUID FALSE))	0085200
(PRINSTRING (TOSTRG TT)) (GO XT))	0085300
(PRMODE . SYS) (PRINCH (XXCHAR . SYS)))	0085400
T2 (PRINSTRING (TOSTRG TT)) XT (RETURN TT)))	0085500
(ROUTINE (IDNAME SYMBOL)	0085600
((A SYMBOL))	0085700
(BLOCK NIL X (IF (IDP (SET A (O2S. (BIT 0 18 (CORE (PLUS 1 (S2O. A)	0085800
)))))) (RETURN A) (GO X))))	0085900
(FUNCTION ((FVLIST . SYS) SYMBOL) ((S SYMBOL)))	0086000
(FUNCTION ((PRINATOM . LISP) SYMBOL)	0086100
(TT)	0086200
(BLOCK ((X SYMBOL))	0086300
(IF (IDP TT)	0086400
(BLOCK NIL (PRINID TT) (GO B))	0086500
(ARRAYP TT)	0086600
(BLOCK NIL (PRINARRAY TT) (GO B))	0086700
(STRINGP TT)	0086800
(SET X TT) (NLMBP TT) (SET X (NUMSTR TT)) (GO C))	0086900
A (PRINSTRING X)	0087000
B (RETURN TT)	0087100
C (IF (FORMALP TT)	0087200
(PRINSTRING (QUOTE (*STRING FORMAL ')))	0087300
(OR (CWNP TT) (FLUIDP TT))	0087400
(GO D) (BCCLP TT) (BLOCK NIL (SET X (TOSTRG TT)) (GO A)))	0087500
ERR (SET X (SCCNCS (TOSTRG (QUOTE LA)) (NUMSTR (S2O. TT))))	0087600
(GO A)	0087700
D (SET X (CCNS (IDNAME TT) (O2S. (BIT 24 18 (CORE (S2O. TT))))))	0087800
(PRIN (CCNS X (FVLIST TT))) (GO B)))	0087900
(FUNCTION C2B2S ((X OCTAL)) (NQ X 0))	0088000
(FUNCTION C2F2S ((X OCTAL)) (O2F. X))	0088100
(FUNCTION C2R2S ((X OCTAL)) (O2R. X))	0088200


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(FUNCTION OCT2S ((X OCTAL)) (O2I. X))                                0088300
(FUNCTION ARTYPE ((S SYMBOL))                                         0088400
(CASE (PLUS 1 (BIT 42 3 (CORE (S20. S))))                             0088500
(QUOTE SYMBOL)                                                         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 OCTAL)))                                                  0090000
(IF (NOT (ARRAYP X))                                                  0090100
X (BLOCK ((N INTEGER (ARSIZE (S20. X)))                               0090200
(TYPE SYMBOL (ARTYPE X)))                                           0090300
(PRINCH (QUOTE ' ))                                                  0090400
(PRINC 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
O2B2S (EQ TYPE (QUOTE FUNCTIONAL))                                   0091100
O2F2S (EQ TYPE (QUOTE REAL))                                       0091200
O2R2S (EQ TYPE (QUOTE INTEGER))                                       0091300
O2I2S (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
(ERROR MSG5)                                                         0092100
(EQ STATUS 4)                                                         0092200
(KEY)                                                                  0092300
(GR SUMLINE RECORD) (ENDOUTR) (EQ SUMLINE 0) (SET SUMLINE 1))     0092400
(SET (BUFLCC SUMLINE) X)                                             0092500
(SET SUMLINE (PLUS 1 SUMLINE)) (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))                                                         0093000
(BLOCK ((J SYMBOL))                                                  0093100
(IF (ATOM X) (GO P4))                                                0093200
(SET J X)                                                             0093300
(PRINCH (QUOTE ' ()))                                               0093400
P1 (PRINO (CAR J))                                                   0093500
(IF (NULL (CDR J)) (GO P3))                                         0093600
(PRINCH (QUOTE ' ))                                                  0093700
(IF (ATOM (CDR J)) (GO P2))                                         0093800
(SET J (CDR J))                                                      0093900
(GO P1)                                                               0094000
P2 (PRINCH (QUOTE '.))                                              0094100
(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) (ENDOUT) (RETURN X)))         0094500

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(FUNCTION ((SYMPRIN . LISP) SYMBOL)	0094600
((X SYMBOL))	0094700
(BLOCK (((PRMCDE . SYS) BOOLEAN FLUID TRUE)) (RETURN (PRINO X))))	0094800
(FUNCTION ((PRIN . LISP) SYMBOL)	0094900
((X SYMBOL))	0095000
(BLOCK (((PRMCDE . SYS) BOOLEAN FLUID FALSE))	0095100
(RETURN (PRINO X))))	0095200
(FUNCTION ((PRINCH . LISP) SYMBOL)	0095300
((X SYMBOL))	0095400
(BLOCK ((SW INTEGER 1))	0095500
(IF (EQ STATUS 4) (KEY))	0095600
(IF (EQ SUMLINE 0)	0095700
(BLOCK NIL (SET SUMLINE 1)	0095800
(SET CURCOL LMG) (LOCSET LINELOC (BUFLOC 0))))	0095900
(IF (EQ X (CCT2CH 0Q)) (BLOCK NIL (SET SW 2) (ENDOUT)))	0096000
(IF (EQ CURCCL RMG) (RMGO))	0096100
(IF (GR CURCCL MAXCCL) (ENDOUT))	0096200
(CASE SW (GO AA) (GO BB))	0096300
AA (SETCHAR X LINELOC CURCCL)	0096400
(SET CURCOL (PLUS CURCCL 1)) BB (RETURN X))))	0096500
(MOVEO (SECTION (IC LISP SYS) SYMBOL)	0096600
(ROUTINE (MOVEO INTEGER)	0096700
((S INTEGER) (B OCTAL LOC))	0096800
(BLOCK NIL (CODE (AGR 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 (BLOCK NIL (SETCHAR (CCT2CH 3) LINELOC CURCOL)	0097700
(T8X12) (MOVEO 19 FIXLOC) XT))	0097800
(FUNCTION (OUTAPE NOVALUE)	0097900
NIL (BLOCK ((Y INTEGER 0) (J INTEGER 2) (I INTEGER 1))	0098000
(SETBUF FIXLOC 606060606060606Q1)	0098100
(SETCHAR (CCT2CH 36Q) LINELOC CURCCL)	0098200
TO (LOCSET LINELOC (BUFLOC Y))	0098300
T1 (IF (T8X6 77Q LINELOC FIXLOC J I) (GO T2))	0098400
(SET J (PLLS J 1))	0098500
(SET I (PLUS I 1))	0098600
(IF (LQ I MAXCCL) (GO T1))	0098700
(SET I 0)	0098800
(T8X6 77Q LINELOC FIXLOC J I)	0098900
(SET J (PLLS J 2))	0099000
(SET I 1)	0099100
(SET Y (PLLS Y WPL))	0099200
(GO TO)	0099300
T2 (IF (LQ (MOVEO (TIMES RECORD (PLUS 1 (IQUOTIENT (PLUS MAXCOL	0099400
-1) 8))) FIXLOC) 3) (GO XT)) (SET STATUS 5) XT))	0099500
(FUNCTION (OUTDISC NOVALUE)	0099600
NIL (BLOCK ((Y INTEGER 0) (J INTEGER 1) (I INTEGER 1))	0099700
(IF (LQ SECTOR MAXSEC) (GO T1))	0099800
(IF (LQ (MODIFY) 3) (GO TO))	0099900
(SET STATUS 4)	C100000
(GO XT)	C100100
TO (SET MAXSEC (PLUS MAXSEC 8))	C100200
T1 (SETBUF FIXLOC 606060606060606Q1)	0100300
(SETCHAR (CCT2CH 36Q) LINELOC 80)	C100400
T2 (LOCSET LINELOC (BUFLOC Y))	C100500
T3 (IF (T8X6 76Q LINELOC FIXLOC J I) (GO T4))	0100600
(SET J (PLLS J 1))	0100700
(SET I (PLUS I 1))	0100800

(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 (LQ (MOVEC 512 FIXLOC) 3) (GO T5))	C101800
(SET STATUS 5) (GO XT) T5 (SET SECTOR (PLUS SECTOR 1)) XT))	C101900
(FUNCTION (OUTPAS NOVALUE)	C102000
NIL (BLOCK ((X INTEGER))	C102100
(LOCSET LINELOC (BUFLOC 0))	C102200
(SET X (MOVEC (TIMES RECORD WPL) LINELOC))	C102300
(IF (LQ X 3) (GO XT)) (SET STATUS 5) XT))	C102400
(FUNCTION (OUTDCAS NOVALUE)	C102500
NIL (BLOCK ((X INTEGER)	C102600
(Y INTEGER) (Z INTEGER (TIMES RECCRD WPL)))	C102700
(SET Y (IQUOTIENT (PLUS Z -1) 512))	C102800
(IF (LQ (PLUS SECTOR Y) MAXSEC) (GO T1))	C102900
(SET X (MODIFY))	C103000
(IF (LQ X 3) (GO T0))	C103100
(SET STATUS 4)	C103200
(GO XT)	C103300
T0 (SET MAXSEC (PLUS MAXSEC 8))	C103400
T1 (LOCSET LINELOC (BUFLOC 0))	C103500
(SET X (MOVEC Z LINELOC))	C103600
(IF (LQ X 3) (GO T2))	C103700
(SET STATUS 5) (GO XT) T2 (SET SECTOR (PLUS SECTOR Y 1)) XT))	C103800
(FUNCTION (T8X6 BOOLEAN)	C103900
((EOR OCTAL)	C104000
(SOURCE OCTAL LOC) (SINK OCTAL LOC) (J INTEGER) (I INTEGER))	C104100
(BLOCK ((X OCTAL))	C104200
(IF (EQ I 0) (BLOCK NIL (SET X 32Q14) (GO AB)))	C104300
(SET X (CH2OCT ((GETCHAR . IO) SOURCE I)))	C104400
(CODE (BXE (LABEL TEOC) A 36Q) (BXE (LABEL TEOF) A 34Q))	C104500
(SET X (CNVRTB (PLUS X 1)))	C104600
AB (CODE (LDL X L7.0)	C104700
T1 (BUC (LABEL T2)) 3)	C104800
(STZ A.)	C104900
(RETURN)	C105000
T2 (LDA J)	C105100
(STZ B.)	C105200
(SOR A.)	C105300
(LDM A.)	C105400
(SFC 3 R)	C105500
(ADD SINK RA)	C105600
(AOR A. (RA S))	C105700
(LDX A. 0 2)	C105800
(STZ A.)	C105900
(SFC -3 R)	C106000
(XEC (LABEL T3) A)	C106100
(BUC C 3)	C106200
T3 (STL 0 (S7.0 2))	C106300
(STL 0 (S7.1 2))	C106400
(STL 0 (S7.2 2))	C106500
(STL 0 (S7.3 2))	C106600
(STL 0 (S7.4 2))	C106700
(STL 0 (S7.5 2))	C106800
(STL 0 (S7.6 2))	C106900
(STL 0 (S7.7 2))	C107000
TEOF (LDL 77Q (L567.7 R))	C107100

(LDA 80 (L567.7 R))	C107200
(BSX ((LABEL T2) 1) 3 ((LABEL TEOR) 2))	C107300
TEOR (LDL ECR RA)	C107400
(BUC (LABEL T2)) 3) (LDA 1 (RA R)) (RETURN))))	C107500
(ROUTINE (T8X12 NOVALUE)	C107600
NIL (BLCK ((C INTEGER)	C107700
(Y INTEGER 0) (I INTEGER 1) (J INTEGER 1))	C107800
ST (LOCSET LINELOC (BUFLOC Y))	C107900
ST1 (IF (EQ 3 (SET C (PLUS (MINUS CHD)	C108000
(S20. ((GETCHAR . ID) LINELOC I)))) (GO TEOM))	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
(AGR 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 0 (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) (AGR A. (RA S)) (BUC (LABEL T2) 3))))	C110600
(MOVEI (ROUTINE (MOVEI INTEGER)	C110700
((S INTEGER) (B OCTAL LOC))	C110800
(BLOCK NIL (CODE (AGR A.) (STF (ENTRY MLOC)))	C110900
(SET (CORENTRY MSIZE) S)	C111000
(SET (CORENTRY MNAME) INAME)	C111100
(SET (CORENTRY MINCLT) (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 IRECORD (PLUS 1 (QUOTIENT (PLUS	C111900
IMAXCCL -1) 4))))	C112000
(CODE (LDA (ENTRY BELL) (R L567.7))	C112100
(BUC (ENTRY DSPCHR)) (STX (DDSW . ID) 0 8))	C112200
(MOVEI X FIXLCC) (SET DDSW 0) (SET TTYMAX (T12X8))))	C112300
(FUNCTION (INTAPE NOVALUE)	C112400
NIL (BLCK ((X INTEGER (TIMES IRECORD (PLUS 1 (QUOTIENT (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 (MOVEI 512 FIXLOC))	C113400

(SET ISECTOR (PLUS ISECTOR 1))	C113500
(IF (LQ X 3) (GO T2))	C113600
(SET ISTATUS 5)	C113700
(GO XT) T2 (IF (T75) (GO T0)) (T6X8 80 TRANDC) XT))	C113800
(FUNCTION (INTPAS NOVALUE)	C113900
NIL (BLOCK ((X INTEGER))	C114000
(LOCSET ILINELOC (IBUFLOC 0))	C114100
(SET X (PLUS -1 (MOVEI (TIMES IRECORD IWPL) ILINELOC)))	C114200
(IF (LQ X 2) (GO XT)) (SET ISTATUS X) XT))	C114300
(FUNCTION (INDCAS NOVALUE)	C114400
NIL (BLOCK ((X INTEGER)	C114500
(Y INTEGER) (Z INTEGER (TIMES IRECORD IWPL)))	C114600
(SET Y (PLUS 1 (IQUCTIENT (PLUS Z -1) 512)))	C114700
(IF (LQ (PLUS ISECTOR Y) IMAXSEC) (GO T0))	C114800
(SET ISTATUS 4)	C114900
(GO XT)	C115000
TO (LOCSET ILINELOC (IBUFLOC 0))	C115100
(SET X (MOVEI Z ILINELOC))	C115200
(IF (LQ X 3) (GO T1))	C115300
(SET ISTATUS 5) (GO XT) T1 (SET ISECTOR (PLUS ISECTOR Y 1)) XT))	C115400
(ROUTINE (T12X8 INTEGER)	C115500
NIL (BLOCK ((Y INTEGER 1)	C115600
(B6 INTEGER)	C115700
(I INTEGER 48)	C115800
(OCT OCTAL)	C115900
(L INTEGER)	C116000
(CH OCTAL 0)	C116100
(S INTEGER 1)	C116200
(SC (ARRAY OCTAL) (C2S. (ENTRY FIXBUF))) (J INTEGER))	C116300
ST (SET L Y)	C116400
(SET B6 48)	C116500
(SET OCT 0)	C116600
(SET J 1)	C116700
ST1 (IF (LS (SET I (PLUS I -12)) 0)	C116800
(BLOCK NIL (SET I 36) (SET S (PLUS S 1))))	C116900
(SET CH (WORDAND 1770 (BIT I 12 (SC S))))	C117000
(IF (EQ CH 30)	C117100
(IF (EQ Y 1) (GO B) (GO B0))	C117200
(LS (SET B6 (PLUS B6 -8)) 0)	C117300
(BLOCK NIL (SET (IBUFLOC L) OCT)	C117400
(SET L (PLUS L 1)) (SET B6 40) (SET OCT 0)))	C117500
(BITSET B6 8 OCT (BIT 0 12 (CNVRTB (PLUS CH 1))))	C117600
TO (SET J (PLUS J 1))	C117700
(IF (LQ J IMAXCCL) (GO ST1))	C117800
(SET Y (PLUS Y IWPL))	C117900
(SET (IBUFLOC L) OCT)	C118000
(GO ST)	C118100
B0 (SET J 3015) B (SET (IBUFLOC L) OCT) (RETURN (PLUS J 1)))	C118200
(FUNCTION (T6X8 NOVALUE)	C118300
((COL INTEGER) (WHAT (FUNCTIONAL INTEGER OCTAL INTEGER)))	C118400
(BLOCK ((Y INTEGER 1)	C118500
(B6 INTEGER)	C118600
(I INTEGER 48)	C118700
(OCT OCTAL)	C118800
(L INTEGER)	C118900
(CH OCTAL 0)	C119000
(S INTEGER 1)	C119100
(SC (ARRAY OCTAL) (C2S. (ENTRY FIXBUF))) (J INTEGER))	C119200
ST (SET L Y)	C119300
(SET B6 48)	C119400
(SET OCT 0)	C119500
(SET J 1)	C119600
ST1 (IF (LS (SET I (PLUS I -6)) 0)	C119700

(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)	0120000
(BLOCK NIL (SET (IBUFLOC L) OCT)	C120100
(SET L (PLUS L 1)) (SET B6 40) (SET OCT 0)))	C120200
(BITSET B6 8 OCT (BIT 12 12 (CNVRTB (PLUS CH 1))))	0120300
TO (SET J (PLUS J 1))	C120400
(IF (LG J CCL) (GO ST1))	C120500
(SET Y (PLUS Y IWPL))	C120600
(SET (IBUFLOC L) OCT)	C120700
(GO ST)	C120800
B (SET (IBUFLOC L) OCT) (SET (IBUFLOC (PLUS Y IWPL)) 74Q13)))	C120900
(RCUTINE (T75 BOCLEAN)	C121000
NIL (EQ 75Q (BIT 0 6 (CORE (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 (10 LISP SYS) SYMBOL)	C121600
(RCUTINE ((CLEAR . LISP) NOVALUE)	0121700
((FN SYMBOL))	C121800
(BLOCK ((DL SYMBOL (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))	0122200
(FUNCTION (SEQNO NOVALUE)	C122300
NIL (BLOCK ((C INTEGER COUNT)	C122400
(L INTEGER 10) (N INTEGER) (S INTEGER (PLUS -1 SUMLINE)))	0122500
(FOR N (STEP 1 1 GR S)	0122600
(BLOCK ((Z INTEGER (CVRTNM C)))	C122700
(IF (LS C 1000)	C122800
(SET Z (BIT 30 18 Z))	0122900
(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)) CCUNT)	C123300
(SET (BIT C 24 (BUFIX 511)) (PLUS C -100))	0123400
(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 SYMBOL) (X SYMBOL))	0123800
(BLOCK ((Y SYMBOL))	C123900
G1 (IF (NULL X) (RETURN NIL))	0124000
(SET Y (CAR X))	C124100
(IF (ATOM Y) (GO G2) (EQN (CAR Y) AA) (RETURN Y))	0124200
G2 (SET X (CDR X)) (GO G1)))	C124300
(FUNCTION (CVRTNM INTEGER)	C124400
((FN SYMBOL))	C124500
(BLOCK ((ST (ARRAY OCTAL) (TOSTRG FN)))	C124600
(RETURN (CVRTN1 (ST) 1)))	0124700
(FUNCTION (CHSUPPL SYMBOL)	C124800
NIL (BLOCK ((X SYMBOL))	C124900
A (IF (NQ (S20. (SET X (READCH))) (CHO . SYS))	C125000
(RETURN X)	C125100
(RETURN (CCT2CH (CASE ISTATUS 37Q 36Q 34Q 31Q OQ))))))	C125200
(FUNCTION (TTYSPPL SYMBOL)	C125300
NIL (BLOCK ((X SYMBOL))	C125400
A (IF (NQ (S20. (SET X (READCH))) (CHO . SYS))	C125500
(RETURN X)	C125600
(GQ ICURCCL TTYMAX)	C125700
(BLOCK NIL (ENDIN) (GO A))	C125800
(RETURN (CCT2CH (CASE ISTATUS 37Q 36Q 34Q 31Q OQ))))))	0125900
(RCUTINE ((GETCHAR . LISP) SYMBOL)	C126000

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

(ROUTINE (INCMCV NOVALUE)	0132400
((INC INTEGER))	0132500
(SET (BIT 0 6 (CORENTRY MCALL))	0132600
(PLUS INC (BIT 0 6 (CORENTRY MCALL))))	0132700
(FUNCTION (LCGTTY NOVALUE)	0132800
((C INTEGER) (M SYMBCL))	0132900
(BLOCK ((CUTF SYMBOL (OUTPUT (QUOTE OTTY))))	0133000
(INCMCV 1)	0133100
(SET (BIT 0 6 (CORENTRY MPOST)) C)	0133200
(PRINT M) (INCMCV -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 (CORE (PLUS 1 (S20. A))))	0134100
(Y OCTAL (CORE (PLUS -1 (S20. A))))	0134200
(IF (EQ 0 X) (RETURN (O2S. (BIT 0 18 Y))))	0134300
(SET (CORE (PLUS 1 (S20. SHORWD))) Y)	0134400
(SET (BIT 18 6 (CORE (S20. SHORWD))) X) (RETURN SHORWD))	0134500
(NUMBP A) (NUMSTR A) ((TOSTRG . LISP) A))	0134600
(FUNCTION (TRANDC INTEGER)	0134700
((CH OCTAL) (J INTEGER))	0134800
(IF (NQ J 80)	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 (TRANFP INTEGER)	0135300
((CH OCTAL) (J INTEGER)) (IF (EQ CH 32Q) 1 (EQ CH 77Q) 2 3)))	0135400
RETTY (SECTION (ID LISP SYS) SYMBCL)	0135500
(FUNCTION ((FITATCM . LISP) SYMBCL)	0135600
((T SYMBCL))	0135700
(BLOCK ((L INTEGER))	0135800
(IF (OR (ARRAYP T) (FLUIDP T) (CWNP T) (FORMALP T)) (GO EO))	0135900
(SET L (STRINGL (TOSTRG T)))	0136000
(IF (LQ (PLUS CURCOL L 2) (IF (GR RMG MAXCOL) MAXCOL RMG))	0136100
(GO RET)) EO (ENDOUT) RET (RETURN (PRINATCM T))))	0136200
(FUNCTION (B1 SYMBCL)	0136300
((S SYMBCL))	0136400
(BLOCK NIL (IF (GR CURCOL LMG) (ENDOUT))	0136500
(PRINCH (QUOTE '))	0136600
(FITATOM (CAR S))	0136700
(PRINCH (QUOTE '))	0136800
(BLOCK ((Z INTEGER (DIFFERENCE CURCOL LMG))	0136900
(LM INTEGER CURCOL) (E SYMBCL))	0137000
(BLOCK ((LMG INTEGER FLUID LCC LM))	0137100
(FOR E (IN (CDR S))	0137200
(BLOCK NIL (IF (IDP E)	0137300
(BLOCK NIL (ENDOUT)	0137400
(SET CURCOL (PLUS LMG (MINUS Z)))	0137500
(FITATOM E) (PRINCH (QUOTE ')))	0137600
(BLOCK NIL (IF (GR CURCOL LMG) (ENDOUT) (SET CURCOL LMG))	0137700
(F1 E)))))) (PRINCH (QUOTE '))) (RETURN S)))	0137800
(DECLARE (L1 SYMBCL FLUID (QUOTE (IF FOR AND OR FUNCTION ROUTINE	0137900
SECTION MACRO)))	0138000
(L2 SYMBOL FLUID (QUOTE (BLOCK DECLARE CODE)))	0138100
(INDENT INTEGER OWN 4))	0138200
(FUNCTION (F1 SYMBCL)	0138300
((S SYMBCL))	0138400
(BLOCK ((Z INTEGER (IF (GR LMG INDENT) 7 (PLUS LMG 1))))	0138500
(BLOCK ((LMG INTEGER FLUID LOC 2))	0138600

(IF (ATOM S)	C138700
(RETURN (FITATOM S))	0138800
(ATOM (CDR S))	0138900
(GO T1)	0139000
(MEMBER (CAR S) L2)	0139100
(RETURN (B1 S))	0139200
(AND (MEMBER (CAR S) L1) (GR CURCOL LMG))	0139300
(ENDOUT) (EQ (CAR S) (QUOTE LAP)) (GO T2))	0139400
T1 (BLOCK ((J SYMBCL S)	0139500
(L INTEGER (IF (AND (ATOM (CAR S))	0139600
(NOT (CR (ARRAYP (CAR S))	0139700
(OWNP (CAR S)) (FLUIDP (CAR S)) (FORMALP (CAR S))))	0139800
(STRINGL (TOSTRG (CAR S))) 8)))	0139900
(IF (GR (PLUS CURCOL L 2) (IF (GR RMG MAXCOL) MAXCOL RMG))	0140000
(ENDOUT))	0140100
(PRINCH (QUOTE ' ()))	0140200
T11 (F1 (CAR J))	0140300
(IF (NULL (CDR J)) (GO T13))	0140400
(PRINCH (QUOTE '))	0140500
(IF (ATOM (CDR J)) (GO T12))	0140600
(SET J (CDR J))	0140700
(GO T11)	0140800
T12 (PRINCH (QUOTE ' .))	0140900
(PRINCH (QUOTE ')) (FITATOM (CDR J)) T13 (PRINCH (QUOTE ')))	0141000
(RETURN S))	0141100
T2 (IF (GR CURCOL LMG) (ENDOUT))	0141200
(PRINCH (QUOTE ' ()))	0141300
(FITATOM (CAR S))	0141400
(PRINCH (QUOTE '))	0141500
(BLOCK ((LM INTEGER CURCOL))	0141600
(BLOCK ((LMG INTEGER FLUID LOC LM))	0141700
(B1 (CADR S))	0141800
(ENDOUT) (F1 (CADDR S)) (ENDOUT) (F1 (CADDDR S))))	0141900
(PRINCH (QUOTE '))) (RETURN S))))	0142000
(FUNCTION ((PRETTYP . LISP) SYMBCL)	0142100
((S SYMBCL))	0142200
(BLOCK ((ZZ INTEGER 1))	0142300
(BLOCK ((LMG INTEGER FLUID LOC ZZ))	0142400
(IF (ATOM S) (FITATOM S) (F1 S)) (ENDOUT) (RETURN S))))))	0142500
****END OF FILE DETECTED	

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(FSMDEC (SECTION IC SYMBCL)                                C000100
 (DECLARE (XXFUNC (FUNCTIONAL SYMBCL) FLUID LOC)          C000200
 (XXSAVE SYMBCL FLUID LOC))                               C000300
 (SECTION SYS SYMBCL)                                     C000400
 (DECLARE (CHC OCTAL OWN) (XXCHAR SYMBOL OWN))           C000500
 (SECTION (FSM SYS) SYMBCL)                              C000600
 (DECLARE (FSCHAR SYMBCL OWN)                            C000700
 (FSMSYM SYMBCL OWN)                                     C000800
 (FSMOCT OCTAL OWN)                                     C000900
 (FSMREL REAL OWN)                                      C001000
 (FSNUL ECCLEAN OWN FALSE)                              C001100
 (CHARRAY (ARRAY OCTAL)                                C001200
 CWN (QUOTE (*OCTAL 5065064000007Q 50650710000007Q 5065071000007Q
 3065073312004Q 5065071000007Q 5065071000007Q 5065071000007Q C001300
 5065071000007Q 5065071000007Q 5065071000007Q 5065071000007Q C001400
 5065071000007Q 5065071000007Q 3065073312004Q 5065071000007Q C001500
 5065071000007Q 5065071000007Q 5065071000007Q 5065071000007Q C001600
 5065071000007Q 5065071000007Q 5065071000007Q 5065071000007Q C001700
 5065071000007Q 5065071000007Q 5065071020004Q 5065071000007Q C001800
 5065071000007Q 5065071020004Q 5065071000007Q 3065073312004Q C001900
 3065073312004Q 206507210001Q1 5065071000007Q 5065071000007Q C002000
 5065072400006Q 5065072117004Q 5065071000005Q 5065071000007Q C002100
 5065072217004Q 5065072107004Q 5065072122004Q 5065072100011Q C002200
 5075072100012Q 5065072117004Q 5075072100012Q 5054132100013Q C002300
 5065072100011Q 5012112100102Q 5012112100102Q 5012112100102Q C002400
 5012112100102Q 5012112100102Q 5012112100102Q 5012112100102Q C002500
 5012112100102Q 5023122100103Q 5023122100103Q 5065072100011Q C002600
 3065073117004Q 5065072100011Q 5065072100011Q 5065072100011Q C002700
 5065071000007Q 5065071000007Q 5105072100101Q 5105072100101Q C002800
 4105072100101Q 5105072100101Q 5035052100101Q 5105072100101Q C002900
 5105072100101Q 5105072100101Q 1105072100101Q 5105072100101Q C003000
 5105072100101Q 5105072100101Q 5105072100101Q 5105072100101Q C003100
 5105072100101Q 5105072100101Q 5041042100101Q 5105072100101Q C003200
 5105072100101Q 5105072100101Q 5105072100101Q 5105072100101Q C003300
 5105072100101Q 5105072100101Q 5105072100101Q 5105072100101Q C003400
 5065072110004Q 5065072100011Q 5065072123004Q 5065072100011Q C003500
 5065072100011Q 5065071000007Q 5065071000007Q 5065071000007Q C003600
 5065071000007Q 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
MACRO1 (((STRSP (LAMBDA (A) (QUOTE 2))) C004600
 (UNSOCT (LAMBDA (A) (QUOTE 3))) C004700
 (UNSINT (LAMBDA (A) (QUOTE 4))) C004800
 (UNSREL (LAMBDA (A) (QUOTE 5))) C004900
 (STRNM (LAMBDA (A) (QUOTE 11))) C005000
 (LITRL (LAMBDA (A) (QUOTE 12))) C005100
 (DLITRL (LAMBDA (A) (QUOTE 13))) C005200
 (GENSP (LAMBDA (A) (QUOTE 1))) C005300
 (OPRTR (LAMBDA (A) (QUOTE 14))) C005400
 (UMARK (LAMBDA (A) (QUOTE 15))) C005500
 (SIGN (LAMBDA (A) (QUOTE 6))) C005600
 (DOT (LAMBDA (A) (QUOTE 17))) C005700
 (LPAR (LAMBDA (A) (QUOTE 7))) C005800
 (RPAR (LAMBDA (A) (QUOTE 18))) C005900
 (LBRAC (LAMBDA (A) (QUOTE 8))) C006000
 (RBRAC (LAMBDA (A) (QUOTE 19))) C006100
 (DATSEP (LAMBDA (A) (QUOTE 16))) C006200
 (UNREC (LAMBDA (A) (QUOTE 20))) C006300

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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 (NQ FSCHAR (XXCHAR . SYS)) (RETURN NIL))	C008100
A2 (CHREAD)	C008200
(CASE (F10 (CHARRAY (PLUS 1 (S20 . FSCHAR)	C008300
(MINUS (CHO . SYS))))	C008400
(GO E1) (GO E2) (GO B3) (GO E4) (GO B1))	C008500
E1 (SET FSCHAR (XXCHAR . SYS))	C008600
(RETURN NIL)	C008700
E2 (CHREAD)	C008800
(CASE (F5 (CHARRAY (PLUS 1 (S20 . FSCHAR)	C008900
(MINUS (CHO . SYS)))) (GO B1) (GO E2) (GO B3) (GO E2))	C009000
B1 (SET FSCHAR ((OCT2CH . LISP) 25Q))	C009100
(RETURN NIL)	C009200
B3 (SET FSCHAR ((OCT2CH . LISP) 0Q))	C009300
(GO A15)	C009400
E4 (BLOCK ((C OCTAL 0Q)	C009500
(E INTEGER 0) (I INTEGER 0) (S INTEGER 1))	C009600
CO (CHREAD)	C009700
(CASE (F6 (CHARRAY (PLUS 1 (S20 . FSCHAR)	C009800
(MINUS (CHO . SYS))))	C009900
(GO C1) (GO C2) (GO C3) (GO C4) (GO C5) (GO C6) (GO CE))	C010000
C1 (CASE S (GO C1S1)	C010100
(GO C1S2) (GO C1S3) (GO C1S4) (GO C1S3))	C010200
C1S1 (SET S 2)	C010300
C1S2 (SET 0 (WORDCR (SHIFT C 3)	C010400
(DIFFERENCE (S20 . FSCHAR) (S20 . (QUOTE '0))))	C010500
C1S4 (SET I (PLUS (TIMES 10 I)	C010600
(DIFFERENCE (S20 . FSCHAR) (S20 . (QUOTE '0))))	C010700
(GO C6)	C010800
C1S3 (SET E (PLUS (TIMES 10 E)	C010900
(DIFFERENCE (S20 . FSCHAR) (S20 . (QUOTE '0))))	C011000
(GO C6)	C011100
C2 (CASE S (GO C2S1)	C011200
(GO C2S1) (GO C1S3) (GO C1S4) (GO C1S3))	C011300
C2S1 (SET S 4)	C011400
(GO C1S4)	C011500
C3 (CASE S (GO CE) (GO C3S2) (GO C3S3) (GO C3S2))	C011600
CE (SET FSCHAR ((OCT2CH . LISP) 25Q))	C011700
(RETURN NIL)	C011800
C3S2 (SET C I)	C011900
C3S2A (IF (EQ E 0) (GO CR))	C012000
(SET E (PLUS E -1))	C012100
(SET C (TIMES 10 C))	C012200
(GO C3S2A)	C012300
C3S3 (SET 0 (SHIFT C (TIMES 3 E)))	C012400
CR (IF (AND (LQ 0 0) (LQ 0 177Q))	C012500
(SET FSCHAR ((OCT2CH . 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 BCCLEAN)                                           0013400
  NIL (BLOCK ((I INTEGER))                                              0013500
    SO (CHREAD)                                                         0013600
      (SET I (CHARRAY (PLUS 1 (CHEAT SYMBOL INTEGER FSCHAR)           0013700
        (MINUS (CHEAT OCTAL INTEGER (CHC . SYS))))))                  0013800
      (CASE (PLUS 1 (F4 I))                                             0013900
        (GO S1) (GO S4) (GO S3) (GO S0) (GO S5))                      0014000
      S1 (MAKEST)                                                       0014100
      (SET (XXSAVE . IO) FSCHAR)                                        0014200
      (SET FSCHAR NIL)                                                 0014300
      (SET FSMSYM (MAKEST))                                           0014400
      (RETURN FALSE)                                                  0014500
      S3 (SET FSNULL TRUE)                                             0014600
      (CHREAD)                                                         0014700
      (SET FSNULL FALSE)                                              0014800
      S4 (MAKEST)                                                       0014900
      (GO S0) S5 (SET FSCHAR NIL) (SET FSMSYM (MAKEST)) (RETURN TRUE))) 0015000
(LTRL (FUNCTION (LTRL NOVALUE)                                          0015100
  NIL (BLOCK ((P INTEGER 1))                                           0015200
    F1 (MAKEST)                                                         0015300
    (CASE P (GO P1) (GO P2) (GO P3) (GO P4) (GO P5))                 0015400
    P1 (IF (EQ FSCHAR (QUOTE 'C)) (SET P 2) (SET P 5))                0015500
    (GO P5)                                                             0015600
    P2 (IF (OR (EQ FSCHAR (QUOTE 'A)) (EQ FSCHAR (QUOTE 'D)))         0015700
      (SET P 3) (SET P 5))                                             0015800
    (GO P5)                                                             0015900
    P3 (IF (EQ FSCHAR (QUOTE 'R))                                       0016000
      (BLOCK NIL (SET P 4) (GO P5)) (GO P2))                          0016100
    P4 (SET P 5)                                                         0016200
    P5 (CHREAD)                                                         0016300
    (IF (EQ (F2 (CHARRAY (PLUS 1 (CHEAT SYMBOL INTEGER FSCHAR)       0016400
      (MINUS (CHEAT OCTAL INTEGER (CHO . SYS)))))) 1) (GO F1))        0016500
    (SET (XXSAVE . IO) FSCHAR)                                        0016600
    (SET FSCHAR NIL)                                                 0016700
    (SET FSMSYM (MAKEST)) (SET CARCDR (EQ P 4)) (RETURN NIL)))       0016800
(CPER1 (FUNCTION (CPER1 NOVALUE)                                        0016900
  NIL (BLOCK NIL F1 (MAKEST)                                           0017000
    (CHREAD)                                                           0017100
    (IF (EQ (F1 (CHARRAY (PLUS 1 (CHEAT SYMBOL INTEGER FSCHAR)       0017200
      (MINUS (CHEAT OCTAL INTEGER (CHO . SYS)))))) 9) (GO F1))        0017300
    (SET (XXSAVE . IO) FSCHAR)                                        0017400
    (SET FSCHAR NIL) (SET FSMSYM (MAKEST)) (RETURN NIL)))           0017500
(CPER2 (FUNCTION (CPER2 INTEGER)                                       0017600
  NIL (BLOCK NIL (MAKEST)                                             0017700
    (CHREAD)                                                           0017800
    (SET (XXSAVE . IO) FSCHAR)                                        0017900
    (SET FSCHAR NIL)                                                 0018000
    (SET FSMSYM (MAKEST))                                           0018100
    (CASE (PLUS 1 (F7 (CHARRAY (PLUS 1 (CHEAT SYMBOL INTEGER (XXSAVE   0018200
      . IO)) (MINUS (CHEAT OCTAL INTEGER (CHO . SYS))))))            0018300
      (RETURN (CPRTR)) (RETURN (SIGN))))))                            0018400
(DCTL (FUNCTION (DCTL BCCLEAN)                                        0018500
  NIL (BLOCK ((I INTEGER))                                           0018600
    (CHREAD)                                                         0018700
    (MAKEST)                                                         0018800
    (IF (AND (NG (SET I (F1 (CHARRAY (PLUS (CHEAT SYMBOL INTEGER

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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 (CHARRAY (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 . IO) FSCHAR)	0019900
(SET FSCHAR NIL) (SET FSMSYM (MAKEST)) (RETURN TRUE))))))	0020000
(TOKEN (FUNCTION (TOKEN INTEGER)	0020100
NIL (BLOCK ((I INTEGER)	0020200
(S INTEGER) (DP INTEGER) (ES SYMBOL) (K1 INTEGER) (K2 INTEGER))	0020300
(CHREAD)	0020400
(SET I (CHARRAY (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 (LITRL))	0021400
C2 (SET S 1)	0021500
(SET FSMOCT CQ)	0021600
(SET FSMOCT (WORDCR (SHIFT FSMOCT 3)	0021700
(DIFFERENCE (S2C. FSCHAR) (S2C. (QUOTE '0))))))	0021800
C21 (SET K1 C)	0021900
(SET K2 0)	0022000
(GO I1S2)	0022100
C3 (SET S 2)	0022200
(GO C21)	0022300
N (CHREAD)	0022400
(SET I (CHEAT OCTAL INTEGER (F9 (CHARRAY (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 (WORDCR (SHIFT FSMOCT 3)	0023500
(DIFFERENCE (S2C. FSCHAR) (S2C. (QUOTE '0))))))	0023600
I1S2 (SET K1 (PLUS (TIMES K1 10)	0023700
(DIFFERENCE (S2C. FSCHAR) (S2C. (QUOTE '0))))))	0023800
(MAKEST)	0023900
(GO N)	0024000
I1S5 (SET DP (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) (GO I3S1) (GC U) (GO U) (GO I3S5) (GO U))	0025500
I3S1 (SET S 9)	0025600
(SET DP 0)	0025700
I3S1A (SET K2 K1)	0025800
(SET K1 0)	0025900
(GO N)	0026000
I3S5 (SET ES (QUOTE '+))	0026100
(SET S 6)	0026200
(GO I3S1A)	0026300
I4 (MAKEST)	0026400
(CASE S (GC I4S1) (GO U))	0026500
I4S1 (SET S 4)	0026600
(GO I3S1A)	0026700
I5 (MAKEST)	0026800
(CASE S (GC I5S1) (GO I5S1) (GO U))	0026900
I5S1 (SET DP 0)	0027000
(SET S 5)	0027100
(GO N)	0027200
I6 (CASE S (GO IFIN)	0027300
(GO IFIN)	0027400
(GO IFINE) (GC OFIN) (GO RFIN) (GC AU) (GO RFINE) (GO AU))	0027500
I7 (CASE S (GO IFIN)	0027600
(GO IFIN)	0027700
(GO IFINE) (GC OFIN) (GO RFIN) (GC I7S6) (GO AU))	0027800
I7S6 (SET ES FSCHAR)	0027900
(SET S 8)	0028000
(MAKEST)	0028100
(GO N)	0028200
AU (MAKEST)	0028300
L (SET (XXSAVE . IO) FSCHAR)	0028400
(SET FSCHAR NIL)	0028500
(SET FSMSYM (MAKEST))	0028600
(RETURN (UNREC))	0028700
CFIN (SET FSMOCT (SHIFT FSMOCT (TIMES 3 K1)))	0028800
(SET I (UNSCCT))	0028900
NRET (SET (XXSAVE . IO) FSCHAR)	0029000
(SET FSCHAR NIL)	0029100
(SET FSMSYM (MAKEST))	0029200
(RETURN I)	0029300
IFINE (SET I K1)	0029400
(SET K1 K2)	0029500
(SET K2 I)	0029600
IFIN (SET I (UNSINT))	0029700
IFIN1 (IF (EQ C K2) (GO IFIN2))	0029800
(SET K2 (PLUS K2 -1))	0029900
(SET K1 (TIMES 10 K1))	0030000
(GO IFIN1)	0030100
IFIN2 (SET FSMOCT (CHEAT INTEGER OCTAL K1))	0030200
(GO NRET)	0030300
RFIN (SET I K1)	0030400
(SET K1 K2)	0030500
(SET K2 I)	0030600
RFIN (SET I (UNREL))	0030700
(SET FSMREL (CHEAT REAL REAL K1))	0030800
(IF (EQ ES (QUOTE '-)) (SET K2 (MINUS K2)))	0030900
(SET DP (DIFFERENCE K2 DP))	0031000
(SET FSMREL (TIMES FSMREL (EXPT 10.0 DP)))	0031100
(GO NRET)	0031200
C4 (MAKEST)	0031300
(SET FSCHAR NIL)	0031400
(SET FSMSYM (MAKEST))	0031500

(RETURN (F3 I))	0031600
C5 (CHREAD)	0031700
(IF (NQ FSCHAR (QUOTE 'R)) (GO C5A))	0031800
C5R (CFREAD)	0031900
(CASE (F5 (CHARRAY (PLUS 1 (S2C. FSCHAR) (MINUS (CHO . SYS))))	0032000
(GO C5R1) (GO C5R2) (GO C5R3) (GO C5R))	0032100
C5R1 (SET (XXSAVE . IO) FSCHAR)	0032200
(GO C7)	0032300
C5R2 (MAKEST)	0032400
(GO C5R)	0032500
C5R3 (SET FSCHAR NIL)	0032600
(SET FSMSYM (MAKEST))	0032700
(RETURN (REMARK))	0032800
C5A (IF (NQ FSCHAR (QUOTE '))	0032900
(GO C5B) (IF (STSP) (RETURN (STRNM)) (RETURN (UNREC))))	0033000
C5B (IF (NQ FSCHAR (QUOTE 'G)) (GO C5C))	0033100
(CHREAD)	0033200
(CASE (F1 (CHARRAY (PLUS 1 (CHEAT SYMBOL INTEGER FSCHAR)	0033300
(MINUS (CHEAT OCTAL INTEGER (CHO . SYS))))))	0033400
(GO C51)	0033500
(GO C52)	0033600
(GO C52)	0033700
(GO C52)	0033800
(GO C55)	0033900
(GO C52) (GO C52) (GO C52) (GO C59) (GO C510) (GO C511))	0034000
C51 (LTRL)	0034100
(RETURN (GENSP))	0034200
C52 (SET (XXSAVE . IO) FSCHAR)	0034300
(GO C7)	0034400
C55 (IF (STSP) (RETURN (GENSP)) (RETURN (UNREC)))	0034500
C59 (OPER1)	0034600
(RETURN (GENSP))	0034700
C510 (IF (EQ (CPR2) (CPRTR))	0034800
(RETURN (GENSP)) (RETURN (UNREC)))	0034900
C511 (MAKEST)	0035000
(IF (DCTL) (RETURN (GENSP)) (RETURN (UNREC)))	0035100
C5C (IF (NQ FSCHAR (QUOTE 'H)) (GO C5R1))	0035200
(SET FSMOCT 0)	0035300
C5CG (CHREAD)	0035400
(SET I (DIFFERENCE (S2C. FSCHAR) CHO))	0035500
(IF (AND (GQ I 6Q1) (LQ I 71Q))	0035600
(SET I (PLUS I 777777777777717Q)) (GO C5C2))	0035700
C5C1 (SET FSMOCT (PLUS (SHIFT FSMOCT 4) I))	0035800
(MAKEST)	0035900
(GO C5CG)	0036000
C5C2 (IF (AND (GQ I 101Q) (LQ I 106Q))	0036100
(BLOCK NIL (SET I (PLUS I 77777777777771Q1)) (GO C5C1))	0036200
(BLOCK NIL (SET I (UNSOCT)) (GO NRET)))	0036300
C6 (IF (STSP) (RETURN (STRSP)) (RETURN (UNREC)))	0036400
C7 (MAKEST)	0036500
(SET FSCHAR NIL)	0036600
(SET FSMSYM (MAKEST))	0036700
(RETURN (UNREC))	0036800
C8 (SET FSMOCT 1)	0036900
(SET FSMSYM (QUOTE (*STRING ')))	0037000
C81 (CHREAD)	0037100
(IF (EQ FSCHAR (QUOTE '))	0037200
(BLOCK NIL (SET FSMOCT (PLUS FSMOCT 1)) (GO C81)))	0037300
(SET (XXSAVE . IO) FSCHAR)	0037400
(RETURN (SPACER))	0037500
C9 (OPER1)	0037600
(RETURN (OPRTR))	0037700
C10 (RETURN (OPER2))	0037800

C11 (MAKEST)	C037900
(CHREAD)	C038000
(SET (XXSAVE . IO) FSCHAR)	C038100
(IF (EQ (F2 (SET I (CHARRAY (PLUS 1 (CHEAT SYMBOL INTEGER FSCHAR)	C038200
(MINUS (CHEAT OCTAL INTEGER (CHO . SYS)))))) 0)	C038300
(BLOCK NIL (SET FSCHAR NIL)	C038400
(SET FSMSYM (MAKEST)) (RETURN (DGT))))	C038500
(IF (OR (EQ (F1 I) 1) (EQ (F1 I) 11))	C038600
(BLOCK NIL (IF (DCTL) (RETURN (DLITRL)) (RETURN (UNREC))))	C038700
(BLOCK NIL (SET K1 0) (SET K2 0) (GO I5S1))))))	C038800
	C038900

***END OF FILE DETECTED

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

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

((BP INTEGER) (NAME INTEGER) (SECT INTEGER) (I INTEGER)))	CO12700
(FUNCTION (REMFN NOVALUE) ((FD SYMBOL)))	CO12800
(FUNCTION ((REMOVED . LISP) SYMBOL) ((LNAME SYMBOL)))	CO12900
(SECTION SYS SYMBCL)	CO13000
(FUNCTION ((START . SYS) NOVALUE) NIL)	CO13100
(FUNCTION (SYSINI NOVALUE) NIL)	CO13200
(FUNCTION (PRBACK NOVALUE) ((X SYMBOL)))	CO13300
(FUNCTION (ICINI NOVALUE) NIL)	CO13400
(FUNCTION (RESTART NOVALUE) NIL)	CO13500
(FUNCTION (RECCV NOVALUE) NIL)	CO13600
(FUNCTION (LSUPV NOVALUE)	CO13700
((INFILE SYMBOL) (OUTFILE SYMBOL) (FORM SYMBOL)))	CO13800
(SECTION LAP SYMBOL) (SECTION SYS CCTL))	CO13900
(MACROS DEFINE (((MSUBST (LAMBDA (L S)	CO14000
(SUBST (CADR L) (QUOTE ALPHA) S))))	CO14100
MACRO1 (((VAR2FUNC (LAMBDA (L)	CO14200
(MSUBST L (QUOTE (OZF. (I20. (PLUS (S20. ALPHA) 2Q7 -1))))))	CO14300
(FUNC2VAR (LAMBDA (L)	CO14400
(MSUBST L (QUOTE (O2S. (I20. (PLUS (BIT 0 18 (F20. ALPHA) 1))))	CO14500
)))	CO14600
(FUNCD (LAMBDA (L)	CO14700
(MSUBST L (QUOTE (CORE (BIT 0 18 (F20. ALPHA))))))	CO14800
(TRAPP (LAMBDA (L)	CO14900
(MSUBST L (QUOTE (O2S. (BIT 24 18 (FUNCD ALPHA))))))	CO15000
(LADDR (LAMBDA (L) (MSUBST L (QUOTE (BIT 24 18 (CORE ALPHA))))))	CO15100
(RADDR (LAMBDA (L) (MSUBST L (QUOTE (BIT 0 18 (CORE ALPHA))))))	CO15200
(SLADDR (LAMBDA (L)	CO15300
(MSUBST L (SUBST (GENID)	CO15400
(QUOTE X)	CO15500
(QUOTE (BLOCK ((X CCTL LEXICAL (CORE ALPHA)))	CO15600
(RETURN (CODE (LDA X (L567.3 S))))))	CO15700
(SRADDR (LAMBDA (L)	CO15800
(MSUBST L (SUBST (GENID)	CO15900
(QUOTE X)	CO16000
(QUOTE (BLOCK ((X CCTL LEXICAL (CORE ALPHA)))	CO16100
(RETURN (CODE (LDA X (L567.7 S))))))	CO16200
(FNSTAT (LAMBDA (L)	CO16300
(MSUBST L (QUOTE (SHIFT (FUNCD ALPHA) -45))))	CO16400
(FREADY (LAMBDA (L)	CO16500
(MSUBST L (QUOTE (EQ (WORDAND (FUNCD ALPHA) 2Q15) 0))))	CO16600
(IDLINK (LAMBDA (L)	CO16700
(MSUBST L (QUOTE (O2S. (RADDR (PLUS (S20. ALPHA) 1))))))	CO16800
(AGE (LAMBDA (L)	CO16900
(SUBST (CDR L)	CO17000
(QUOTE A) (QUOTE (BIT 18 3 (CORE (S20. . A))))))	CO17100
(TRAPEQ (LAMBDA (L)	CO17200
(SUBST (CADR L)	CO17300
(QUOTE FN)	CO17400
(SUBST (CADDR L)	CO17500
(QUOTE FT) (QUOTE (EQ (OZF. (BIT 0 24 (FUNCD FN)) FT))))	CO17600
(ROUTINEDIES (LAMBDA (L) NIL)))	CO17700
MACRO1 (((TRAPP (LAMBDA (L)	CO17800
(SUBST (CADDR L)	CO17900
(QUOTE EXP)	CO18000
(SUBST (CADR L)	CO18100
(QUOTE FNAME)	CO18200
(SUBST (CADDR L)	CO18300
(QUOTE MODE)	CO18400
(QUOTE (BLOCK ((ALA. OCTAL (CODE)))	CO18500
(BLOCK ((FNAME (FUNCTIONAL NOVALUE)	CO18600
((FNCLD . SYS) (CODE (LDA 0 8))))	CO18700
(BLOCK ((SLA. SYMBOL (IF (EQ ((LARG . SYS) FNAME)	CO18800
(QUOTE S)) (O2S. ALA.) NIL)))	CO18900

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EXP (BLOCK ((CA OCTAL ((RESUME . SYS) FNAME MODE)))
      (SET (FMCALL . SYS) FNAME)
      (IF SLA. (SET ALA. (S2C. SLA.)))
      (CCDE (LDA ALA.) (BUC CA 1)))))))))
(TRACEM (LAMBDA (L)
  (LIST (QUOTE (TRAPM . SYS)) (GENSYM) TRUE (CADR L))))))
(TRACEM (SECTION SYS SYMBOL)
  (RCUTINE (FNCALD FUNCTIONAL)
    ((RA OCTAL))
    (BLOCK ((FA OCTAL (RADDR (PLUS RA -1))))
      (IF (EQ (BIT 42 6 (CORE FA)) 0) (SET FA (RADDR FA)))
      (RETURN (O2F. (WORDCR 2Q7 FA))))))
  (RCUTINE (LARG SYMBOL)
    ((FN (FUNCTIONAL NOVALUE)))
    (BLOCK ((WW OCTAL FREE (SYNTYPE (FUNC2VAR FN)))
      (PP INTEGER FREE 12)
      (RR INTEGER FREE 1)
      (AA (ARKEY OCTAL) FREE) (LA SYMBOL) (C OCTAL))
      (IF (EQ (BIT 24 6 WW) 1)
        (BLOCK NIL (SET AA (O2S. (BIT 6 18 WW)))
          (SET WW (AA 1)) (SET PP 30)))
        (FOR C (LOCP (RDTYPC))
          (WHILE (NG C 63)
            (SET LA (IF (CR (RELATION 0 LS C LS 5)
              (AND (EQ C 31) (RDTYPC))) (QUOTE A) (QUOTE S))))
          (RETURN LA))))
  (RCUTINE (RESUME OCTAL)
    ((FN (FUNCTIONAL NOVALUE)) (MODE BOCLEAN))
    (BLOCK ((CP OCTAL))
      A (IF (EQ (FNSTAT FN) 0)
        (SET CP (BIT C 18 (FUNCD FN)))
        (AND (FREADY FN) MODE)
        (SET CP (BIT 24 18 (FUNCD FN)))
        (BLOCK NIL (SET FN (O2F. (BIT C 24 (FUNCD FN)))) (GO A)))
        (RETURN (IF (LARG FN) (PLUS CP 2) (PLUS CP 1))))))
(SLBFNS (SECTION SYS SYMBOL)
  (FUNCTION (MESSAGE SYMBOL)
    ((M SYMBOL))
    (BLOCK ((K SYMBOL))
      (FOR K (IN (MSGFILE . SUPV))
        (BLOCK ((CUT SYMBOL (OUTPUT K))) (PRETTY M) (OUTPUT OUT)))
        (RETURN M)))
  (RCUTINE ((MEMBERN . LISP) BCOLEAN)
    ((X SYMBOL) (L SYMBOL))
    (BLOCK ((Y SYMBOL)) (FOR Y (IN L) (IF (EQN X Y) (RETURN TRUE))))))
(FUNCTION ((DELE . LISP) SYMBOL)
  ((X SYMBOL) (L SYMBOL))
  (BLOCK ((P SYMBOL) (M SYMBOL))
    (FOR L (CN L) (IF (NG (CAR (SET P L)) X) (GO A)))
    (RETURN NIL))
  A (IF (NULL (SET M (CDR P)))
    (RETURN L) (EQ (CAR M) X) (SET (CDR P) (CDR M)) (SET P M))
  (GO A)))
(FUNCTION (GETFN SYMBOL)
  ((N SYMBOL) (S SYMBOL))
  (GETFN1 N S (QUOTE (FUNCTION MACRO INSTRUCTIONS))))
(FUNCTION (GETFRT SYMBOL)
  ((N SYMBOL) (S SYMBOL))
  (GETFN1 N S (QUOTE (FUNCTION MACRO INSTRUCTIONS ROUTINE))))
(FUNCTION (GETFN1 SYMBOL)
  ((N SYMBOL) (S SYMBOL) (L SYMBOL))
  (BLOCK ((X SYMBOL (GETFREE N S)))
    (IF (AND X (MEMBER (FKIND X) L)) (RETURN X))))

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(FUNCTION (VARNAME SYMBOL)	0025300
((X SYMBOL))	0025400
(CONS (BLOCK ((Y SYMBOL X))	0025500
(FOR Y (LCCP (IDLINK Y))	0025600
(UNLESS (NQ (BIT 42 6 (CORE (S20. Y))) 7)) (RETURN Y)))	0025700
(O2S. (LADDR (S20. X))))	0025800
(ROUTINE (UNLDR SYMBOL)	0025900
((FN (FUNCTIONAL NOVALUE)))	0026000
(IF (FREDDY FN)	0026100
NIL (ATOM (TRAPP FN)) (TRAPP FN) (CDR (TRAPP FN)))	0026200
(FUNCTION (FACTIVE BCCLEAN)	0026300
((FN (FUNCTIONAL NOVALUE)))	0026400
(BLOCK ((BP INTEGER (PLUS (BIT 0 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 (NQ (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) (GL A))))	0027200
(ERROR (SECTION SYS SYMBOL)	0027300
(FUNCTION ((ERROR . LISP) SYMBOL)	0027400
((S SYMBOL))	0027500
(BLOCK NIL (IF (AND (NOT INERR) (CR (PRNERR . LISP) INTERACT))	0027600
(BLOCK (((INERR . SYS) TRUE)) (MESSAGE S)))	0027700
(IF (NOT 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 (PLUS P (SLADDR (PLUS R -1))))	0029600
(FOR A (RESET R (RADDR A))	0029700
(WHILE (NQ (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 (VARNAME (O2S. (I20. (PLUS (RADDR A) 1))))	0030300
(BACTRC . LISP))) (SET P (PLUS P BPO)) L))	0030400
(IF (NOT 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
(ROUTINE (FLREST BCCLEAN)	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 (PLUS A (LADDR A)))	0031500

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(FOR A (STEP A 1)                                C031600
  (WHILE (LS A B))                                C031700
  (BLOCK NIL (IF (LS (SET BC (PLUS BC -2)) 0)      C031800
    (BLOCK NIL (SET B (PLUS B -1)) (SET BC 46)))   C031900
    (IF (NOT (AND (GR A R)                        C032000
      (EQ (WORDAND (CORE A) 7700000077777777Q) (CORENTRY FLRCAL)) C032100
      (EQ (WORDAND (SHIFT (CORE B) (MINUS BC)) 3C) 2) C032200
      (LS (SET J (LADDR A)) R))) (GO L))          C032300
    (SET K (PLUS P (SLADDR (PLUS J -1))))         C032400
    (FOR J (STEP J 1)                              C032500
      (BLOCK NIL (SET K (PLUS K -1))              C032600
        (SET V (RADDR J))                        C032700
        (IF (AND M (EQN (O2S. (I2O. (PLUS V 1))) TRYVAR)) C032800
          (RETURN TRUE))                          C032900
          (SET (CORE V) (CORE K))                 C033000
          (IF (EQ (BIT 43 1 (CORE J)) 1) (GO L)))) L)))) C033100
  (TRACE (SECTION SYS SYMBOL)                     C033200
    (FUNCTION ((TRACEARGS . LISP) SYMBOL)         C033300
      ((L SYMBOL))                                C033400
      (MAPCAR L (FUNARG SYMBOL ((X SYMBOL)))      C033500
        (IF (ATOM X) NIL (TRACER (CAR X) (CDR X) TRACEA)))) C033600
    (FUNCTION (TRACEA NOVALUE)                    C033700
      NIL (TRAPM FN TRUE (IF (NOT TRACING)         C033800
        (BLOCK ((V SYMBOL (FUNC2VAR FN))          C033900
          (TRACING BOCLEAN FREE TRUE) (L SYMBOL) (J INTEGER)) C034000
          (SET L (CDDADR (FVLIST V)))             C034100
          (SET J (LENGTH L))                      C034200
          (MESSAGE (CONS (VARNAME V)              C034300
            (QUOTE CF))                            C034400
            (MAPCAR L (FUNARG SYMBOL ((X SYMBOL))) C034500
              (BLOCK ((W OCTAL))                  C034600
                (SET W (IF (EQ (SET J (PLUS J -1)) 0) C034700
                  (IF SLA. (S2O. SLA.) ALA.)      C034800
                  (CORE (PLUS (CODE (LDA ALA.)) J 1)))) C034900
                (IF (EQ (CADR X) (QUOTE LCC)) (SET W (CORE W))) C035000
                (SET X (CAR X))                   C035100
                (RETURN (IF (EQ X (QUOTE CCTL))   C035200
                  W (EQ X (QUOTE INTEGER))        C035300
                  (C2I. W)                        C035400
                  (EQ X (QUOTE REAL))             C035500
                  (C2R. W)                        C035600
                  (EQ X (QUOTE FUNCTIONAL)) (O2F. W) (O2S. W))))))))) C035700
    (FUNCTION ((TRACER . LISP) SYMBOL)           C035800
      ((N SYMBOL) (S SYMBOL) (FT (FUNCTIONAL NOVALUE))) C035900
      (BLOCK ((X SYMBOL (GETFN N S)))            C036000
        (IF (NULL X) (RETURN NIL))               C036100
        (ONTRAC (VAR2FUNC X) FT) (RETURN (CONS N S)))) C036200
    (FUNCTION ((UNTRACE . LISP) SYMBOL)          C036300
      ((L SYMBOL))                                C036400
      (MAPCAR L (FUNARG SYMBOL ((X SYMBOL)))      C036500
        (IF (ATOM X) NIL (UNTRACER (CAR X) (CDR X)))) C036600
    (FUNCTION ((UNTRACER . LISP) SYMBOL)         C036700
      ((N SYMBOL) (S SYMBOL))                    C036800
      (BLOCK ((X SYMBOL (GETFN N S)))            C036900
        (RETURN (IF (OR (NULL X) (NULL (OFFTRAC (VAR2FUNC X)))) C037000
          NIL (CONS N S))))))                    C037100
  (NCD (SECTION SYS SYMBOL)                       C037200
    (FUNCTION (FTRANS SYMBOL)                     C037300
      ((P SYMBOL))                                C037400
      (BLOCK ((FN (FUNCTIONAL NOVALUE) (VAR2FUNC (CAR P))) C037500
        (FNT (FUNCTIONAL NOVALUE) (VAR2FUNC (CDR P))) C037600
        (FREEZE BOCLEAN FREE TRUE))             C037700
        (BLOCK ((S SYMBOL) (J INTEGER))          C037800

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(IF (NOT (FREADY FNT))	C037900
(IF (NULL (SET S (UNLDN FNT))) (RETURN NIL) (LOADL S)))	C038000
(REMFN (CDR P))	C038100
(SET S (OFFTRAC FNT))	C038200
(EXCISF (CAR P))	C038300
(SET J (PLUS (BIT 0 18 (FUNCD FNT)) -1))	C038400
(SET (RADDR J) (BIT 0 18 (F20. FN)))	C038500
(SETFC (CAR P) J)	C038600
(VREFCT (CAR P) 1)	C038700
(VREFCT (CDR P) -1)	C038800
(UNDEFN FNT S) (RETURN (VARNAME (CAR P))))))	C038900
(FUNCTION (ONTRAC NOVALUE)	C039000
((FN (FUNCTIONAL NOVALUE)) (FT (FUNCTIONAL NOVALUE)))	C039100
(IF (FREADY FN)	C039200
(SETRAP FN FT)	C039300
(SET (TRAPP FN)	C039400
(CONS FT (IF (ATOM (TRAPP FN)) (TRAPP FN) (CDR (TRAPP FN))))))	C039500
(FUNCTION (OFFTRAC SYMBOL)	C039600
((FN (FUNCTIONAL NOVALUE)))	C039700
(BLOCK ((S SYMBOL))	C039800
(IF (NOT (FREADY FN))	C039900
(IF (NOT (ATOM (TRAPP FN)))	C040000
(BLOCK NIL (SET S (CAR (TRAPP FN)))	C040100
(SET (TRAPP FN) (CDR (TRAPP FN))))	C040200
(IF (NQ (FNSTAT FN) 0)	C040300
(BLOCK NIL (SET S (C2F. (BIT 0 24 (FUNCD FN)))	C040400
(SET (FUNCD FN)	C040500
(WORDCR (WORDAND 7Q14 (FUNCD FN))	C040600
(BIT 24 18 (FUNCD FN)))))) (RETURN S)))	C040700
(ROUTINE (SETFC NOVALUE)	C040800
((FD SYMBOL) (J INTEGER))	C040900
(BLOCK ((FN (FUNCTIONAL NOVALUE) (VAR2FUNC FD)) (S SYMBOL))	C041000
(SET S (TRAPP FN)	C041100
(SET (FUNCD FN)	C041200
(WORDCR (WORDAND 7Q14 (FUNCD FN)) (I2C. (PLUS J 1)))	C041300
(IF (NOT (ATOM S))	C041400
(SETRAP FN (C2F. (CORE (PLUS (S20. (CAR S)) 1))))))	C041500
(ROUTINE (SETRAP NOVALUE)	C041600
((FN (FUNCTIONAL NOVALUE)) (FT (FUNCTIONAL NOVALUE)))	C041700
(BLOCK NIL (IF (EQ (FNSTAT FN) 0)	C041800
(BLOCK NIL (SET (BIT 45 3 (FUNCD FN)) 1Q)	C041900
(SET (BIT 24 18 (FUNCD FN)) (BIT 0 18 (FUNCD FN))))	C042000
(SET (BIT 0 24 (FUNCD FN)) (BIT 0 24 (F20. FT))))	C042100
(FUNCTION (UNDEFN NOVALUE)	C042200
((FN (FUNCTIONAL NOVALUE)) (S SYMBOL))	C042300
(BLOCK NIL (SET (FUNCD FN)	C042400
(WORDCR 2Q15 (WORDAND 7Q14 (FUNCD FN)) (F20. (FNTRAP . SYS))))	C042500
(IF S (SET (TRAPP FN) (LIST S))))	C042600
(ROUTINE (VREFCT NOVALUE)	C042700
((V SYMBOL) (I INTEGER))	C042800
(SET (RADDR (S2C. V)) (PLUS (RADDR (S20. V)) I)))	C042900
(FNTRAP (SECTION SYS SYMBOL)	C043000
(FUNCTION (FNTRAP NOVALUE)	C043100
NIL (TRAPM FN NIL (BLOCK ((X SYMBOL (FUNC2VAR FN))	C043200
(ROUTINEDIES FN)	C043300
(ERROR (CONS (VARNAME X) (QUOTE UNDEFINED) (FVLIST X))))))	C043400
(FUNCTION (FNTRAP NOVALUE)	C043500
NIL (ERROR (QUOTE (UNSET FUNCTIONAL VARIABLE APPLIED))))	C043600
(FUNCTION (LDTRAP NOVALUE)	C043700
NIL (TRAPM FN NIL (BLOCK ((X SYMBOL (TRAPP FN))	C043800
(IF (NOT (ATOM X)) (SET X (CDR X)) (LOADL X))))	C043900
(FUNCTION (PEGONE NOVALUE)	C044000
NIL (TRAPM FN NIL (BLOCK ((J INTEGER (CODE (LDA (Z. 8))))	C044100

(P SYMBOL PDCUT))	C044200
(ADPDCK (MINUS (PDBUF . GC)))	C044300
(SET PDCUT (QUOTE B))	C044400
(IF (EQ P (QUOTE B)) (SDS (QUOTE PDGONE)))	C044500
(IF (NULL P) (RECLAIM 0))	C044600
(SET (PDACC . GC) 0)	C044700
(IF (NULL P) (MESSAGE (QUOTE (STACK GREW))))))	C044800
(FUNCTION (SCS SYMBOL)	C044900
((M SYMBOL))	C045000
(BLOCK NIL (TRY M E (MESSAGE (LIST (QUOTE SCS) M))) E (CODE (0))))	C045100
(EXCISE (SECTION SYS SYMBOL)	C045200
(FUNCTION ((EXCISE . LISP) SYMBOL)	C045300
((N SYMBOL) (S SYMBOL))	C045400
(BLOCK ((X SYMBOL (GETFRT N S)))	C045500
(RETURN (IF (NULL X) NIL (EXCISE X))))	C045600
(FUNCTION (EXCISE SYMBOL)	C045700
((FD SYMBOL))	C045800
(BLOCK ((FN (FUNCTIONAL NOVALUE) (VAR2FUNC FD))	C045900
(S SYMBOL) (J INTEGER) (FREEZE BOCLEAN FREE TRUE))	C046000
(IF (NOT (READY FN))	C046100
(IF (NULL (SET S (UNLDR FN))) (RETURN NIL) (LOADL S)))	C046200
(SET S (OFFTRAC FN))	C046300
(IF (FACTIVE FN)	C046400
(BLOCK NIL (IF S (CONTRAC FN S))	C046500
(ERROR (CONS (VARIABLE FD) (QUOTE (ACTIVE CANT EXCISE))))))	C046600
(REMFN FD)	C046700
(SET J (PLUS (BIT 0 18 (FUNCD FN)) -1))	C046800
(SET (BIT 42 6 (CORE J)) 0)	C046900
(IF (GC J BPC) ((FXFN . GC) J TRUE) (GO A))	C047000
(IF (EQ (PLUS J (LADDR J)) BPP)	C047100
(SET BPP J)	C047200
(SET (BPMIN . GC) (PLUS (BPMIN . GC) (MINUS (LADDR J))))	C047300
A (UNDEFN FN S) (RETURN (VARIABLE FD)))	C047400
(ROUTINE (FXRUB CCTL)	C047500
((I OCTAL))	C047600
(BLOCK ((J CCTL (BIT 42 6 (CORE (PLUS I 1))))	C047700
(IF (LS I TRC)	C047800
(GO R)	C047900
(AND (LQ 7 J) (LQ J 31))	C048000
(SET I (I2C. (PLUS I 1))) (SET J (BIT 42 6 (CORE I)))	C048100
(IF (EQ J 7)	C048200
(SET (LADDR (PLUS I 1)) (PLUS (LADDR (PLUS I 1)) -1))	C048300
(SET (RADDR I) (PLUS (RADDR I) -1))) R)))	C048400
(GETBPS (SECTION SYS SYMBOL)	C048500
(FUNCTION (GETBPS INTEGER)	C048600
((I INTEGER))	C048700
(BLOCK ((BP INTEGER) (J INTEGER) (K INTEGER))	C048800
A (SET J (PLUS A0 (MINUS BPP)))	C048900
(SET K (PLUS J (MINUS (BPMIN . GC))))	C049000
(IF (AND (LS (PLUS I (BPMIN . GC)) 0)	C049100
(NQ (SET BP (FITBPS I)) 0))	C049200
(GO R)	C049300
(GQ J I)	C049400
(BLOCK NIL (SET BP BPP) (SET BPP (PLUS BPP I)) (GC R)))	C049500
(INTERRUPT)	C049600
(IF (GC K I)	C049700
(BLOCK NIL (PACBPS .) (GO A))	C049800
(AND (NOT FREEZE)	C049900
(GR (DIFFERENCE BPP BPO) (GC7 . GC)) (UNLBPS I))	C050000
(GO A)	C050100
(BLOCK NIL (SET (BPMIN . GC) (PLUS (BPMIN . GC) I))	C050200
(RECLAIM 0) (GO A)))	C050300
R (SET (CORE BP) 0) (SET (LADDR BP) I) (RETURN BP)))	C050400

(FUNCTION (FITBPS INTEGER)	C050500
((I INTEGER))	C050600
(BLOCK ((BP INTEGER)	C050700
(BS INTEGER) (BMP INTEGER) (BMS INTEGER 50000))	C050800
(FOR BP (RESET BPC (PLUS BP (LADDR BP))))	C050900
(WHILE (NQ BP BPP))	C051000
(IF (EQ (BIT 42 6 (CORE BP)) 0)	C051100
(SET BS (PLUS BS (LADDR BP)))	C051200
(AND (GQ BS I) (LS BS BMS))	C051300
(BLOCK NIL (SET BMP (PLUS BP (MINUS BS)))	C051400
(SET BMS BS) (SET BS 0)) (SET BS 0)))	C051500
(SET (BPMIN . GC) (PLUS (BPMIN . GC) BS))	C051600
(SET BPP (PLUS BPP (MINUS BS)))	C051700
(IF (EQ BMS 50000)	C051800
(RETURN 0)	C051900
(GR BMS I)	C052000
(BLOCK NIL (SET (CORE (PLUS BMP I)) 0)	C052100
(SET (LADDR (PLUS BMP I)) (PLUS BMS (MINUS I))))	C052200
(SET (BPMIN . GC) (PLUS (BPMIN . GC) I)) (RETURN BMP)))	C052300
(FUNCTION (PACBPS NOVALUE)	C052400
((R INTEGER))	C052500
(CRG NIL (BLOCK ((A INTEGER)	C052600
(P INTEGER) (D INTEGER) (I INTEGER))	C052700
REASSIGN (SET A (PLUS BPC R I))	C052800
(FOR P (RESET BPC (PLUS P (LADDR P)))	C052900
(WHILE (NQ P BPP))	C053000
(UNLESS (EQ (BIT 42 6 (CORE P)) 0)	C053100
(BLOCK NIL (SET D (RADDR P))	C053200
(IF (NQ (WORDAND IQ15 (CORE D)) 0)	C053300
(SET (LADDR D) (I2C. A)) (SET (RADDR D) (I2C. A)))	C053400
(SET A (PLUS A (LADDR P))))	C053500
FIXRETS (CODE (STX P 0 8))	C053600
(FOR P (RESET P (PLUS P I))	C053700
(WHILE (NQ P BPC))	C053800
(BLOCK NIL (FOR A (RESET (CORE P) (RADDR A))	C053900
(WHILE (NQ (BIT 18 6 (CORE A)) 1)) NIL)	C054000
(SET I (SLADDR (PLUS (CORE P) -1)))	C054100
(IF (NQ (SET D (RADDR A)) 0)	C054200
(SET (CORE P)	C054300
(PLUS (CORE P)	C054400
(MINUS A)	C054500
-1 (IF (NQ (WORDAND IQ15 (CORE D)) 0)	C054600
(LADDR D) (RADDR D))))))	C054700
MOVEBPIS (SET P BPC)	C054800
(SET BPC (SET A (PLUS P (IF (GR R 0) 0 R))))	C054900
(FOR P (RESET P (PLUS P I))	C055000
(WHILE (NQ P BPP))	C055100
(UNLESS (BLOCK NIL (SET I (LADDR P))	C055200
(RETURN (EQ (BIT 42 6 (CORE P)) 0))))	C055300
(IF (EQ A P)	C055400
(SET A (PLUS A (LADDR P)))	C055500
(BLOCK NIL (FIXBPI P P (PLUS A R))	C055600
(FOR D (STEP P 1 EQ (PLUS P (LADDR P)))	C055700
(BLOCK NIL (SET (CORE A) (CORE D)) (SET A (PLUS A 1))))))	C055800
(SET BPP A) (SET (BPMIN . GC) 0)))	C055900
(FUNCTION (UNLBPS BOCLEAN)	C056000
((I INTEGER))	C056100
(BLOCK ((N INTEGER)	C056200
(X SYMBOL) (V SYMBOL) (FN (FUNCTIONAL NOVALUE)))	C056300
(FOR N (STEP 7 -1 EQ -2)	C056400
(IF (LQ I (PLUS ARC (MINUS BPP) (MINUS (BPMIN . GC))))	C056500
(RETURN TRUE)	C056600
(FOR X (IN DUMPS)	C056700

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(FOR V (IN (CADDR X))
  (IF (EQ (FNSTAT (SET FN (VAR2FUNC V))) 1)
    (IF (AND (EQ (AGE V) N) (TRAPEQ FN ITRAP1))
      (BLOCK NIL (SET (FUNCD FN)
        (WORDOR (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 COTAL)
  NIL (BLOCK ((ALA. COTAL (CODE)))
    (BLOCK ((X SYMBCL) (V SYMBOL) (FN (FUNCTIONAL NOVALUE)))
      (FOR X (IN DUMPS)
        (FOR V (IN (CADDR X))
          (UNLESS (NOT (FREADY (SET FN (VAR2FUNC V))))
            (IF (EQ (FNSTAT FN) 0)
              (BLOCK NIL (SETRAP FN ITRAP1) (SET (AGE V) 0))
              (TRAPEQ 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. COTAL (CODE)))
        (BLOCK ((FN (FUNCTIONAL NOVALUE)
          ((FNCALD . SYS) (CODE (LDA 0 8))))))
          (SET (FUNCD FN)
            (WORDOR (WORDAND 7Q14 (FUNCD FN)) (BIT 24 18 (FUNCD FN))))
          (BLOCK ((CA COTAL ((RESUME . SYS) FN NIL)))
            (SET (FMCALL . SYS) FN) (CODE (LDA ALA.) (BUC CA I))))))
        (ROUTINE (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 (WORDAND BW 4Q15) 0)
                      (LQ A (LADDR BP)) (LS (LADDR BP) (PLUS A I)))
                      (SET (LADDR BP) (PLUS (LADDR BP) D)))
                    (IF (AND (NQ (WORDAND 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))))))))))
          (DUMP (SECTION SYS SYMBOL)
            (FUNCTION ((DUMPSEC . LISP) SYMBOL)
              ((LNAME SYMBOL) (OUT SYMBOL) (SEC SYMBOL))
              (BLOCK ((I INTEGER 1) (L SYMBOL) (A SYMBOL))
                (FOR I (STEP I 1 GR OBLISIZ)
                  (FOR A (RESET (CBLIST I) (IDLINK A))
                    (WHILE A) (IF (GETFREE A SEC) (SET L (CONS (CONS A SEC) L))))))
                (RETURN (DUMPL LNAME OUT L))))
            (FUNCTION ((DUMPL . LISP) SYMBOL)
              ((LNAME SYMBOL) (OUT SYMBOL) (L SYMBOL))
              (BLOCK ((LSIZE INTEGER 0)
                (B SYMBOL) (LF SYMBOL) (S SYMBOL) (M SYMBOL) (X SYMBOL))
                (IF (NCT (AND (IDP LNAME) (IDP OUT) (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 COTAL) 0)))

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(SET S (OUTPUT OUT))	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
(ENDCUTR)	C063600
(SET DUMPS (CONS (LIST LNAME (LIST OUT (CDR LF) LSIZE) M NIL)	C063700
DUMPS))	C063800
(SET (CDR LF) (SECTOR . IO))	C063900
(OUTPUT S) (SET (CDR B) NIL) (RETURN (MAPCAR M VARNAME)))	C064000
(FUNCTION (DUMPFN SYMBOL)	C064100
((X SYMBOL) (LSIZE INTEGER LOC))	C064200
(BLOCK ((V SYMBOL)	C064300
(FN (FUNCTIONAL NOVALUE))	C064400
(S SYMBOL)	C064500
(A (ARRAY OCTAL))	C064600
(BP INTEGER) (I INTEGER) (FREEZE BOOLEAN FREE TRUE))	C064700
(IF (OR (ATOM X) (NULL (SET V (GETFN (CAR X) (CDR X)))))	C064800
(RETURN NIL))	C064900
(SET FN (VAR2FUNC V))	C065000
(IF (NOT (FREEDY FN))	C065100
(IF (NULL (SET S (UNLDN FN))) (RETURN NIL) (LOADL S)))	C065200
A (SET BP (PLUS -1 (IF (EQ (FNSTAT FN) 0)	C065300
(BIT 0 18 (FUNCD FN)) (BIT 24 18 (FUNCD FN))))	C065400
(IF (LS BP BPO) (RETURN NIL))	C065500
(IF (NULL A)	C065600
(BLOCK NIL (SET A (CREATE (LADDR BP) (QUOTE OCTAL) 0)) (GO A)))	C065700
(FOR I (STEP (LADDR BP) -1 EQ 0)	C065800
(SET (A I) (CORE (PLUS BP I -1))))	C065900
(FIXBPI (PLUS (S20. A) 1) BP 205)	C066000
(FOR I (STEP 1 1 GR (LADDR BP))	C066100
(BLOCK NIL (PRINWORD (A I)) (SET LSIZE (PLUS LSIZE 1))))	C066200
(IF (EQ (PLUS (S20. A) I) ARP) (SET ARP (S20. A)) (RETURN V)))	C066300
(FUNCTION ((UNLOADL . LISP) SYMBOL)	C066400
((LNAME SYMBOL))	C066500
(BLOCK ((LL SYMBOL (FINDN LNAME DUMPS)) (X SYMBOL))	C066600
(IF (NULL LL)	C066700
(ERROR (CONS LNAME (QUOTE (ILLEGAL LIBRARY FILE NAME)))))	C066800
(FOR X (IN (CADDR LL)) (UNLDFN X LL)))	C066900
(FUNCTION ((UNLOADFN . LISP) SYMBOL)	C067000
((NAME SYMBOL) (SEC SYMBOL))	C067100
(BLOCK ((V SYMBOL (GETFN NAME SEC)) (LL SYMBOL))	C067200
(IF (NULL V) (RETURN NIL))	C067300
(FOR LL (IN DUMPS)	C067400
(UNLESS (NOT (MEMBERN V (CADDR LL))))	C067500
(BLOCK NIL (UNLDFN V LL) (GO R))) R))	C067600
(FUNCTION (UNLDFN SYMBOL)	C067700
((V SYMBOL) (LL SYMBOL))	C067800
(IF (NOT FREEZE)	C067900
(BLOCK ((FN (FUNCTIONAL NOVALUE) (VAR2FUNC V))	C068000
(BP INTEGER) (S SYMBOL) (FREEZE BOOLEAN FREE TRUE))	C068100
(SET S (OFFTRAC FN))	C068200
(IF (OR (NOT (FREEDY FN)) (FACTIVE FN))	C068300
(BLOCK NIL (IF S (CONTRAC FN S)) (GO R)))	C068400
(SET BP (PLUS (BIT 0 18 (FUNCD FN)) -1))	C068500
(SET (BIT 42 6 (CORE BP)) 00)	C068600
(SET (BPMIN . GC) (PLUS (BPMIN . GC) (MINUS (LADDR BP))))	C068700
(SET (FUNCD FN)	C068800
(WORDOR 2015 (WORDAND (FUNCD FN) 7014)	C068900
(BIT 0 24 (F20. LCTRAP))))	C069000
(SET (TRAPP FN) (CAR LL))	C069100
(IF S (SET (TRAPP FN) (CONS S (CAR LL)))) R) NIL)))	C069200
(LOADL (SECTION SYS SYMBOL)	C069300

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

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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) (DELE FD (CADDR X)))	C076200
(SET (CADDR X) (CONS FD (CADDR X))) (REMOVE1 (CAR X))))))	C076300
(FUNCTION ((REMOVE1 . 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 (DELE 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) (O2S. (ENTRY FIXBUF))))	C078000
(SET (BUFIX . IC) X)	C078100
(LOCSET (FIXLOC . IC) (X 0))	C078200
(SET ECFCH (OCT2CH 340))	C078300
(SET XXCHAR (OCT2CH 1401))	C078400
(SET TRYVAR (GETFREE (QUOTE TRYPT) (QUOTE SYS)))	C078500
(CODE (LDA (TRF . SYS))	C078600
(ADD (PCBUF . GC))	C078700
(STA (ENTRY PDCK1) S7.123)	C078800
(ADD (NUMBER 25)) (STA ((ENTRY PDCK) 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 PRMAX BACKTRACE))))	C079400
(FUNCTION (ICINI NOVALUE)	C079500
NIL (BLOCK NIL (SET (FILES. . IC) NIL)	C079600
(SET (ICURFN . IC) (SET (CURFN . IC) NIL))	C079700
(SET (COREENTRY DNAME) (CORE (PLUS (ENTRY BELL) 2)))	C079800
(SET (BIT 0 6 (COREENTRY DUNIT)) 101)	C079900
(SET (BIT 0 6 (COREENTRY DFORM)) 210)	C080000
(SET (COREENTRY DSIZE) 1)	C080100
(CODE (LDA (ENTRY DCALL) (L567.7 R)) (BUC (ENTRY DSPCHR)))	C080200
(OPEN ITTY TTY.)	C080300
(OPEN CTTY TTY.) (INPUT ITTY) (OUTPUT OTTY) (MESSAGE SIGACN)))	C080400
(FUNCTION (RESTART NOVALUE)	C080500
NIL (BLOCK NIL (SET (FSCHAR . FSM) NIL)	C080600
((MAKEST . FSM)) (SET (BACTRC . LISP) NIL)))	C080700
(FUNCTION (RECCV NOVALUE) NIL (CODE (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 (OUTPUT OUTFILE)))	C081400
(ENDIN)	C081500
A (SET A (READ))	C081600
B (IF (NOT (ATCM A))	C081700
(IF (EQ (CAR A) (QUOTE LAP))	C081800
(GO LAP) (EQ INFILE ITTY) (GC PR) (GO A))	C081900

(OR (EQN A EOFCH) (EQ A (QUOTE STCP)) (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 (DUMPL (CAR B) (CADR B) (CADDR B)))	C083800
(EQ A (QUOTE UNLOAD))	C083900
(SET A (UNLOAD 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 (S2C. V)	C084500
(CORE (PLUS (S2C. V) -1)) (FVLIST V))))	C084600
(EQ A (QUOTE LAPSTCP))	C084700
(BLOCK NIL (IF (NOT B) (SET A (LAPGO))) (SET LAPSTOP B))	C084800
(EQ A (QUOTE SUPV)) (SUPV) (BLOCK NIL (SET A B) (GO B)))	C084900
(GO PR)	C085000
LAP (SET (ERRFLG . SUPV) FALSE)	C085100
(SET A (LAP (CADR A) (CADDR A) (CAADDR A)))	C085200
(IF (ERRFLG . SUPV) (GO A) (NQ (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 (INPLT INF) (OUTPUT CUT)))	C085800
	C085900

****END OF FILE DETECTED

(CLMYY (SECTION (LAP SYS) SYMBOL)	0000100
(FUNCTION ((LAP . LISP) SYMBOL)	0000200
((A SYMBOL) (B SYMBOL) (C SYMBOL)))	0000300
(FUNCTION (LAPP SYMBOL)	0000400
((LISTING SYMBOL) (DLIST SYMBOL) (SNAME SYMBOL FLUID)))	0000500
(FUNCTION (LAPDECLARE NOVALUE) ((C SYMBOL)))	0000600
(FUNCTION (FREEDECL SYMBOL) ((D SYMBOL)))	0000700
(FUNCTION (FCORMALIZE SYMBOL) ((V SYMBOL) (D SYMBOL)))	0000800
(FUNCTION (VNAMER SYMBOL) ((N SYMBOL)))	0000900
(FUNCTION (LAPI NOVALUE) ((MODE SYMBOL) (PDK INTEGER)))	0001000
(RCUTINE (LAPPUSH1 NOVALUE) ((N INTEGER)))	0001100
(RCUTINE (LAPPCP1 NOVALUE) ((N INTEGER)))	0001200
(RCUTINE (NUMADDR BCCLEAN) ((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 (LAPADR NOVALUE) ((X SYMBOL) (P BCCLEAN)))	0001800
(FUNCTION (LAPABSADDR INTEGER) ((X SYMBOL)))	0001900
(FUNCTION (LAPADD1 BCCLEAN) ((X SYMBOL) (P BCCLEAN)))	0002000
(FUNCTION (LAPTAG NOVALUE) ((X SYMBOL)))	0002100
(FUNCTION (BYTMD SYMBOL) ((L SYMBOL)))	0002200
(FUNCTION (APMCD SYMBOL) ((P OCTAL) (A SYMBOL)))	0002300
(FUNCTION (LAPPUSH NOVALUE) ((N INTEGER) (B OCTAL)))	0002400
(RCUTINE (LAPPCP 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 (BPADDR OCTAL)	0003000
((C INTEGER) (M SYMBOL) (A INTEGER) (H SYMBOL)))	0003100
(RCUTINE (BPLOC INTEGER) ((C INTEGER)))	0003200
(FUNCTION (REWORD NOVALUE) ((C OCTAL) (R INTEGER) (Y SYMBOL)))	0003300
(FUNCTION (NDUP 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 (PRINCOCT NOVALUE) ((C OCTAL) (I INTEGER)))	0004100
(LAPINIT (SECTION (PCODE 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
(DVD 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 OCTAL CWN 224Q13)	C006500
(LDL OCTAL CWN 23Q14)	C006600
(LLC OCTAL CWN 234Q13)	C006700
(FAD OCTAL CWN 3Q15)	C006800
(FAM OCTAL CWN 304Q13)	C006900
(FSB OCTAL CWN 31Q14)	C007000
(FSM OCTAL CWN 314Q13)	C007100
(FLT OCTAL CWN 32Q14)	C007200
(FRN OCTAL CWN 324Q13)	C007300
(FMP OCTAL CWN 33Q14)	C007400
(FDV OCTAL CWN 334Q13)	C007500
(CAS OCTAL CWN 4Q15)	C007600
(INS OCTAL CWN 404Q13)	C007700
(COM OCTAL CWN 41Q14)	C007800
(TST OCTAL CWN 414Q13)	C007900
(LDX OCTAL 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 OCTAL CWN 431274Q10)	C008700
(LDS OCTAL CWN 434Q13)	C008800
(STS OCTAL CWN 44Q14)	C008900
(LDI OCTAL CWN 444Q13)	C009000
(STA OCTAL CWN 5Q15)	C009100
(STB OCTAL CWN 504Q13)	C009200
(STL OCTAL CWN 51Q14)	C009300
(STP OCTAL CWN 514Q13)	C009400
(STX OCTAL CWN 52Q14)	C009500
(ECH OCTAL CWN 524Q13)	C009600
(AOR 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 OCTAL CWN 6Q15)	C010200
(BNZP OCTAL CWN 601Q13)	C010300
(BOZM OCTAL CWN 6001Q12)	C010400
(BNZM OCTAL CWN 6011Q12)	C010500
(BSN OCTAL CWN 604Q13)	C010600
(BSG OCTAL CWN 61Q14)	C010700
(BOP OCTAL CWN 61000177Q8)	C010800
(BOM OCTAL 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 OCTAL CWN 76Q14))	C011600
(SECTION MDCODE SYMBOL)	C011700
(DECLARE (A OCTAL 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 ((LAPSTOP . 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
(ORIGIN BOOLEAN FLUID)	0013600
(ORGMODE 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 (SETFC 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
(ORIGIN BOOLEAN FLUID)	0017800
(ORGMODE 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)	CO19000
(HM SYMBOL FLUID)	CO19100
(HR INTEGER FLUID)	CO19200
(TAG INTEGER FLUID)	CO19300
(LG SYMBOL FLUID)	CO19400
(IT SYMBOL FLUID)	0019500
(ERRS BOOLEAN FLUID)	CO19600
(FD SYMBOL)	CO19700
(A SYMBOL) (D SYMBOL) (I INTEGER) (J INTEGER) (PATCH BOOLEAN))	CO19800
(SET DLIST (MAPCAR DLIST FREEDECL))	CO19900
(IF (EQ (CAR LISTING) (QUOTE PATCH))	CO20000
(GO B) (EQ (CAR LISTING) (QUOTE ROUTINE)) (SET ROUT TRUE))	CO20100
(SET FNAME (VNAMER (CAADR LISTING)))	CO20200
(SET FSEC (CDR FNAME))	CO20300
(SET D (CADDR LISTING))	CO20400
(SET A (LIST (CAR LISTING)	CO20500
(FORMALIZE (CADADR LISTING) D) (QUOTE VALUE)))	CO20600
(SET FD (FREEDECL (CONS FNAME A)))	CO20700
(SET FDESC (FREEDECL (CONS (CONS (GENID) (QUOTE TEMP)) A)))	CO20800
(SET FNAME (CAR FNAME))	CO20900
(IF (NULL FD) (GO ERRS))	CO21000
(SET FSIZ (PLUS FPP (SET ILC 1)))	CO21100
(SET LG (CADDR LISTING))	CO21200
(GO LAPI)	CO21300
B (SET FNAME (QUOTE PATCH))	CO21400
(SET ILC (SET FSIZ FPP))	CO21500
(SET ORIGIN (SET ORGMODE (SET PATCH TRUE)))	CO21600
(SET LG (CDR LISTING))	CO21700
LAPI (SET PDMAX 1)	CO21800
(SET RLC (SET PDC (SET PDMIN 0)))	CO21900
(IF D (SET PDC 1))	CO22000
(LAPI (QUOTE END) 0)	CO22100
J (LAPI NIL 0)	CO22200
(IF LG (GO J) ERRS (GO ERRS) (NCT PATCH) (VREFCT FDESC 1))	CO22300
(IF (NCT ORIGIN) (GO C) (NCT ORGMODE) (SET ILC FSIZ))	CO22400
(SET FSIZ (PLUS ILC RLC (MINUS FPP)))	CO22500
(SET ORGMODE TRUE)	CO22600
(SET RLC ILC)	CO22700
(SET J (SET ILC FPP))	CO22800
(IF PATCH (GO E) (GO D))	CO22900
C (SET FSIZ (PLUS ILC RLC))	CO23000
(SET I (IQUOTIENT (PLUS FSIZ 23) 24))	CO23100
(SET FSIZ (PLUS FSIZ I))	CO23200
(SET J (GETBPS FSIZ))	CO23300
(FOR I (STEP I -1 EQ 0) (SET (CCRE (PLUS J FSIZ (MINUS I))) OQ))	CO23400
(SET RLC ILC)	CO23500
(SET ILC 0)	CO23600
D (SETFD FDESC J)	CO23700
(BPINST 40CCCC0001Q6 FSIZ (QUOTE A) (S20. FDESC) (QUOTE F))	CO23800
(PRINCCM NIL 0)	CO23900
(SET LG (CADDR LISTING))	CO24000
(SET MAPS (LIST (CONS 0 (PLUS ILC -1)) (CONS -1 (PLUS ILC -1))))	CO24100
(GO LAP2)	CO24200
E (SET LG (CDR LISTING))	CO24300
(SET MAPS (QUOTE ((0 . 4002Q1) (-1 . 0))))	CO24400
LAP2 (SET PDC (MINUS (LENGTH D)))	CO24500
(SET ALIST (SET FL NIL))	CO24600
(LAPDECLARE D)	CO24700
(IF PDMAP (SET (CDR PDMAP) NIL))	CO24800
(SET PDMIN 0)	CO24900
(LAP2 (QUOTE END) 0)	CO25000
K (LAP2 NIL 0)	CO25100
(IF LG (GO K))	CO25200

(IF PATCH (GC R)	0025300
ERRS (BLOCK NIL (EXCISF FDESC) (GC ERRS))	0025400
(AND LAPSTOP (NQ FSEC (QUOTE RUN)))	0025500
(SET LAPSTL (CONS (CONS FD FDESC) LAPSTL))	0025600
(FTRANS (CCNS FD FDESC))	0025700
R (RETURN (CCNS FNAME FSEC))	0025800
ERRS (SET (ERRFLG . SUPV) TRUE) (GC R)))	0025900
(LAPDECLARE (FUNCTION (LAPDECLARE NVALUE)	0026000
((D SYMBOL))	0026100
(BLOCK ((V SYMBOL) (DT SYMBOL) (DF SYMBOL) (DL SYMBOL))	0026200
A (IF (NULL D) (GO EXIT))	0026300
(SET V (CAR D))	0026400
(SET D (CDR D))	0026500
(SET DT (CADR V))	0026600
(SET DF (OR (MEMBER (QUOTE FREE) (CDDR V))	0026700
(MEMBER (QUOTE FLUID) (CDDR V))))	0026800
(SET DL (MEMBER (QUOTE LOC) (CDDR V)))	0026900
(SET V (CAR V))	0027000
(IF (AND (ATOM V) (NOT DF)) (GC C))	0027100
(SET V (VNAMER V))	0027200
(MAKEFREE (CAR V))	0027300
(CDR V) (QUOTE STET) DT (IF DL (QUOTE LOC) (QUOTE VALUE)))	0027400
(SET DF (IF DL (QUOTE (LOC)) (QUOTE (FLUID))))	0027500
C (LAPPUSH 1 (IF (OR DL (EQ DT (QUOTE SYMBOL))	0027600
(NOT (ATOM DT))) 1Q 0Q))	0027700
(IF (EQ PDC 0) (SET PDC 1))	0027800
(SET ALIST (CONS (CCNS V PDC DF) ALIST)) (GO A) EXIT))	0027900
(FUNCTION (FREEDECL SYMBOL)	0028000
((D SYMBOL))	0028100
(BLOCK ((N SYMBOL))	0028200
(SET N (VNAMER (CAR D)))	0028300
(RETURN (MAKEFREE (CAR N))	0028400
(CDR N)	0028500
(IF (OR (EQ (CADR D) (QUOTE FREE))	0028600
(EQ (CADR D) (QUOTE FLUID))) (QUOTE STET) (CADR D))	0028700
(CADDR D)	0028800
(IF (MEMBER (QUOTE LOC) (CDDR D))	0028900
(QUOTE LOC) (QUOTE VALUE))))))	0029000
(FUNCTION (FORMALIZE SYMBOL)	0029100
((V SYMBOL) (D SYMBOL))	0029200
(CONS (QUOTE FUNCTIONAL)	0029300
V (MAPCAR D (FUNCTION ((G02446 . G02447) SYMBOL)	0029400
((J SYMBOL))	0029500
(IF (MEMBER (QUOTE LOC) (CDDR J))	0029600
(LIST (FTYPER (CADR J)) (QUOTE LOC)) (FTYPER (CADR J))))))	0029700
(FUNCTION (VNAMER SYMBOL)	0029800
((N SYMBOL)) (IF (ATOM N) (CONS N SNAME) N)))	0029900
(LAPI (FUNCTION (LAPI NVALUE)	0030000
((MODE SYMBOL) (PDK INTEGER))	0030100
(BLOCK ((CP SYMBOL) (X SYMBOL) (L SYMBOL))	0030200
A (IF (NULL LG)	0030300
(GO E)	0030400
(AND (NOT (ATOM (CAR LG))) (EQ (CAAR LG) (QUOTE DITTO)))	0030500
(GO DITTO))	0030600
(SET IT (CAR LG))	0030700
(SET LG (CDR LG))	0030800
V (IF (NOT (ATOM IT))	0030900
(GO B)	0031000
(OR (IDP IT) (FIXP IT)) (GO LABEL) IT (LAPNIX (QUOTE ITEM)))	0031100
(GO A)	0031200
LABEL (SET U (FIND IT LABELS))	0031300
(IF U (LAPNIX (QUOTE (MULTIPLE LABEL))))	0031400
(SET LABELS (CONS (CONS IT ILC) LABELS)))	0031500

(GO A)	C031600
B (SET CP (CAR IT))	C031700
(SET X (CDR IT))	C031800
(SET U (FINDN CP (QUOTE ((ORG . 0)	C031900
(ENTRY . 0)	C032000
(BEGIN . 2)	C032100
(RETURN . 1)	C032200
(BLOCK . 0)	C032300
(DECLARE . 0)	C032400
(END . 0)	C032500
(ARGS . 0)	C032600
(CALL . 2)	C032700
(CALL1 . 1)	C032800
(CALL2 . 1)	C032900
(FLBIND . 1)	C033000
(PUSHA . 0) (PUSHP . 0) (POP . 0) (COMMENT . 0))))	C033100
(IF (NULL U)	C033200
(GO C)	C033300
(AND (EQ CP (QUOTE BEGIN)) ROUT) (SET U (QUOTE (BEGIN . 1))))	C033400
(SET ILC (PLUS ILC (CDR U)))	C033500
(IF (EQ CP (QUOTE ORG))	C033600
(GO ORG)	C033700
(EQ CP (QUOTE BLOCK))	C033800
(GO BLOCK)	C033900
(EQ CP (QUOTE DECLARE))	C034000
(GO DECLARE)	C034100
(EQ CP (QUOTE END))	C034200
(GO END)	C034300
(EQ CP (QUOTE ARGS))	C034400
(GO ARGS)	C034500
(EQ CP (QUOTE CALL))	C034600
(GO CALL)	C034700
(EQ CP (QUOTE CALL2))	C034800
(GO CALL2)	C034900
(EQ CP (QUOTE CALL1))	C035000
(GO CALL1)	C035100
(EQ CP (QUOTE FLBIND))	C035200
(GO FLBIND)	C035300
(EQ CP (QUOTE PUSHA.))	C035400
(GO PUSHA.)	C035500
(EQ CP (QUOTE PUSHP.))	C035600
(GO PUSHP.) (EQ CP (QUOTE POP.)) (GO POP.))	C035700
(GO A)	C035800
C (IF (NULL X)	C035900
(GO D)	C036000
(OR (EQ (CAR X) (QUOTE PUSHP.)) (EQ (CAR X) (QUOTE PUSHA.)))	C036100
(LAPPLSH1 1)	C036200
(EQ (CAR X) (QUOTE POP.))	C036300
(LAPPCP1 1) (NUMADDR (CAR X)) (SET RLC (PLUS RLC 1)))	C036400
(IF (AND (CDR X) (CDDR X) (NUMADDR (CADDR X)))	C036500
(SET RLC (PLUS RLC 1)))	C036600
D (SET ILC (PLUS ILC 1))	C036700
(GO A)	C036800
DITTC (IF (EQ (CADAR LG) 0) (GO W))	C036900
(SET LG (CCNS (LIST (QUOTE DITTC) (PLUS (CADAR LG) -1))	C037000
(CDR LG)))	C037100
(GO V)	C037200
W (SET LG (CDR LG))	C037300
(GO A)	C037400
CRG (SET ORIGIN TRUE)	C037500
(IF ORGMODE (SET FSIZ ILC))	C037600
(SET ORGMODE (CR (NULL X) (NULL (CAR X))))	C037700
(SET ILC (IF ORGMODE FSIZ (LAPABSADDR (CAR X))))	C037800

(GO A)	0037900
BLOCK (BLOCK ((FL SYMBOL FLUID)) (LAP1 (QUOTE DECLARE) PLC))	0038000
(GO A)	0038100
DECLARE (LAPPOP1 (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
(LAPPOP1 (DIFFERENCE PDC PDK))	0039000
(GO EXIT)	0039100
ARGS (BLOCK ((FL SYMBOL FLUID)) (LAP1 (QUOTE CALL) PDC))	0039200
(GO A)	0039300
CALL CALL2 (IF (ROUTP (CAR X))	0039400
(SET ILC (PLUS ILC -1))	0039500
(BLOCK NIL (IF ROUT (LAPNIX (QUOTE (FUNCTION CALL))))	0039600
(SET RLC (PLUS RLC (TIMES (MAX 0 (QUOTIENT (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) (GO A))	0040200
(SET U (LENGTH X))	0040300
(SET ILC (PLUS ILC U))	0040400
(LAPPUSH1 U)	0040500
(SET FL (CCNS NIL FL))	0040600
(GO A)	0040700
PUSHA. PUSHP. (LAPPUSH1 (CAR X))	0040800
(GO A)	0040900
POP. (LAPPOP1 (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
(ROUTINE (LAPPUSH1 NOVALUE)	0041500
((N INTEGER))	0041600
(BLOCK NIL (SET PDC (PLUS PDC N)) (SET PDMAX (MAX PDMAX PDC))))	0041700
(ROUTINE (LAPPOP1 NOVALUE)	0041800
((N INTEGER))	0041900
(BLOCK NIL (SET PDC (DIFFERENCE PDC N))	0042000
(SET PDMIN (MIN PDMIN PDC)))	0042100
(ROUTINE (NUMADDR BGCLEAN)	0042200
((X SYMBOL)) (AND (NCT (ATOM X)) (EQ (CAR X) (QUOTE NUMBER))))	0042300
(FUNCTION (ROUTP SYMBOL)	0042400
((V SYMBOL))	0042500
(BLOCK NIL (SET V (VNAMER V))	0042600
(IF (SET V (GETFREE (CAR V) (CDR V)))	0042700
(RETURN (EQ (FVKIND V) (QUOTE ROUTINE))))))	0042800
(LAP2 (FUNCTION (LAP2 NOVALUE)	0042900
((MODE SYMBOL) (PDK INTEGER))	0043000
(BLOCK ((CT SYMBOL)	0043100
(OP SYMBOL)	0043200
(OPV CXTAL)	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 (CDR LG))	0043800
(GO M)	0043900
K (SET CT NIL)	0044000
L (SET X (CAR L))	0044100

(SET L (CDR L))	0044200
M (IF (NOT (ATOM 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 OP (CAR IT))	0044700
(SET X (CDR IT))	0044800
(IF (EQ OP (QUOTE ORG))	0044900
(GO ORG)	0045000
(EQ OP (QUOTE ENTRY))	0045100
(GO ENTRY)	0045200
(EQ OP (QUOTE BEGIN))	0045300
(GO BEGIN)	0045400
(EQ OP (QUOTE RETURN))	0045500
(GO RETURN)	0045600
(EQ OP (QUOTE BLOCK))	0045700
(GO BLOCK)	0045800
(EQ OP (QUOTE DECLARE))	0045900
(GO DECLARE)	0046000
(EQ OP (QUOTE END))	0046100
(GO END)	0046200
(EQ OP (QUOTE ARGS))	0046300
(GO ARGS)	0046400
(EQ OP (QUOTE CALL))	0046500
(GO CALL)	0046600
(EQ OP (QUOTE CALL1))	0046700
(GO CALL1)	0046800
(EQ OP (QUOTE CALL2))	0046900
(GO CALL2)	0047000
(EQ OP (QUOTE FLBIND))	0047100
(GO FLBIND)	0047200
(EQ OP (QUOTE PUSHA.))	0047300
(GO PUSHA.)	0047400
(EQ OP (QUOTE PUSHP.))	0047500
(GO PUSHP.)	0047600
(EQ OP (QUOTE POP.))	0047700
(GO POP.) (EQ OP (QUOTE COMMENT)) (GO COMMENT))	0047800
C (SET OPV (IF (NUMBP OP)	0047900
OP (SET U (GETFREE OP (QUOTE CPCODE)))	0048000
(FLVAL U) (BLOCK NIL (LAPNIX (QUOTE OPCODE)) (RETURN OC))))	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
(BPIINST OPV HA HM RA RM)	0049600
(GO P)	0049700
DITTO (IF (EQ (CADR X) 0) (GO C))	0049800
(SET L (CONS IT (LIST (QUOTE DITTO) (PLUS (CADR X) -1)) L))	0049900
(GO L)	0050000
ORG (SET ORGMCDE (OR (NULL X) (NULL (CAR X))))	0050100
(SET ILC (IF ORGMCDE FPP (BLOCK NIL (LAPABSADDR (CAR X))	0050200
(RETURN HA))))	0050300
(GO Q)	0050400

ENTRY (LAPABSACDR (CADR X))	0050500
(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 C)	0050900
BEGIN (SET IT (QUOTE (STP 0 8)))	0051000
(IF ROUT (GC B))	0051100
(SET L (CONS (IF (LS PDMAX 25)	0051200
(QUOTE (XEC (ENTRY PDOK1)))	0051300
(APPEND (QUOTE (BPX (ENTRY PDOK) 8)) (LIST PDMAX))) L))	0051400
(GO B)	0051500
RETURN (SET IT (IF ROUT (QUOTE (BUC (ENTRY ROUT)))	0051600
(QUOTE (BUC (ENTRY RETURN)))))	0051700
(GO B)	0051800
BLOCK (PRINCCM CT 31)	0051900
(BLOCK ((ALIST SYMBOL FLUID ALIST) (FL SYMBOL FLUID NIL))	0052000
(LAP2 (QUOTE DECLARE) PDC))	0052100
(GO A)	0052200
DECLARE (LAPPCP (DIFFERENCE PDC PDK))	0052300
(LAPDECLARE X)	0052400
(IF (EQ MODE (QUOTE DECLARE))	0052500
(SET MODE (QUOTE END)) (LAPNIX (QUOTE (DECLARE MISPLACED))))	0052600
(PRINCCM CT 3)	0052700
(GO A)	0052800
END (IF FL (GO FLRESTS)	0052900
(NOT (EQ MODE (QUOTE END))) (LAPNIX (QUOTE (END MISPLACED))))	0053000
(IF CT (PRINCCM CT 31))	0053100
(LAPPCP (DIFFERENCE PDC PDK))	0053200
(GO EXIT)	0053300
FLRESTS (SET L (APPEND (FLRESTS) (CONS IT L)))	0053400
(GO L)	0053500
ARGS (PRINCCM CT 31)	0053600
(BLOCK ((FL SYMBOL FLUID)) (LAP2 (QUOTE CALL) PDC))	0053700
(GO A)	0053800
CALL (IF (ROUTP (CAR X))	0053900
(BLOCK NIL (SET IT (CONS (QUOTE CALL1) X)) (GO B)))	0054000
(SET L (CONS (QUOTE (CALL2)) L))	0054100
(GO G)	0054200
CALL1 CALL2 (IF (NOT (EQ MODE (QUOTE CALL)))	0054300
(BLOCK NIL (IF (NULL L) (SET L (QUOTE (NIL))))	0054400
(LAPNIX (QUOTE (MISPLACED CALL))))	0054500
(BLOCK NIL (SET MODE (QUOTE END))	0054600
(SET L (CONS (QUOTE (END)) L))))	0054700
(IF (EQ CP (QUOTE CALL1)) (GO G))	0054800
(LAPCALL2)	0054900
(PRINCCM NIL 0)	0055000
(GO L)	0055100
G (SET IT (SUBST (CAR X) (QUOTE W) (QUOTE (BPX W (8 I) PLS.))))	0055200
(GO B)	0055300
FLBIND (SET L (APPEND (IF X (FLBIND X) (QUOTE (NIL))) L))	0055400
(GO L)	0055500
PUSHA. (LAPPLSH (CAR X) 0Q)	0055600
(GO P)	0055700
PUSHP. (LAPPUSH (CAR X) 1Q)	0055800
(GO P)	0055900
POP. (LAPPCP (CAR X))	0056000
(GO P)	0056100
COMMENT (GC P)	0056200
P (PRINCCM CT 7)	0056300
(GO A)	0056400
C (IF CT (PRINCCM CT 31))	0056500
(GO A)	0056600
E (SET IT NIL)	0056700

(IF (NULL MCDE) (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 (CONS (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 IQ14)) V O (MINUS (CADR U)))	C057800
(BLOCK NIL (LAPNIX (LIST V)) (RETURN (QUOTE (O)))) M))	C057900
B (SET CP CQ)	C058000
(IF (SET L (CDR L)) (GO A))	C058100
(RETURN (CONS (QUOTE (BSX (ENTRY FLBIND) 3 TOP.))	C058200
(LIST (QUOTE (PUSHP.) N) M))	C058300
E (LAPNIX V) (SET M (CONS (QUOTE (O)) 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 ECCLEAN))	C059300
(BLOCK ((HR INTEGER) (U SYMBOL))	C059400
(SET HA (SET HR O))	C059500
(SET HM NIL)	C059600
X (IF (NULL X)	C059700
(GO EXIT)	C059800
(LAPADD1 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 QUOTE)	C061000
(EQ (CAR X) (QUOTE ID))	C061100
(GO ID) (EQ (CAR X) (QUOTE LAP)) (GO LAP))	C061200
SUM (IF (NCT (LAPADD1 (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 O))	C061600
(SET HM (QUOTE A))	C061700
(EQ HR 1) (SET HM (QUOTE R)) (LAPNIX (QUOTE RELOCATION)))	C061800
(GO EXIT)	C061900
B (IF (EQ X (QUOTE (PUSHA.))	C062000
(LAPPUSH 1 CQ)	C062100
(EQ X (QUOTE (PUSHP.))	C062200
(LAPPLUSH 1 IQ) (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 PDP.)) (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 (QUOTE A))	0063200
(GO EXIT)	0063300
V6 (IF (NULL (SET U (FIND X APLIST))) (GO V3) P (SET TAG 7))	0063400
(GO V5)	0063500
V2 V3 (SET X (VNAMER X))	0063600
(SET U (CDR X))	0063700
(SET X (CAR X))	0063800
V4 (IF (NULL (SET U (LAPFREE X U)))	0063900
(BLOCK NIL (LAPNIX (QUOTE VARIABLE)) (GO EXIT)))	0064000
(SET HA (S2C. U))	0064100
(SET HM (QUOTE F))	0064200
(GO EXIT)	0064300
NUMBER (SET HA RLC)	0064400
(SET HM (QUOTE R))	0064500
(REMWORD (IF (FIXP (CADR X))	0064600
(I2C. (CADR X)) (R2C. (CADR X))) 0 NIL)	0064700
(GO EXIT)	0064800
QUOTE (SET HA (S2C. (MAKEQUOTE (CADR X))))	0064900
(SET HM (QUOTE F))	0065000
(GO EXIT)	0065100
ID (SET HA (S2C. (LAPID (CADR X))))	0065200
(SET HM (QUOTE S))	0065300
(GO EXIT)	0065400
LAP (SET X (BLOCK ((APLIST SYMBOL FREE ALIST))	0065500
(RETURN (LAPP (CADR X) (CADDR X) (CADDRR X)))) (GO X) EXIT))	0065600
(FUNCTION (LAPABSADDR INTEGER)	0065700
((X SYMBOL))	0065800
(BLOCK NIL (LAPADDR X NIL)	0065900
(IF (OR (EQ HM (QUOTE R)) (EQ HM (QUOTE F)) (EQ HM (QUOTE S)))	0066000
(LAPNIX (QUOTE (ABS ADDRESS))) (RETURN HA)))	0066100
(FUNCTION (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 (QUOTE A.))	0066700
(SET V 777621C)	0066800
(EQ X (QUOTE Z.))	0066900
(SET V 7776Q2)	0067000
(EQ X (QUOTE B.))	0067100
(SET V 777622C)	0067200
(EQ X (QUOTE L.))	0067300
(SET V 777745C)	0067400
(EQ X (QUOTE PDS.))	0067500
(SET V (PLUS PDC 1))	0067600
(EQ X (QUOTE TOP.))	0067700
(BLOCK NIL (IF P (SET TAG 8)) (SET V (MINUS PDC)))	0067800
(EQ X (QUOTE D.))	0067900
(BLOCK NIL (SET R 1) (SET V ILC))	0068000
(EQ X (QUOTE CRG.))	0068100
(SET R 1)	0068200
(ATOM X)	0068300
(RETURN NIL)	0068400
(EQ (CAR X) (QUOTE LABEL))	0068500
(BLOCK ((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

(EQ (CAR X) (QUOTE MINUS)) (GO 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 TRLE) M (SET S (NOT S)) (SET X (CADR X)) (GO A)))	0069800
(FUNCTION (LAPTAG NOVALUE)	0069900
((X SYMBOL))	0070000
(BLOCK ((U SYMBOL) (V SYMBOL))	0070100
(IF (NULL X) (RETURN NIL) (ATOM X) (GO A))	0070200
(SET U (CDR X))	0070300
(SET X (CAR X))	0070400
A (SET TAG (PLUS TAG (IF (FIXP X)	0070500
X (SET V (GETFREE X (QUOTE MCCCCDE)))	0070600
(FLVAL V)	0070700
(SET V (BYTMD (EXPLODE X)))	0070800
V (BLOCK NIL (LAPNIX (QUOTE TAG)) (RETURN OQ))))))	0070900
(IF (NULL U) (GO EXIT))	0071000
(SET X (CAR U)) (SET U (CDR U)) (GO A) EXIT))	0071100
(FUNCTION (BYTMD SYMBOL)	0071200
((L SYMBOL))	0071300
(BLOCK ((X SYMBOL)	0071400
(C SYMBOL) (LF SYMBOL) (RT SYMBOL) (I INTEGER))	0071500
(IF (OR (EQ (SET C (CAR L)) (QUOTE 'L)) (EQ C (QUOTE 'S)))	0071600
(SET L (CDR L)) (RETURN NIL))	0071700
A (IF (NULL L)	0071800
(GO COMP)	0071900
(SET X (FIND (CAR L)	0072000
(QUOTE (('0 . 0Q)	0072100
('1 . 1Q)	0072200
('2 . 2Q)	0072300
('3 . 3Q) ('4 . 4Q) ('5 . 5Q) ('6 . 6Q) ('7 . 7Q))))))	0072400
(SET RT (CCNS (CDR X) RT))	0072500
(NOT (EQ (CAR L) (QUOTE 'L)))	0072600
(RETURN NIL) (BLOCK NIL (SET LF RT) (SET RT NIL)))	0072700
(SET L (CDR L))	0072800
(GO A)	0072900
COMP (IF (NOT RT)	0073000
(RETURN NIL)	0073100
(NOT LF)	0073200
(RETURN (APMOD OQ RT)) (NOT (EQ C (QUOTE 'S))) (GO C2))	0073300
(SET C LF)	0073400
(SET LF RT)	0073500
(SET RT C)	0073600
C2 (IF (LS (SET I (DIFFERENCE (CAR LF) (CAR RT))) 0)	0073700
(SET I (PLUS 8 I)))	0073800
(IF (GO (LENGTH LF) (LENGTH RT)) (RETURN (APMOD I LF)))	0073900
(SET LF NIL)	0074000
B (IF (NULL RT) (RETURN (APMOD I LF)))	0074100
(SET LF (CCNS (WORDAND 7Q (PLUS I (CAR RT))) LF))	0074200
(SET RT (CDR RT)) (GO B)))	0074300
(FUNCTION (APMOD SYMBOL)	0074400
((P OCTAL) (A SYMBOL))	0074500
(BLOCK ((X OCTAL))	0074600
(SET X (WORDCOR (SHIFT P 18) 377Q2))	0074700
A (IF (NULL A) (RETURN X))	0074800
(SET X (WORDXOR X (SHIFT 2Q4 (MINUS (CAR A))))))	0074900
(SET A (CDR A)) (GO A)))	0075000
(PCMAP (FUNCTION (LAPPUSH NOVALUE)	0075100
((N INTEGER) (B OCTAL))	0075200
(BLOCK NIL (SET PDC (PLUS PDC N))	0075300
(SET PCMAP (NCCNC (NDUP N B) PCMAP))))	0075400
(ROUTINE (LAPPCP NOVALUE)	0075500
((N INTEGER))	0075600

(BLOCK NIL (SET PDC (DIFFERENCE PDC N))	C075700
(SET PDMIN (MIN PDMIN PDC)) (SET PDCMAP (NOFF N PDCMAP)))	C075800
(FUNCTION (LAPCALL2 NOVALUE)	C075900
NIL (BLOCK ((C INTEGER)	C076000
(M SYMBOL) (H OCTAL) (L SYMBOL) (I INTEGER))	C076100
(SET C PDC)	C076200
(SET M PDCMAP)	C076300
A (SET H OQ)	C076400
(SET I 23)	C076500
B (IF (NULL M) (GO C))	C076600
(SET H (WORDCR H (SHIFT (CAR M) I)))	C076700
(SET M (CDR M))	C076800
(IF (EQ I 0) (GO C))	C076900
(SET I (PLUS I -1))	C077000
(GO B)	C077100
C (SET L (CCNS (CONS C H) L))	C077200
(SET C (MAX (DIFFERENCE C 24) 0))	C077300
(IF (GR C PDMIN) (GO A))	C077400
D (IF (LS (CAADR MAPS) C) (GO CC))	C077500
(SET MAPS (CDR MAPS))	C077600
(GO D)	C077700
CD (SET (CAAR MAPS) (MIN (CAAR MAPS) PDMIN))	C077800
(SET PDMIN PDC)	C077900
E (SET I (CDAR MAPS))	C078000
(SET M (CAR L))	C078100
(SET L (CDR L))	C078200
(IF (NULL L) (GO R))	C078300
(REMWORD (SHIFT (PLUS (CAR M) 1) 24) 0 (QUOTE R))	C078400
(SET MAPS (CONS (CONS (CAR M) RLC) MAPS))	C078500
(REMWORD (SHIFT (CDR M) 24) 1 (QUOTE R))	C078600
(GO E)	C078700
R (SET MAPS (CONS (CONS (CAR M) ILC) MAPS))	C078800
(BPINSTR (SHIFT (CDR M) 24) 1 (QUOTE R))))	C078900
(BPGEN (FUNCTION (BPINSTR NOVALUE)	C079000
((C OCTAL) (R INTEGER) (Y SYMBOL)) (BPINST C 0 NIL R Y))	C079100
(FUNCTION (BPINST NOVALUE)	C079200
((C OCTAL) (L INTEGER) (X SYMBOL) (R INTEGER) (Y SYMBOL))	C079300
(BLOCK ((FL SYMBOL FLUID))	C079400
(SET C (WORDCR C (SHIFT (BPADDR L X ILC (QUOTE L)) 24)	C079500
(BPADDR R Y ILC (QUOTE R))))	C079600
(SET R (BPLCC ILC))	C079700
(SET (CORE R) C)	C079800
(SET ILC (PLUS ILC 1))	C079900
(IF ORGMODE (SET FPP (PLUS FPP 1)))	C080000
(IF OUTLAP (BLOCK ((S SYMBOL (OUTPUT OUTLAP)))	C080100
(PRINOCCT R 6) (BLANKS 2) (PRINCCT C 16) (OUTPLT S)))	C080200
(IF FL (LAPNIX (QUOTE RELOC))))	C080300
(RCUTINE (BPADDR OCTAL)	C080400
((C INTEGER) (M SYMBOL) (A INTEGER) (H SYMBOL))	C080500
(BLOCK ((C INTEGER))	C080600
(IF (NULL M) (RETURN OQ) (EQ M (QUOTE A)) (GO R) ORIGIN (GO A))	C080700
(SET U (PLUS (BPLOC FSIZ) (MINUS (IQUOTIENT A 24)) -1))	C080800
(SET (CORE U)	C080900
(WORDCR (CORE U)	C081000
(SHIFT (IF (EQ H (QUOTE L)) 4Q15 2Q15)	C081100
(TIMES -2 (REMAINDER A 24))))	C081200
A (IF (EQ M (QUOTE F))	C081300
(SET C (PLUS C -1))	C081400
(AND (EQ M (QUOTE R))	C081500
(OR CRIGIN (AND (NOT (LS C 0)) (LS C FSIZ))))	C081600
(SET C (BPLCC C)) (NOT (EQ M (QUOTE S))) (SET FL TRUE))	C081700
R (RETURN (BIT 0 18 C)))	C081800
(RCUTINE (BPLCC INTEGER)	C081900

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((C INTEGER))
(IF ORIGIN C FDESC (PLUS (BIT 0 18 (CORE (PLUS (S20. FDESC) -1)))
-1 C) 0))
(FUNCTION (REWORD NOVALUE)
((C OCTAL) (R INTEGER) (Y SYMBOL))
(BLOCK ((ILC INTEGER FLUID RLC))
(BPINSTR C R Y) (PRINCCM NIL 0) (SET RLC (PLUS RLC 1))))
(LAPLIB (FUNCTION (NDUP SYMBOL)
((N INTEGER) (X SYMBOL))
(BLOCK ((U SYMBOL))
A (IF (EQ N 0) (RETURN U))
(SET U (CONS X U)) (SET N (PLUS N -1)) (GO A)))
(FUNCTION (LAPNIX NOVALUE)
((M SYMBOL))
(BLOCK NIL (SET ERRS TRUE)
(MESSAGE (CONS (QUOTE UNDEFINED)
(APPEND (IF (ATOM M) (LIST M) M)
(APPEND (QUOTE (IN ITEM)) (LIST IT))))))
(MESSAGE (LIST (QUOTE LOCATION)
(I20. (BPLCC ILC)) (QUOTE FUNCTION) (CONS FNAME FSEC))))))
(LAPID (ROUTINE (LAPID SYMBOL)
((X SYMBOL))
(BLOCK NIL (IF (NOT (CHARP X))
(SET (BIT 24 18 (CORE (PLUS (S20. X) 1)))
(I20. (PLUS 1 (BIT 24 18 (CORE (PLUS (S20. X) 1))))))
(RETURN X)))
(ROUTINE (LAPFREE SYMBOL)
((N SYMBOL) (SN SYMBOL))
(BLOCK ((U SYMBOL (GETFREE N SN))
(IF (NULL U) (RETURN NIL))
(SET (BIT 0 18 (CORE (S20. U)))
(I20. (PLUS 1 (BIT 0 18 (CORE (S20. U)))))) (RETURN U)))
(FUNCTION ((LAPGC . SYS) SYMBOL)
NIL (BLOCK ((X SYMBOL (MAPCAR LAPSTL FTRANS)))
(SET LAPSTL NIL) (RETURN X)))
(FUNCTION (PRINCCM NOVALUE)
((M SYMBOL) (I INTEGER))
(BLOCK NIL (IF CUTLAP (BLOCK ((S SYMBOL (OUTPUT CUTLAP))
(BLANKS I) (IF M (PRINT M) (ENDOUT)) (OUTPUT S))))))
(FUNCTION (BLANKS NOVALUE)
((I INTEGER))
(BLOCK NIL (FOR I (STEP I -1 EQ 0) (PRINCH (QUOTE ' )))))
(FUNCTION (PRINOCT NOVALUE)
((C OCTAL) (I INTEGER))
(BLOCK NIL (FOR I (STEP I -1 EQ 0)
(PRINTOKEN (O2I. (BIT 0 3 (SHIFT C (TIMES -3 (PLUS I -1))))))))))
(INDEXER DEFINE (((INDEXER (LAMBDA (N L)
(TEDFILER (CONS N (MAPCON L (FUNCTION (LAMBDA (J)
(MAPCON (TEDSEEKER (CAR J))
(FUNCTION (LAMBDA (J)
(COND ((OR (ATOM (CAR J))
(NOT (MEMBER (CAAR J)
(QUOTE (SECTION ROUTINE FUNCTION)))))) NIL)
(T (LIST (CONS (CAAR J)
(CONS (CADAR J)
(COND ((NULL (CDDAR J)) NIL)
(T (LIST (CADDAR J))))))))))))))))))
****END OF FILE DETECTED

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(POSTCOMP (SECTION LAP SYMBOL)	C000100
(DECLARE (ENTRIES SYMBOL OWN ENTRIES))	C000200
(SECTION SYS OCTAL)	C000300
(DECLARE (FPC OWN FPO)	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
OWN (CCNS (QUOTE *SYMBOL)	C001700
(MAPCAR OBLIST (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
(CBLISZ INTEGER OWN CBLISZ) (TRL OWN))	C002200
****END OF FILE DETECTED	

(SECTION (SECTION (COMPILE SUPERVISOR SYSTEM) SYMBOL))	0000100
(HELP (DECLARE (LIST SYMBOL FLUID))	0000200
(SNAME SYMBOL FLUID)	0000300
(STYPE SYMBOL FLUID)	0000400
((DEBUG . LISP) BOOLEAN FLUID)	0000500
(FKIND SYMBOL FLUID)	0000600
(FORG SYMBOL FLUID)	0000700
(SCLASS SYMBOL FLUID)	0000800
(PCCLASS SYMBOL FLUID)	0000900
(TGO SYMBOL FLUID)	0001000
(FGO SYMBOL FLUID)	0001100
(XGO 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
(TERMIN 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
(VBLOT SYMBOL FLUID)	0003300
(XTYPE SYMBOL FLUID)	0003400
(XREG SYMBOL FLUID)	0003500
(XLOC SYMBOL FLUID)	0003600
(XBYTE SYMBOL FLUID)	0003700
(CV 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
(CRGP SYMBOL FLUID) (INSTRUCTION SYMBOL FLUID))	0004500
(FUNCTION (COMER2 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 (FKIND . COMPILE)) (DEBUG . LISP)))	0005600
(FUNCTION (ATTACH SYMBOL)	0005700
((L SYMBOL)) (SET LISTING (CONS L LISTING)))	0005800
(FUNCTION (ATTACHGO 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))))	0006400
(FUNCTION (ATTACHLAB SYMBOL)	0006500
((L SYMBOL)) (BLOCK NIL (ATTACH L) (SET LABELS (CONS L LABELS))))	0006600
(FUNCTION (REMCTE SYMBOL)	0006700
((L SYMBOL)) (SET REMCTES (CONS L REMOTES)))	0006800
(FUNCTION (BLCTTC SYMBOL)	0006900
NIL (SET VBLOT (QUOTE (AC L B X1 X2 X3 X4))))	0007000
(FUNCTION (BLCTCH SYMBOL)	0007100
((X SYMBOL))	0007200
(IF (MEMBER X VBLOT) NIL (SET VBLOT (CONS X VBLOT))))	0007300
(FUNCTION (UNION SYMBOL)	0007400
((A SYMBOL) (B SYMBOL))	0007500
(BLOCK NIL L (IF (NULL B)	0007600
(RETURN A) (NCT (MEMBER (CAR B) A)) (SET A (CONS (CAR B) A)))	0007700
(SET B (CDR B)) (GO L)))	0007800
(FUNCTION (FVTYPE SYMBOL)	0007900
((X SYMBOL))	0008000
(IF (NUMBP X)	0008100
(IF (FIXP X)	0008200
(IF (EQUALN X (WORDOR X OQ)) (QUOTE OCTAL) (QUOTE INTEGER))	0008300
(QUOTE REAL))	0008400
(MEMBER X (QUOTE (TRUE FALSE NIL)))	0008500
(QUOTE BOOLEAN) (QUOTE SYMBOL)))	0008600
(FUNCTION (LABELER SYMBOL) ((X SYMBOL)) (LIST (QUOTE LABEL) X))	0008700
(FUNCTION (GETN SYMBOL)	0008800
((L SYMBOL) (P SYMBOL))	0008900
(BLOCK NIL A (IF (NULL L)	0009000
(RETURN L) (EQUALN (CAR L) P) (RETURN (CADR L)))	0009100
(SET L (CDR L)) (GO A)))	0009200
(FUNCTION (ITYPE SYMBOL)	0009300
((J SYMBOL))	0009400
(IF (EQN J (QUOTE NUMBER))	0009500
C.O (EQN J (QUOTE OCTAL))	0009600
CQ (EQN J (QUOTE INTEGER))	0009700
C (EQN J (QUOTE REAL))	0009800
C.O (EQN J (QUOTE FUNCTIONAL)) (QUOTE (FMTRAP . SYS)) NIL)))	0009900
(TCPI (FUNCTION (GENID2 SYMBOL) NIL (GENID))	0010000
(DECLARE (INST1 SYMBOL FLUID)	0010100
(INST2 SYMBOL FLUID) (INST3 SYMBOL FLUID))	0010200
(FUNCTION (NEXLST SYMBOL)	0010300
NIL (BLOCK ((X SYMBOL))	0010400
(RETURN (IF (CADDR LISTING)	0010500
(IF (SET X (CAR LISTING))	0010600
(BLOCK NIL (SET LISTING (CDR LISTING)) (RETURN X))	0010700
(BLOCK NIL (SET LISTING (CDR LISTING))	0010800
(RETURN (NEXLST)))) NIL))))	0010900
(FUNCTION (REVLST SYMBOL)	0011000
NIL (BLOCK ((INST1 SYMBOL)	0011100
(INST2 SYMBOL) (INST3 SYMBOL) (LST SYMBOL))	0011200
(SET INST1 (CAR LISTING))	0011300
(SET INST2 (CADR LISTING))	0011400
(SET INST3 (CADDR LISTING))	0011500
(SET LISTING (CADDR LISTING))	0011600
A (OR (REVAOR) (REVBUC) (REVLDA) (REVSTZ) (REVWRD) (REVZER))	0011700
(IF INST1 (SET LST (CONS INST1 LST)))	0011800
(SET INST1 INST2)	0011900
(SET INST2 INST3)	0012000
(IF (SET INST3 (NEXLST)) (GO A))	0012100
(RETURN (NCCNC (NCCNC (REVERSE LISTING)	0012200
(LIST INST2 INST1)) LST))))	0012300
(FUNCTION (REVTST BOOLEAN)	0012400
((A SYMBOL) (B SYMBOL))	0012500
(AND (SIM (QUOTE (STF . S.)) A)	0012600


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

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(REMTES SYMBOL) (REFLIST SYMBOL) (VBLOT SYMBOL))	0019000
(FNDEC EXP)	0019100
(ATTACH (CAR EXP))	0019200
(ATTACH FN)	0019300
(FNBIND)	0019400
(CCMLCK 4)	0019500
(CCMVAL (IF (NULL XTYPE)	0019600
(LIST (QUOTE BLOCK) NIL EXPR) EXPR)	0019700
XTYPE (QUOTE VALUE) (QUOTE AC))	0019800
(IF FCRG (BLOCK NIL (SET (CDR ORGP)	0019900
(CCNS (CAR ORGP) (CDR ORGP))) (SET (CAR ORGP) FCRG)))	0020000
(ATTACH (QUOTE (END)))	0020100
(ATTACH (QUOTE (RETURN)))	0020200
(LSTLST REMOTES)	0020300
(RETURN (LIST (QUOTE LAP) (REVLST) REFLIST SNAME)))))))))	0020400
(FUNCTION (FNDEC SYMBOL)	0020500
((EXP SYMBOL))	0020600
(BLOCK ((FNA SYMBOL (FNAMER)))	0020700
(RETURN (BLOCK ((FNAME SYMBOL (CAR FNA)))	0020800
(RETURN (BLOCK ((LISTING SYMBOL)	0020900
(ALIST SYMBOL)	0021000
(REFLIST SYMBOL)	0021100
(FTLIST SYMBOL) (ORGP SYMBOL) (VBLOT SYMBOL))	0021200
(FNBIND)	0021300
(MAKEFREE (CAR FNAME)	0021400
(CDR FNAME)	0021500
(CAR EXP)	0021600
(CONS (QUOTE FUNCTIONAL) (CADR FNA) (REVERSE FTLIST))	0021700
(QUOTE VALUE)) (RETURN FNAME))))))	0021800
(FUNCTION (MAKEFREE . COMPIL)	0021900
(A B C D E) ((KEEPER . SUPV) ((MAKEFREE . SYS) A B C D E)))	0022000
(FUNCTION DECL1 (J)	0022100
(BLOCK ((DV FLUID) (DT FLUID) (DF FLUID) (DL FLUID) (DM FLUID) K)	0022200
(IF (NULL (SET K (ORDER J)))	0022300
(RETURN NIL)	0022400
(EQ DF (QUOTE LEXICAL))	0022500
(GO ERR)	0022600
(MEMBER K (QUOTE (NORMAL OWN)))	0022700
(BLOCK NIL (MAKEFREE (GETVAR DV)	0022800
(GETSEC DV) (IF DF DF (QUOTE FREE)) (GETYPE DT) (GETLCC DL))	0022900
(IF (AND (EQ PASS 2) DI)	0023000
(EVAL (LIST (QUOTE SET) DV (CAR DI)))) (RETURN DV))	0023100
(EQ X (QUOTE MEANS))	0023200
(BLOCK ((X (BLOCK ((DV FLUID DI) (REFLIST FLUID))	0023300
(IF (GETGLB DV) (RETURN DV))))	0023400
(RETURN (IF (NOT X)	0023500
(CCMER2 J (QUOTE (NO PRIOR DECLARATION)))	0023600
(BLOCK NIL (IF (EQ DM (SET DV (CONS (GETVAR DV)	0023700
(GETSEC DV)))) (SET X DM))	0023800
(MAKEFREE (CAR DV) (CDR DV) (QUOTE MEANS) (CAR X) (CDR X))	0023900
(RETURN DV))))	0024000
(LABEL ERR (CCMER2 J (QUOTE (ILLEGAL TOP DECLARATION))))))	0024100
(FUNCTION FVLIS1 (X)	0024200
(BLOCK ((J (FVLIST X)))	0024300
(RETURN (IF (MEMBER (CAR J) (QUOTE (MACRO INSTRUCTIONS)))	0024400
(LIST (CAR J) (CADR J) X) J))))	0024500
(FUNCTION (GETSEC SYMBOL)	0024600
((V SYMBOL))	0024700
(IF (ATOM V) SNAME (SIM (QUOTE (ID. . ID.)) V) (CDR V) SNAME))	0024800
(FUNCTION (GETVAR SYMBOL) ((V SYMBOL)) (IF (ATOM V) V (CAR V)))	0024900
(FUNCTION (DEFAULT SYMBOL) ((X SYMBOL)) (SECSET SLIST X))	0025000
(FUNCTION (SECSET SYMBOL)	0025100
((N SYMBOL) (TYP SYMBOL))	0025200

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

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(RETURN (BIND (CADDR 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) DI (GO ER1))                            0032300
      (SET FTLIST (CONS (IF (EQN DL (QUOTE LOC))      0032400
        (LIST (FTYPER DT) DL) (FTYPER DT)) FTLIST)) 0032500
      (RETURN X)                                       0032600
      ER1 (SET X (QUOTE PRESET))                       0032700
      ER2 (COMER2 X (QUOTE (ILLEGAL IN FUNC DEC)))))) 0032800
(FUNCTION (BKBIND 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 LOC)) (NULL DI))    0033700
            (SET X (QUOTE (LOC WITHCLT 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
  (GENDTDL)                                          0037800

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(DECL1 (LIST DV DT DF DL))	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 DT)	0038500
(SET DT (CADR TEMP))	0038600
(NOT (EQ DT (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
ONWARD (IF (AND (EQN X (QUOTE NORMAL)) (NULL (F2 X))) (GC C))	0039300
(SET H (CONS (LIST DV DT DF DL) H))	0039400
(IF (NCT (ATOM DV))	0039500
(SET FL (CONS DV FL)) (SET A (CONS (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 (GENDTCL)	0040100
(GO ONWARD)	0040200
C (FL (REVERSE H))	0040300
(SET ALIST (NCCNC A ALIST))	0040400
(RETURN (IF FL (BLOCK NIL (ATTACH (CONS (QUOTE FLBIND)	0040500
(SET FL (REVERSE FL)))) (BLCTTO) (RETURN FL)) NIL))))	0040600
(FUNCTION (GENDTCL SYMBOL)	0040700
NIL (BLOCK NIL (SET DT (GETYPE DT)) (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 (BLOCK 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 (BLOCK NIL (COMER2 L (QUOTE (IMPROPER DECLARATION))))))	0041800
(IF (NCT (SIM (QUOTE V.) (SET DV (CAR L))))	0041900
(RETURN (BLOCK NIL (COMER2 DV (QUOTE (IMPROPER VARIABLE))))))	0042000
(NULL (SET L (CDR L)))	0042100
(RETURN (BLOCK 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 (IGNORED IN DEC))))	0044100

(GO LESS1)	0044200
MEANS (IF (SIM (QUOTE (MEANS V.)) L) (GO COMMON))	0044300
ERROR (CCMER2 (CAR L) (QUOTE (DEC FORMAT ERROR)))	0044400
(RETURN NIL)	0044500
ASSIGNED (IF (NOT (SIM (QUOTE (ASSIGNED (ANY. LOC VALUE) S.)) L)	0044600
) (GO ERROR))	0044700
(SET DF (QUOTE LEXICAL))	0044800
(SET M (QUOTE ASSIGNED))	0044900
(GO TRYA)	0045000
COMMON (SET DI (CADR L))	0045100
(RETURN (CAR L)) SWITCH (SET DI (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 (CONS (GETVAR N) (GETSEC N)) TY))	0045900
(FUNCTION (FNAMER SYMBOL)	0046000
NIL (BLOCK ((N SYMBOL (CADR EXP)))	0046100
(RETURN (IF (SIM (QUOTE V.) N)	0046200
(FPNAME N STYPE)	0046300
(SIM (QUOTE (V. V.)) N)	0046400
(BLOCK ((TY SYMBOL (CADR N)))	0046500
(RETURN (IF (VTYPEP TY)	0046600
(FPNAME (CAR N) TY)	0046700
(BLOCK NIL (COMER2 TY (QUOTE (ILL FUNC TYPE)))	0046800
(RETURN (FPNAME (CAR N) STYPE))))))	0046900
(BLOCK NIL (COMER2 N (QUOTE (BAD FUN NAME)))	0047000
(RETURN (FPNAME (GENID) STYPE))))))	0047100
(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 (CONS LISTING TERMINS))))	0048100
(FUNCTION (CCMSTAT SYMBOL)	0048200
((X SYMBOL))	0048300
(BLOCK ((SCLASS SYMBOL)	0048400
(VCLASS SYMBOL)	0048500
(VTYPE SYMBOL)	0048600
(VREG SYMBOL)	0048700
(VADDR SYMBOL) (VIND SYMBOL) (VINV SYMBOL) (VBYTE SYMBOL))	0048800
(SET SCLASS (QUOTE TRUE)) (COMEXP X))	0048900
(FUNCTION (CCMVAL SYMBOL)	0049000
((X SYMBOL) (XTYPE SYMBOL) (XLOC SYMBOL) (XREG SYMBOL))	0049100
(BLOCK ((SCLASS SYMBOL)	0049200
(PCCLASS SYMBOL)	0049300
(VCLASS SYMBOL)	0049400
(VTYPE SYMBOL)	0049500
(VREG SYMBOL)	0049600
(VADDR SYMBOL)	0049700
(VIND SYMBOL) (VINV SYMBOL) (VBYTE SYMBOL) (TERGD SYMBOL))	0049800
(COMEXP X)	0049900
(SET X VTYPE)	0050000
(IF (EQN (GETLCC XLCC) (QUOTE LCC))	0050100
(BLOCK NIL (IF (NOT (EQN XTYPE VTYPE))	0050200
(COMERR (QUOTE (NO TYPES FOR LOC ARG))))	0050300
(MAKELOC) (SET XTYPE VTYPE) 001568))	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 XLOC) (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) G01569))	0052000
(MOVPS (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 (CCMTERMINES SYMBOL)	0053000
NIL (BLOCK ((W SYMBOL) (X SYMBOL))	0053100
(IF (NULL (SET W TERMINES))	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 TERMINES)	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 G01570))	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)) (CONC (CDR LISTING) (CDAR W))))	0055200
I (SET W (CDR W))	0055300
(GO L) NL (SET (CAR (CAR W)) NIL) (GO I) G01570)	0055400
(SET VTYPE X)	0055500
(SET VREG (QUOTE AC)) (SET VCLASS (QUOTE ACTIVE)))	0055600
(FUNCTION (CCMEXP SYMBOL)	0055700
((EXP SYMBOL))	0055800
(IF (SIM (QUOTE V.) EXP)	0055900
(COMVAR EXP)	0056000
(ATOM EXP)	0056100
(COMDATUM)	0056200
(NOT (SIM (QUOTE V.) (CAR EXP)))	0056300
(COMER2 (CAR EXP) (QUOTE (ILLEGAL FORM NAME)))	0056400
(BLOCK ((D SYMBOL) (DV SYMBOL))	0056500
(RETURN (IF (NULL (SET D (GETFRV (CAR EXP))))	0056600
(COMER2 (CAR EXP) (QUOTE (NO DEC YET)))	0056700

(EQN (CAR D) (QUOTE INSTRUCTIONS))	0056800
(BLOCK ((Y (FUNCTIONAL SYMBOL)))	0056900
(SET Y (CADDR D)) (RETURN (Y)))	0057000
(EQN (CAR D) (QUOTE MACRO))	0057100
(IF (NOT (ATOM (CADDR D)))	0057200
(CCMEXP (MAKECARCDR (CDADDR D)))	0057300
(BLOCK ((Z (FUNCTIONAL SYMBOL SYMBOL)))	0057400
(SET Z (CADDR D)) (RETURN (COMEXP (Z EXP))))	0057500
(ATYPEP (CADR D))	0057600
(COMSUB D)	0057700
(AND FKIND (NOT (EQN (CAR D) (QUOTE ROUTINE))))	0057800
(COMER2 DV (QUOTE (USED IN ROUTINE)))	0057900
(FUNTYP (CADR D))	0058000
(COMFUNC DV D EXP)	0058100
(COMERR (APPEND (QUOTE (I DO NOT BELIEVE)) (LIST DV))))))	0058200
(FUNCTION (CCMPAR SYMBOL)	0058300
((DEC SYMBOL) (E SYMBOL))	0058400
(BLOCK ((VT SYMBCL) (VL SYMBOL))	0058500
L (IF (AND (NULL E) (NULL DEC))	0058600
(RETURN NIL) (NOT (AND E DEC)) (RETURN (COMLCK D)))	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
(COMPLSH (CAR E) VT VL) (COMVAL (CAR E) VT VL (QUOTE AC)))	0059100
(SET E (CDR E)) (GO L)))	0059200
(FUNCTION (CCMFUNC SYMBOL)	0059300
((NAM SYMBOL) (DECL SYMBOL) (X SYMBOL))	0059400
(BLOCK NIL (IF (AND (DEBUGGING)	0059500
(NOT (EQ (CAR DECL) (QUOTE ROUTINE)))	0059600
(NOT (EQ (CAR DECL) (QUOTE FUNCTION))))	0059700
(COMSTAT (LIST (QUOTE (FUNCHK . DEBUG))	0059800
(LIST (QUOTE QUOTE) (CADR DECL)) NAM)))	0059900
(ATTACH (QUOTE (ARGS)))	0060000
(COMPAR (CDDADR DECL) (CDR X))	0060100
(ATTACH (LIST (QUOTE CALL)	0060200
(IF (OR (EQN (CAR DECL) (QUOTE ROUTINE))	0060300
(EQN (CAR DECL) (QUOTE FUNCTION)))	0060400
NAM (BLOCK NIL (ATTACH (LIST (QUOTE LDB) NAM (MAKIND DECL)))	0060500
(ATTACH (QUOTE (STB (FMCALL . SYS))))	0060600
(RETURN (QUOTE (FMCALL . SYS))))))	0060700
(BLCTTC)	0060800
(IF (EQN (SET VTYPE (CADADR DECL)) (QUOTE NOVALUE))	0060900
(BLOCK NIL (SET VTYPE (QUOTE BCCLEAN))	0061000
(SET VCLASS (QUOTE DATUM)) G01571)	0061100
(BLOCK NIL (SET VCLASS (QUOTE ACTIVE))	0061200
(SET VREG (QUOTE AC)) G01572)))	0061300
(FUNCTION (CCMVAR SYMBOL)	0061400
((DV SYMBOL))	0061500
(BLOCK ((D SYMBOL))	0061600
(IF (OR (NULL (SET D (GETFRV DV)))	0061700
(MEMBER (CAR D) (QUOTE (MACRC 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 (CADDR D) (QUOTE LOC))	0062300
(NOT (MEMBER (CAR D) (QUOTE (LEXICAL OWN))))))	0062400
(GO L)	0062500
FUNC (ATTACH (LIST (QUOTE LDA) DV (QUOTE (2Q1 R L4567.7))))	0062600
(BLATCH (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) (CADADR D)) (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 (CADADR D)) (SET VREG (QUOTE AC)) (SET VADDR D))	0064200
(FUNCTION (MAKIND SYMBOL)	0064300
((D SYMBOL))	0064400
(IF (OR (EQN (CADDR D) (QUOTE LCC))	0064500
(MEMBER (CAR D) (QUOTE (FREE FLUID)))) (QUOTE I) 0))	0064600
(FUNCTION (MAKECARCDR SYMBOL)	0064700
((J SYMBOL))	0064800
(IF (NULL (CDR J))	0064900
(IF (CCMLCK 2) NIL (CADR EXP))	0065000
(LIST (IF (EQN (CAR J) (QUOTE A)) (QUOTE CAR) (QUOTE CDR))	0065100
(MAKECARCDR (CDR J))))	0065200
(MACRO ((ORG . LISP) SYMBOL)	0065300
((X SYMBOL))	0065400
(IF (NOT (SIM (QUOTE (V. (OR. N. NIL) S.)) X))	0065500
(BLOCK NIL (COMERR (QUOTE (BAD 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) NOVALUE)	0065900
NIL (BLOCK NIL (SET EXP (CDR EXP))	0066000
(RETURN (IF (OR (NULL EXP) (NULL (CDR EXP)))	0066100
(COMERR (QUOTE (BAD IF)))	0066200
SCLASS (IFST EXP XCO)	0066300
PCLASS (IFPREC EXP) TERGO (IFEXPT EXP) (IFEXP EXP))))	0066400
(FUNCTION (IFPREC SYMBOL)	0066500
((X SYMBOL))	0066600
(BLOCK ((GEN SYMBOL) (TG SYMBOL) (FG SYMBOL))	0066700
(SET VCLASS (QUOTE PREDICATE))	0066800
(SET TG (IF TGC TGO (GENID)))	0066900
(SET FG (IF FGC FGO (GENID)))	0067000
A (IF (NULL X) (GO N) (NULL (CDR X)) (GO NC))	0067100
(SET GEN NIL)	0067200
(IF (EQN (CADR X) (QUOTE TRUE))	0067300
(COMPACT (CAR X) TG NIL)	0067400
(EQN (CADR X) (QUOTE FALSE))	0067500
(COMPACT (CAR X) FG NIL)	0067600
(BLOCK NIL (SET GEN (GENID))	0067700
(COMPACT (CAR X) NIL GEN)	0067800
(COMPACT (CADR X) TG FG) (ATTACHLAB GEN) G01573))	0067900
(SET X (CDDR X))	0068000
(GO A)	0068100
NC (COMPACT (CAR X) TGC FGO)	0068200
(GO R)	0068300
N (IF GEN (CALERR))	0068400
R (IF (NOT TGO) (ATTACHLAB TG) (NOT FGO) (ATTACHLAB FG))))	0068500
(FUNCTION (IFST SYMBOL)	0068600
((EXP SYMBOL) (NAME SYMBOL))	0068700
(BLOCK ((GEN SYMBOL) (XGO SYMBOL) (Z SYMBOL))	0068800
(SET XGO NAME)	0068900
A (IF (NULL EXP)	0069000
(GO E)	0069100
(NULL (CDR EXP))	0069200
(GO L1)	0069300

(AND (CDDR EXP) (NULL (CDDDR EXP)) (IFGO (CADDR EXP)))	0069400
(GO L3) (IFGO (CADR EXP)) (GO B) (NULL XGO) (SET XGO (GENID)))	0069500
(IF (NULL (CDDR EXP)) (GO L2))	0069600
(SET GEN (GENID))	0069700
(COMPRED (CAR EXP) NIL GEN)	0069800
(COMSTAT (CADR EXP))	0069900
(IF (NOT (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 (NOT Z) (COMSTAT (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 (NOT NAME)) (ATTACHLAB XGO)))	0071500
(FUNCTION (IFEXPT SYMBOL)	0071600
((X SYMBOL))	0071700
(BLOCK ((GEN SYMBOL))	0071800
A (IF (NULL (CDR X)) (GO B))	0071900
(SET GEN (GENID))	0072000
(IF (NULL (CDDR X)) (GO C))	0072100
(COMPRED (CAR X) NIL GEN)	0072200
(COMTERM (CADR X))	0072300
(SET X (CDR X))	0072400
D (ATTACHGC TERGO)	0072500
(ATTACHLAB GEN)	0072600
I (SET X (CDR X))	0072700
(GO A)	0072800
C (COMPRED (CAR X) GEN NIL)	0072900
(CALERR) (GO D) B (COMTERM (CAR X)))	0073000
(FUNCTION (IFEXP SYMBOL)	0073100
((EXP SYMBOL))	0073200
(BLOCK ((TERMINI SYMBOL)	0073300
(LABELS SYMBOL) (GCLIST SYMBOL) (TERGO SYMBOL) (X SYMBOL))	0073400
(SET TERGO (GENID))	0073500
(IFEXPT EXP)	0073600
(ATTACHLAB TERGO)	0073700
(COMTERMINI)	0073800
(IF (SET X (COMGOES (QUOTE TRUE)))	0073900
(COMER2 (QUOTE (UNDEFINED LABELS)) X)))	0074000
(FUNCTION (IFGO 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 (QUOTE TRUE)) (COMPACT X TG FG)))	0074500
(FUNCTION (CCMPACT SYMBOL)	0074600
((X SYMBOL) (TGC SYMBOL) (FGO SYMBOL))	0074700
(BLOCK ((XTYPE SYMBOL)	0074800
(VCLASS SYMBOL)	0074900
(VTYPE SYMBOL)	0075000
(VREG SYMBOL)	0075100
(VADDR SYMBOL) (VIND SYMBOL) (VINV SYMBOL) (VBYTE SYMBOL))	0075200
(SET XTYPE (QUOTE BCCLEAN))	0075300
(COMEXP X)	0075400
(IF (EQN VCLASS (QUOTE PREDICATE))	0075500
(GO P)	0075600

(NULL VCLASS)	0075700
(RETURN (COMERR (QUOTE (NOVALUE PREDICATE))))	0075800
(EQN VCLASS (QUOTE DATUM))	0075900
(IF (MEMBER VADDR (QUOTE (NIL FALSE))) (GO A) NIL)	0076000
(MEMBER VTYPE (QUOTE (SYMBOL BCCLEAN))) (GO B))	0076100
(BRANCHER (QUOTE ((TGO (BUC))))))	0076200
(GO P)	0076300
A (BRANCHER (QUOTE ((FGO (BUC))))))	0076400
(GO P)	0076500
B (MOVACTIVE (QUOTE SYMBOL) (QUOTE AC) NIL)	0076600
(BRANCHER (QUOTE ((FGO (BOZP) (BNZP))))))	0076700
P (IF (AND TGO FGO (NOT (LASTBRANCH)))	0076800
(BRANCHER (QUOTE ((TGO (BUC))))))	0076900
(FUNCTION (MAKEPRED SYMBOL)	0077000
NIL (COMEXP (LIST (QUOTE IF) EXP (QUOTE TRUE) NIL)))	0077100
(FUNCTION (COMBOCL SYMBOL)	0077200
((MODE SYMBOL))	0077300
(BLOCK ((H SYMBOL) (G SYMBOL) (I SYMBOL))	0077400
(IF (OR SCLASS (NOT PCLASS))	0077500
(RETURN (MAKEPRED)) (NULL (CDR EXP)) (GO D))	0077600
(SET H (CDR EXP))	0077700
A (IF (NULL (CDR H)) (GO B))	0077800
(SET I (IF MODE FGO TGC))	0077900
(SET I (IF I I G G (SET G (GENID))))	0078000
(COMPACT (CAR H) (IF MODE NIL I) (IF MODE I NIL))	0078100
(SET H (CDR H))	0078200
(GO A)	0078300
B (COMPACT (CAR H) TGO FGO)	0078400
(SET VCLASS (QUOTE PREDICATE))	0078500
(IF (NULL G) (GO C))	0078600
(ATTACHLAB G)	0078700
C (RETURN NIL) D (SET VCLASS (QUOTE DATUM)) (SET VADDR MODE))	0078800
(FUNCTION (BRANCHER SYMBOL)	0078900
((BLIST SYMBOL))	0079000
(BLOCK ((I SYMBOL)	0079100
(B SYMBOL)	0079200
(Z1 SYMBOL) (Z2 SYMBOL) (X SYMBOL) (Z SYMBOL) (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 (CAADR B) (QUOTE (TGO FGO))) (SET B (CDR B)))	0080000
(GO B)	0080100
TG (SET Z1 TGO)	0080200
(SET Z2 FGO)	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
(CDR B) (BLOCK NIL (SET B (CDR B)) (RETURN Z2)) NIL))	0080800
(IF (NOT Z) (GO A))	0080900
(SET X (CONS (CAADR B) (LABELER Z) (CDADR 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 (COMREL 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 (NOTF SYMBOL)	0082200
NIL (BLOCK ((J SYMBOL))	0082300
(IF (OR SCLASS (NOT PCLASS)) (RETURN (MAKEPRED)))	0082400
(SET J TGO) (SET TGO FGO) (SET FGO J) (COMEXP (CADR EXP))))	0082500
(FUNCTION (CALERR NOVALUE)	0082600
NIL (BLOCK NIL (ATTACH (QUOTE (ARGS))))	0082700
(CALCOMP (QUOTE CONDERR))))	0082800
(INSTRUCTIONS ((AND . LISP) NOVALUE) NIL (COMBOOL (QUOTE TRUE)))	0082900
(INSTRUCTIONS ((OR . 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 (BLOCK NIL (IF (COMLCK 2) (RETURN NIL))	0083400
(SET VCLASS (QUOTE DATUM))	0083500
(SET VTYPE (FVTYPE (SET VADDR (CADR EXP))))))	0083600
(BRANCH (INSTRUCTIONS ((GO . LISP) NOVALUE)	0083700
NIL (BLOCK ((A SYMBOL))	0083800
(IF (OR (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 (CAADR EXP))	0084400
(COMVAL (CADADR EXP) (QUOTE INTEGER) NIL (QUOTE AC))	0084500
C (ATTACHGC A)))	0084600
(INSTRUCTIONS ((RETURN . LISP) NOVALUE)	0084700
NIL (IF (OR (NOT SCLASS) (COMLCK 2))	0084800
(COMER2 EXP (QUOTE (ILLEGAL RETURN)))	0084900
(AND (LASTBRANCH) TERMINS)	0085000
NIL (BLOCK ((SCLASS SYMBOL))	0085100
(IF PCLASS (RETURN (COMPACT (CADR EXP) TGO FGO)))	0085200
(COMTERM (CADR EXP))	0085300
(IF (NOT (LASTBRANCH)) (ATTACHGC TERGO))))	0085400
(INSTRUCTIONS ((LABEL . LISP) NOVALUE)	0085500
NIL (BLOCK NIL (IF (COMLCK 3)	0085600
(RETURN NIL)	0085700
(AND (IDP (CADR EXP)) (OR SCLASS PCLASS))	0085800
(ATTACHLAB (CADR EXP)) (COMER2 (CADR EXP) (QUOTE (BAD LABEL))))	0085900
(COMEXP (CADR EXP))))	0086000
(FUNCTION (CCMSWITCH SYMBOL)	0086100
((L SYMBOL) (V SYMBOL))	0086200
(BLOCK NIL (REMOTE V)	0086300
(REMOTE (LIST (QUOTE BUC) (LIST (QUOTE LABEL) V) (QUOTE A)))	0086400
A (IF (NULL L) (GO B))	0086500
(REMOTE (LIST (QUOTE BUC) (LABELER (CAR L))))	0086600
(SET GCLIST (CCNS (CONS (QUOTE GC) REMOTES) GCLIST))	0086700
(SET L (CDR L)) (GO A) B (SET LABELS (CONS V LABELS))))	0086800
(FUNCTION (CCMGoes SYMBOL)	0086900
((P SYMBOL))	0087000
(BLOCK ((L SYMBOL)	0087100
(M SYMBOL) (X SYMBOL) (Y SYMBOL) (G1 SYMBOL) (G2 SYMBOL))	0087200
A (IF (NULL GCLIST)	0087300
(GO B)	0087400
(NOT (MEMBER (CADAR (GOGET (CAR GCLIST))) LABELS))	0087500
(SET L (CCNS (CAR GCLIST) L)))	0087600
(SET GCLIST (CDR GCLIST))	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

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

NIL (COMREL (QUOTE ((TGO (BOZ)) (FGC (BOM) (BOP))))))	0094600
(MACRO ((EQUAL . LISP) SYMBOL)	0094700
((X SYMBOL)) (CONS (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) (VBLOT SYMBOL) (VIND SYMBOL) (VINV SYMBOL))	0095600
(RESTORE L)	0095700
(IF (AND (EQN VCLASS (QUOTE DATUM)) (NOT (NUMBP VADDR)))	0095800
(MOVACTIVE VTYPE (QUOTE AC) NIL))	0095900
(SET VTYPE (QUOTE CCTL)) (RETURN (CLUNK)))	0096000
(FUNCTION (ECXOR SYMBOL)	0096100
((L SYMBOL))	0096200
(BLOCK ((INSTRUCTION SYMBOL))	0096300
(SET INSTRUCTION (QUOTE XOR))	0096400
(INHERIT (CAR (SET L (WRDHP (LIST (COMGLITCH (CAR L))	0096500
(COMGLITCH (CADR L)) NIL))))	0096600
(LSTLST (CADR L))	0096700
(MOVACTIVE (QUOTE CCTL) (QUOTE AC) NIL)	0096800
(BRANCHER (QUOTE ((FGO (BNZP) (ECZP))))	0096900
(SET VCLASS (QUOTE PREDICATE)))	0097000
(FUNCTION (ECBXE SYMBOL)	0097100
((A SYMBOL) (B SYMBOL))	0097200
(BLOCK NIL (RESTORE A)	0097300
(RESTORE B)	0097400
(MOVACTIVE (QUOTE SYMBOL) (QUOTE AC) NIL)	0097500
(BRANCHER (SUBST (GVADDR A)	0097600
(QUOTE Z) (QUOTE ((TGO (BXE AC (ID Z))) (FGO (BUC))))))	0097700
(SET VCLASS (QUOTE PREDICATE)))	0097800
(FUNCTION (ECNIL 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 (ECSUB SYMBOL)	0098400
((L SYMBOL))	0098500
(BLOCK ((X SYMBOL))	0098600
(SET X (CDDDR (CDDDR (IF (FULLW (GVBYTE (CAR L)))	0098700
(CAR L)	0098800
(FULLW (GVBYTE (CADR L)))	0098900
(CADR L)	0099000
(CAR (SET L (CONS (BLOCK ((VCLASS SYMBOL)	0099100
(VTYPE SYMBOL)	0099200
(VREG SYMBOL)	0099300
(VADDR SYMBOL)	0099400
(VBYTE SYMBOL)	0099500
(VBLOT 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
(DELETET (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 (BLOCK NIL (MOVACTIVE VTYPE (QUOTE AC) NIL)	0100600
(BRANCHER (QUOTE ((FGO (BNZ) (BOZ))))	0100700
(SET VCLASS (QUOTE PREDICATE)) 601574)	0100800

(INHERIT (QUOTE (DATUM BOOLEAN NIL TRUE NIL NIL NIL NIL))))	0100900
(FUNCTION (EQLP 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 (OCTAL 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 (QUOTE (ARGS)))	0103600
(RESTORE A)	0103700
(MOVPS (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 (BLOTTO)	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 (CADR EXP)	0104900
(FUNARG SYMBOL ((J SYMBOL)) (COMSWITCH (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 (COMBLOCK (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
(COMBLOCK (CDDR EXP))	0106000
(SET VCLASS (QUOTE PREDICATE))	0106100
(IF (NULL X) (GC G01578))	0106200
(ATTACHLAB X) (SET TGO NIL) G01578)	0106300
TERGC (COMBLOCK (CDDR EXP))	0106400
(BLOCK ((TERMINI SYMBOL) (TERGC SYMBOL))	0106500
(SET TERGC (GENID))	0106600
(COMBLOCK (CDDR EXP)) (ATTACHLAB TERGO) (COMTERMINI) G01579))	0106700
(SET X (CCMGoes P)) G01577)	0106800
(IF (OR SCLASS PCLASS TERGO)	0106900
(SET GOLIST (CONC X GOLIST))	0107000
X (COMER2 (QUOTE (UNDEFINED LABELS)))	0107100

(MAPCAR X (FUNARG SYMBOL ((J SYMBOL)) (CADAR (GOGET J))))))	0107200
(FUNCTION (CCMBLOCK 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 (CCMERZ 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 (CADR EXP)	0109300
(FUNARG SYMBOL ((J SYMBOL))	0109400
(LIST (GENID) (QUOTE ASSIGNED) J))))	0109500
(SET Y (CONS (CADR EXP)	0109600
(MAPCAR X (FUNARG SYMBOL ((J SYMBOL)) (CAR J))))	0109700
(RETURN (LIST (QUOTE BLOCK)	0109800
(IF SCLASS Y (LIST (QUOTE RETURN) Y))))))	0109900
(CASE (MACRO ((CASE . LISP) SYMBOL)	0110000
((X SYMBOL))	0110100
(IF (LS (LENGTH X) 3)	0110200
(BLOCK NIL (COMERR (QUOTE (BAD CASE))) (RETURN (ITYPE XTYPE)))	0110300
(BLOCK (LABELS)	0110400
(RETURN (BLOCK ((M (MAPCAR (CDDR X)	0110500
(FUNARG SYMBOL ((J SYMBOL))	0110600
(IF (SIM (QUOTE (GO ID.)) J)	0110700
(BLOCK NIL (SET LABELS (CONS (CADR J) LABELS)))	0110800
(BLOCK NIL (SET LABELS (CONS (GENID) LABELS)))	0110900
(RETURN (LIST (QUOTE BLOCK)	0111000
NIL (CAR LABELS)	0111100
(IF SCLASS J (LIST (QUOTE RETURN) J))))))	0111200
(RETURN (APPEND (QUOTE (BLOCK NIL))	0111300
(CONS (CONS (QUOTE CASEGO)	0111400
(CADR X) (REVERSE LABELS) M))))))	0111500
(INSTRUCTIONS ((CASEGC . LISP) NVALUE)	0111600
NIL (BLOCK ((L (LIST (LIST (QUOTE LABEL) (GENID)) -1)))	0111700
(COMVAL (CADR EXP) (QUOTE INTEGER) NIL (QUOTE AC))	0111800
(LSTLST (SUBST L (QUOTE L)	0111900
(SUBST (LENGTH (CDDR EXP))	0112000
(QUOTE N)	0112100
(QUOTE ((BUC L A)	0112200
(BOP L) (SUB N (L567.7 R S)) (BOZ L) (BOM L))))))	0112300
(MAP (CDDR EXP)	0112400
(FUNARG SYMBOL ((J SYMBOL))	0112500
(BLOCK NIL (ATTACH (LIST (QUOTE BUC) (LABELER (CAR J))))	0112600
(IF (NOT (MEMBER (CAR J) LABELS))	0112700
(SET GCLIST (CONS (CONS (QUOTE GO) LISTING) GCLIST))))))	0112800
(ATTACH (CADAR L))))))	0112900
(ZAPZAP (MACRO ((LIST . LISP) SYMBOL)	0113000
((EXP SYMBOL))	0113100
(IF (GR (LENGTH EXP) 2)	0113200
(LISTX (CDR EXP))	0113300
(CDR EXP) (CONS (QUOTE (LIST1 . SYS)) (CDR EXP)) NIL))	0113400

(MACRO ((CONS . LISP) SYMBOL)	0113500
((EXP SYMBOL))	0113600
(IF (LS (LENGTH EXP) 3)	0113700
(BLOCK NIL (COMLCK 3)) (LISTX (CDR EXP))))	0113800
(INSTRUCTIONS ((SHIFT . LISP) NOVALUE) NIL (SHIFTER (QUOTE CYC)))	0113900
(INSTRUCTIONS ((SCALE . LISP) NOVALUE) NIL (SHIFTER (QUOTE SFA)))	0114000
(INSTRUCTIONS ((CYCLE . LISP) NOVALUE) NIL (SHIFTER (QUOTE CYA)))	0114100
(FUNCTION (LISTX SYMBOL)	0114200
((X SYMBOL))	0114300
(BLOCK ((L SYMBOL))	0114400
(SET L (LENGTH X))	0114500
(RETURN (IF (GR L 4)	0114600
(LIST (QUOTE (CONS4 . SYS))	0114700
(CAR X) (CADR X) (CADDR X) (LISTX (CADDR X))))	0114800
(CONS (CDR (FIND L (CDR (FIND (CAR EXP)	0114900
(QUOTE ((LIST (2 LIST2 . SYS)	0115000
(3 LIST3 . SYS) (4 LIST4 . SYS))	0115100
(CONS (2 CONS2 . SYS)	0115200
(3 CONS3 . SYS) (4 CONS4 . SYS))))))))) X))))	0115300
(FUNCTION (SHIFTER SYMBOL)	0115400
((C SYMBOL))	0115500
(IF (COMLCK 3)	0115600
NIL (BLOCK ((X SYMBOL))	0115700
(COMEXP1 (CADR EXP))	0115800
(SET VINV (IF (MEMBER (QUOTE MINUS) VINV) NIL (QUOTE (MINUS))))	0115900
(IF (EQN VCLASS (QUOTE DATUM))	0116000
(BLOCK NIL (VSET (COMDAT (CLUNK)))	0116100
(SET X (CNVDATM VTYPE VADDR (QUOTE INTEGER))) G01583)	0116200
(MOV PDS (QUOTE INTEGER) NIL))	0116300
(COMTYP (QUOTE OCTAL) (CADR EXP))	0116400
(MOVACTIVE (QUOTE OCTAL) (QUOTE AC) NIL)	0116500
(IF (EQN C (QUOTE CYC)) (ATTACH (QUOTE (STZ B.))))	0116600
(ATTACH (CONS C (IF X (LIST X (QUOTE R)) (QUOTE (POP.)))))))))	0116700
(FUNARG (MACRO ((FUNCTION . LISP) SYMBOL) ((X SYMBOL)) (COMPILER X))	0116800
(INSTRUCTIONS ((FUNARG . LISP) NOVALUE)	0116900
NIL (IF (NOT (AND (SIM (QUOTE (V. A. (GR. L. NIL) S.)) EXP)	0117000
(OR (VTYPEP (CADR EXP)) (NOT (CADR EXP))))	0117100
(COMER2 EXP (QUOTE (NOT LEGAL FUNARG)))	0117200
(OR SCLASS PCLASS)	0117300
(BLOCK NIL (SET VCLASS (QUOTE DATUM))	0117400
(SET VTYPE (QUOTE BOOLEAN)) (SET VADDR (QUOTE TRUE)))	0117500
(BLOCK ((APLIST SYMBOL (APPEND ALIST APLIST))	0117600
(FEXP SYMBOL (LIST (QUOTE FUNCTION)	0117700
(LIST (GENID) (IF (CADR EXP) (CADR EXP) STYPE))	0117800
(CADDR EXP) (CADDR EXP))))	0117900
(RETURN (BLOCK ((IR SYMBOL) (C SYMBOL))	0118000
(BLOCK ((IRLIST SYMBOL))	0118100
(SET C (FUNCTION FEXP)) (SET IR IRLIST) G01584)	0118200
(IF ERRFLG (RETURN NIL)	0118300
(NCT IR) (RETURN (COMEXP (COMPILER FEXP))))	0118400
(BLOCK ((IRLIST SYMBOL))	0118500
(ATTACH (LIST (QUOTE LDA)	0118600
(FUNCTION (BLOCK NIL (SET (CAR (CADDR FEXP))	0118700
(LIST (QUOTE BLOCK)	0118800
NIL (QUOTE (CODE (LDX (FMCALL . SYS) L 7)))	0118900
(LIST (QUOTE BLOCK)	0119000
(MAPCAR IR (FUNCTION (G01586 SYMBOL)	0119100
((J SYMBOL))	0119200
(LIST (CAR J) (CADR J) (QUOTE LOC) (CAR J))))	0119300
(LIST (QUOTE RETURN) (CADDR FEXP))))))	0119400
(RETURN FEXP)) (QUOTE (2Q1 R L4567.7)))) G01585)	0119500
(ATTACH (QUOTE (STX A. L 8)))	0119600
(INHERIT (QUOTE (ACTIVE FUNCTIONAL AC NIL NIL NIL (AC) NIL)))	0119700

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

(SECTION (SECTION (COMPIL SUPV SYS LISP) SYMBOL))	0000100
(VHELP (DECLARE (INTLST SYMBOL FLUID)	0000200
(REALST SYMBCL FLUID)	0000300
(SYMLST SYMBCL FLUID) (LOCLST SYMBOL FLUID))	0000400
(FUNCTION (GVCLASS SYMBOL) ((X SYMBOL)) (GVCLAS X))	0000500
(FUNCTION (GVCLAS SYMBOL) ((X SYMBCL)) (CAR X))	0000600
(FUNCTION (GVTYPE SYMBOL) ((X SYMBCL)) (CADR X))	0000700
(FUNCTION (GVREG SYMBOL) ((X SYMBCL)) (CADDR X))	0000800
(FUNCTION (GVADDR SYMBOL) ((X SYMBCL)) (CADDRR X))	0000900
(FUNCTION (GVIND SYMBOL) ((X SYMBCL)) (CAR (CDDDDR X)))	0001000
(FUNCTION (GVBYTE SYMBOL) ((X SYMBCL)) (CADR (CDDDDR X)))	0001100
(FUNCTION (GVBLCT SYMBOL) ((X SYMBCL)) (CADDR (CDDDDR X)))	0001200
(FUNCTION (GVINV SYMBOL) ((X SYMBCL)) (CADDRR (CDDDDR X)))	0001300
(FUNCTION (VLIST SYMBOL)	0001400
NIL (LIST VCLASS VTYPE VREG VADDR VIND VBYTE VBLCT VINV))	0001500
(FUNCTION (VSET SYMBOL)	0001600
((X SYMBCL))	0001700
(BLOCK NIL (SET VCLASS (GVCLAS X))	0001800
(SET VTYPE (GVTYPE X))	0001900
(SET VREG (GVREG X))	0002000
(SET VADDR (GVADDR X))	0002100
(SET VIND (GVIND X))	0002200
(SET VBYTE (GVBYTE X))	0002300
(SET VBLCT (GVBLCT X)) (SET VINV (GVINV X))))	0002400
(FUNCTION (INHERIT SYMBOL)	0002500
((B SYMBOL))	0002600
(BLOCK ((A SYMBCL))	0002700
(SET A (UNION VBLCT (GVBLCT B))) (VSET B) (SET VBLCT A)))	0002800
(FUNCTION (LSTLST SYMBCL)	0002900
((LST SYMBOL)) (IF LST (SET LISTING (NCONC LST LISTING)) NIL))	0003000
(FUNCTION (CLUNK SYMBOL) NIL (NCONC (VLIST) (LIST LISTING)))	0003100
(FUNCTION (RESTORE SYMBOL)	0003200
((X SYMBOL)) (BLOCK NIL (INHERIT X) (RETURN (LSTLST (LAST X))))))	0003300
(COMPILER (FUNCTION (CCMTOPI SYMBOL)	0003400
((X SYMBOL) (E SYMBOL))	0003500
(BLOCK ((VCLASS SYMBOL)	0003600
(VTYPE SYMBOL)	0003700
(VREG SYMBOL)	0003800
(VADDR SYMBOL)	0003900
(VIND SYMBOL)	0004000
(VBYTE SYMBOL) (VBLCT SYMBOL) (VINV SYMBOL) (LISTING SYMBOL))	0004100
(COMTYP X E) (RETURN (CLUNK))))	0004200
(FUNCTION (CALCOMP SYMBOL)	0004300
((DV SYMBOL))	0004400
(BLOCK NIL (BLOTTO)	0004500
(ATTACH (LIST (QUOTE CALL)	0004600
(CONS DV (QUOTE SYS)) (GETDEC DV (QUOTE SYS))))))	0004700
(FUNCTION (CCMARGS SYMBOL)	0004800
NIL (BLOCK ((L SYMBOL) (M SYMBOL))	0004900
(SET L EXP)	0005000
(SET M (LIST NIL))	0005100
TAG (IF (NULL (SET L (CDR L))) (RETURN M))	0005200
(BLOCK ((VCLASS SYMBCL)	0005300
(VTYPE SYMBOL)	0005400
(VREG SYMBOL)	0005500
(VADDR SYMBOL)	0005600
(VIND SYMBOL)	0005700
(VBYTE SYMBOL) (VBLCT SYMBOL) (VINV SYMBOL) (LISTING SYMBOL))	0005800
(COMEXPI (CAR L)) (SET M (CONS (CLUNK) M)) G01595) (GO TAG)))	0005900
(FUNCTION (CCMTYP SYMBOL)	0006000
((XTYPE SYMBCL) (EXP SYMBOL))	0006100
(BLOCK ((SCLASS SYMBOL) (PCCLASS SYMBOL) (TERGO SYMBOL))	0006200
(COMEXP EXP)	0006300

(IF (EQN VCLASS (QUOTE DATUM)))	C006400
(GO DAT)	C006500
(EQN XTYPE VTYPE)	C006600
(RETURN NIL)	C006700
(AND (EQN VTYPE (QUOTE OCTAL))	C006800
(EQN XTYPE (QUOTE INTEGER)) (NOT VBYTE)) (GO CCTINT))	C006900
XYZ (MOVACTIVE XTYPE (QUOTE AC) NIL)	C007000
(RETURN NIL)	C007100
CCTINT (SET VTYPE (QUOTE INTEGER))	C007200
(RETURN NIL)	C007300
CAT (INHERIT (COMDAT (NCONC (VLIST) (QUOTE (NIL)))))	C007400
(SET VADDR (CNVDATM VTYPE VADDR XTYPE)) (SET VTYPE XTYPE)))	C007500
(FUNCTION (CCMDAT SYMBOL)	C007600
((FORM SYMBOL))	C007700
(BLOCK ((VCLASS SYMBOL)	C007800
(VTYPE SYMBOL)	C007900
(VBYTE SYMBOL)	C008000
(VIND SYMBOL)	C008100
(VBLCK SYMBOL)	C008200
(VREG SYMBOL) (VINV SYMBOL) (VADDR SYMBOL) (LISTING SYMBOL))	C008300
(RESTORE FORM)	C008400
(IF (MEMBER (QUOTE MINUS) VINV) (SET VADDR (MINUS VADDR)))	C008500
(IF (MEMBER (QUOTE RECIP) VINV)	C008600
(BLOCK NIL (SET VADDR (IQUOTIENT 1.0 VADDR))	C008700
(SET VTYPE (QUOTE REAL)) GO1596))	C008800
(SET VINV NIL) (RETURN (CLUNK))))	C008900
(FUNCTION (CCMEXP1 SYMBOL)	C009000
((EXP SYMBOL))	C009100
(BLOCK ((PCLASS SYMBOL)	C009200
(SCLASS SYMBOL) (TERGO SYMBOL) (XTYPE SYMBOL))	C009300
(RETURN (CCMEXP EXP))))	C009400
(FUNCTION (CCMLCK SYMBOL)	C009500
((NUM SYMBOL))	C009600
(BLOCK NIL (IF (EQ (LENGTH EXP) NUM) (RETURN NIL))	C009700
(COMER2 (CAR EXP) (QUOTE (WRONG NUM OF ARGS)))	C009800
(INHERIT (QUOTE (DATUM INTEGER NIL 0 NIL NIL NIL NIL NIL)))	C009900
(RETURN TRUE)))	C010000
(FUNCTION (VINDX SYMBOL)	C010100
NIL (AND (EQN VCLASS (QUOTE LOC))	C010200
(NOT VIND)	C010300
(NOT VINV)	C010400
(OR (NULL VBYTE)	C010500
(EQN VBYTE (QUOTE RH))	C010600
(AND (NOT (ATOM VBYTE))	C010700
(EQ (CAR VBYTE) 0) (GR (CADR VBYTE) 23))))	C010800
(FUNCTION (CCMCAR SYMBOL)	C010900
((B SYMBOL))	C011000
(BLOCK NIL (IF (COMLCK 2) (RETURN NIL))	C011100
(CCMEXP1 (CADR EXP))	C011200
(IF (EQN VTYPE (QUOTE SYMBOL)) (GO A))	C011300
(COMER2 (CADR EXP) (QUOTE (NOT SYMBOL)))	C011400
A (IF (VINDX) (GO LOC))	C011500
(MOVACTIVE (QUOTE SYMBOL) (QUOTE AC) NIL)	C011600
(SET VCLASS (QUOTE LOC))	C011700
(SET VADDR 0)	C011800
(SET VBYTE B) (RETURN NIL) LOC (SET VIND TRUE) (SET VBYTE B))))	C011900
(FUNCTION (COMCPT SYMBOL)	C012000
((FRMLST SYMBOL)	C012100
(ALGFCN (FUNCTIONAL SYMBOL))	C012200
(MOVE (FUNCTIONAL SYMBOL SYMBOL))	C012300
(MOVEP (FUNCTIONAL SYMBOL SYMBOL)) (MOVPOD (FUNCTIONAL SYMBOL))	C012400
(BLOCK ((LISTING SYMBOL)	C012500
(VCLASS SYMBOL)	C012600

(VTYPE SYMBCL)	0012700
(VREG SYMBCL)	0012800
(VADDR SYMBCL)	0012900
(VIND SYMBCL)	0013000
(VBYTE SYMBCL)	0013100
(VBLOT SYMBCL)	0013200
(VINV SYMBCL)	0013300
(FORM SYMBCL) (LOCLST SYMBOL) (ACTLST SYMBOL) (TEM SYMBCL))	0013400
(SET ACTLST (LIST NIL))	0013500
(IF (NOT (SET FORM (CAR FRMLST)))) (RETURN NIL))	0013600
A1 (IF (EQN (SET TEM (GVCLAS FORM)) (QUOTE ACTIVE)))	0013700
(GO B1)	0013800
(EQN TEM (QUOTE DATUM))	0013900
(GO C1) (AND (NOT (GVREG FORM)) (MOVEP FORM)) (GO C2))	0014000
(SET FORM (MCVE FORM))	0014100
B1 (SET ACTLST (CONS FORM 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 (CDDDDR (CDDDDR FORM))) NIL)	0014900
(SET LOCLST (CONS FORM 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 (NOT (SET FORM (CAR (SET ACTLST (CDR ACTLST)))))) (GO RET))	0015700
(SET LOCLST (LIST (MCVPDL))) (GO D1)))	0015800
(FUNCTION (CMARI SYMBOL)	0015900
((DATUM SYMBCL)	0016000
(LST SYMBOL)	0016100
(FCN (FUNCTIONAL SYMBOL SYMBOL SYMBOL))	0016200
(IALGFCN SYMBOL)	0016300
(IMOVE SYMBCL)	0016400
(IMOVEP SYMBCL)	0016500
(IMOV PDL SYMBOL)	0016600
(RALGFCN SYMBOL)	0016700
(RMOVE SYMBCL) (RMOVEP SYMBOL) (RMCVPDL SYMBOL))	0016800
(BLOCK ((INTLST SYMBOL)	0016900
(REALST SYMBOL)	0017000
(SYMLST SYMBOL)	0017100
(DATA SYMBCL) (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 (QUOTE (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 FORM) (QUOTE DATUM))	0018400
(BLOCK NIL (IF (NUMBP (GVADDR FORM)) (GO XYZ))	0018500
(COMER2 (GVADDR FORM) (QUOTE (IS NON NUM DATA IN ARITH)))	0018600
(GO G01597)	0018700
XYZ (RESTORE (SET FORM (COMDAT FORM)))	0018800
(SET DATA (FCN DATA (GVADDR FORM))) G01597)	0018900

(EQN TYPE (QUOTE SYMBCL))	CO19000
(SET SYMLST (CONS FORM SYMLST))	CO19100
(OR (EQN TYPE (QUOTE REAL)) (MEMBER (QUOTE RECIP) VINV))	CO19200
(SET REALST (CONS FORM REALST))	CO19300
(MEMBER TYPE (QUOTE (INTEGER CCTL)))	CO19400
(SET INTLST (CONS FORM INTLST))	CO19500
(COMER2 TYPE (QUOTE (TYPE ARG TC ARITH))))	CO19600
(IF (CAR (SET LST (CDR LST)))	CO19700
(GO PARC)	CO19800
(EQ DATA DATUM)	CO19900
(GO ND)	CO20000
(FIXP DATA)	CO20100
(SET INTLST (CONS (LIST (QUOTE DATUM)	CO20200
(QUOTE INTEGER) NIL DATA NIL NIL VBLOT NIL NIL) INTLST))	CO20300
(SET REALST (CONS (LIST (QUOTE DATUM)	CO20400
(QUOTE REAL) NIL DATA NIL NIL VBLOT NIL NIL) REALST)))	CO20500
ND (SET INTLST (COMCPT INTLST IALGFCN IMOVE IMOVEP IMOVPEL))	CO20600
(IF (NCT (CAR REALST))	CO20700
(IF INTLST (GC INTUP) (GO NOUP))	CO20800
INTLST (BLOCK ((VCLASS SYMBCL)	CO20900
(VTYPE SYMBCL)	CO21000
(VADDR SYMBCL)	CO21100
(VREG SYMBCL)	CO21200
(VIND SYMBCL)	CO21300
(VBYTE SYMBCL) (VBLOT SYMBCL) (VINV SYMBCL) (LISTING SYMBCL))	CO21400
(VSET (CAR INTLST))	CO21500
(SET LISTING (CADR INTLST))	CO21600
(MOVACTIVE (QUOTE REAL) (QUOTE AC) NIL)	CO21700
(SET REALST (CONS (CLUNK) REALST)) GO1598))	CO21800
(SET REALST (COMCPT REALST RALGFCN RMOVE RMOVEP RMOVPEL))	CO21900
REALUP (LSTLST (CADR REALST))	CO22000
(INHERIT (CAR REALST))	CO22100
(RETURN SYMLST)	CO22200
INTUP (SET REALST INTLST)	CO22300
(GO REALUP)	CO22400
NOUP (INHERIT (QUOTE (NIL NIL NIL NIL NIL NIL NIL NIL)))	CO22500
(RETURN SYMLST)))	CO22600
(COMFLP (INSTRUCTIONS ((FLCAT . LISP) NOVALUE)	CO22700
NIL (BLOCK NIL (IF (COMLCK 2) (RETURN NIL))	CO22800
(COMTYP (QUOTE INTEGER) (CADR EXP))	CO22900
(MOVACTIVE (QUOTE REAL) (QUOTE AC) NIL)))	CO23000
(INSTRUCTIONS ((PROP . LISP) NOVALUE) NIL (COMCAR (QUOTE (. 18))))	CO23100
(INSTRUCTIONS ((CAR . LISP) NOVALUE)	CO23200
NIL (COMCADR (QUOTE (24 18))))	CO23300
(INSTRUCTIONS ((CDR . LISP) NOVALUE) NIL (COMCADR (QUOTE (. 24))))	CO23400
(FUNCTION ((COMCADR . COMPILE) SYMBCL)	CO23500
((X SYMBCL))	CO23600
(BLOCK ((EXP FLUID (IF (DEBUGGING)	CO23700
(LIST (CAR EXP)	CO23800
(CONS (QUOTE (ATMCHK . DEBUG)) (CDR EXP))) EXP)))	CO23900
(RETURN (COMCAR X)))	CO24000
(INSTRUCTIONS ((BIT . LISP) NOVALUE)	CO24100
NIL (BLOCK ((NB SYMBCL) (EL SYMBCL))	CO24200
(IF (COMLCK 4)	CO24300
(RETURN NIL)	CO24400
(AND (NUMBP (CADR EXP)) (NUMBP (CADDR EXP))) (GO CK))	CO24500
(RETURN (COMEXP (CONS (QUOTE (BITS . SYS)) (CDR EXP))))	CO24600
CK (COMTYP (QUOTE CCTL) (CADDR EXP))	CO24700
(IF VINV (MOVACTIVE VTYPE (QUOTE AC) NIL))	CO24800
(SET VBYTE (WHATBITS VBYTE))	CO24900
(IF (AND (LS (SET NB (PLUS (CADR EXP) (CAR VBYTE))) 48)	CO25000
(LS (PLUS NB (SET EL (CADDR EXP))) 49)	CO25100
(LS EL (PLUS 1 (CADR VBYTE)))) (GO FIN))	CO25200

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(MOVMAC VTYPE (QUOTE AC) NIL)                                0025300
(SET VBYTE (LIST (CADR EXP) (CADDR EXP)))                    0025400
(RETURN NIL) FIN (SET VBYTE (LIST NB EL))))                 0025500
(TIMER (MACRO ((RECIP . LISP) SYMBOL))                       0025600
  ((EXP SYMBOL))                                             0025700
  (IF (COMLCK 2) NIL (LIST (QUOTE QUOTIENT) 1.0 (CADR EXP)))) 0025800
(INSTRUCTIONS ((QUOTIENT . LISP) NOVALUE)                    0025900
  NIL (BLOCK NIL (DIVIDE. (QUOTE INTEGER) (QUOTE LDA)))     0026000
  (ATTACH (QUOTE (MUL 1 (L567.7 R S))))                      0026100
  (ATTACH1 (CCNS (QUOTE DVD)))                                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) NOVALUE)                    0026500
  NIL (BLOCK 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 (BLOCK ((TYPE SYMBOL))                                  0027100
    (PARITY SYMBOL) (FORM SYMBOL) (SYM SYMBOL))              0027200
    (SET SYM (COMARI 1 (COMARGS)))                            0027300
    (STIMS . SYS)                                             0027400
    MPIALG PLSMOV PLINVP 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 FORM (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
  (MOV PDS VTYPE NIL)                                         0028600
  (INHERIT FORM)                                              0028700
  (SET PARITY VINV)                                           0028800
  AT (SET VINV NIL)                                           0028900
  (LSTLST (LAST FORM))                                        0029000
  (MOVMAC (QUOTE SYMBOL) (QUOTE AC) NIL)                       0029100
  (CALCOMP (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 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
  (MOV PDS VTYPE NIL)                                         0030200
  (INHERIT FORM)                                              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 SYMBOL) (INST SYMBOL))                              0030800
  (BLOCK ((X SYMBOL))                                         0030900
    (IF (COMLCK 3) (RETURN (CLUNK))))                          0031000
    (COMTYP XTYPE (CADDR EXP))                                0031100
    (IF (OR VREG VINV (NOT (EXHOCKY INST NIL))) (MOV PDS XTYPE NIL)) 0031200
    (SET X (VLIST))                                           0031300
    (COMVAL (CADR EXP) XTYPE NIL (QUOTE AC)) (INHERIT X))) 0031400
(FUNCTION (MPYALG SYMBOL)                                     0031500

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((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
(MOACTIVE 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
(ADDER (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
(MOVPDS VTYPE NIL)	C035300
(SET PTYPE (SET VPT VTYPE))	C035400
(SET VPS (IF (MEMBER (QUOTE MINUS) VINV) FALSE 1))	C035500
(RESTORE FORM)	C035600
(SET VAS (IF (MEMBER (QUOTE MINUS) VINV) FALSE 1))	C035700
(SET VPT (IF (EQN VPT (QUOTE SYMBOL))	C035800
(QUOTE (SPLUS SMINS))	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
(MOACTIVE (QUOTE SYMBOL) (QUOTE AC) NIL)	C036400
(IF (EQN PTYPE (QUOTE REAL)) (SET VTYPE (QUOTE REAL)))	C036500
(CALCOMP VPT) (GO LOOP)))	C036600
(FUNCTION (MCVPRD SYMBOL)	C036700
((FORM SYMBOL) (I SYMBOL))	C036800
(BLOCK ((VCLASS SYMBOL)	C036900
(VTYPE SYMBOL)	C037000
(VREG SYMBOL)	C037100
(VADDR SYMBOL)	C037200
(VBYTE SYMBOL)	C037300
(VBLOT SYMBOL) (VINV SYMBOL) (VIND SYMBOL) (LISTING SYMBOL))	C037400
(VSET FORM) (RETURN (EXHOCKY I NIL)))	C037500
(FUNCTION (PLIMVP SYMBOL)	C037600
((FORM SYMBOL)) (MCVPRD FORM (QUOTE LDA)))	C037700
(FUNCTION (PLRMVP SYMBOL)	C037800

((FORM SYMBOL)) (MOVPRD FORM (QUOTE FAD)))	0037900
(FUNCTION (PLSMOV SYMBOL)	0038000
((FORM SYMBOL))	0038100
(BLOCK ((LISTING SYMBOL))	0038200
(RESTORE FORM)	0038300
(MOVACTIVE VTYPE (QUOTE AC) NIL) (RETURN (CLUNK)))	0038400
(FUNCTION (PLSPDL SYMBOL)	0038500
NIL (BLOCK ((TEM SYMBOL) (BYTE SYMBOL))	0038600
(SET TEM (VLIST))	0038700
(SET BYTE (IF (BLOCK ((LISTING SYMBOL))	0038800
(MOVPPDS VTYPE VBYTE)	0038900
(RETURN (EXFOCKY (IF (EQN (QUOTE REAL) VTYPE)	0039000
(QUOTE FAD) (QUOTE LDA)) NIL))) VBYTE NIL))	0039100
(VSET TEM)	0039200
(MOVPPDS 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 (CDR LCCLST))	0039900
TAG (MOVACTIVE 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
(MOVARG (IF (EQN TYPE (QUOTE INTEGER)) VTYPE TYPE)	0040600
(QUOTE AC) NIL (QUOTE LDA))))	0040700
(IF (SET LCCLST (CDR 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 (NON NUM ARG TO INV)))	0042400
(RETURN NIL)	0042500
NUM (IF (NCT (FULLW VBYTE)) (MOVACTIVE 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
DAT (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)) (INHERIT (COMDAT (CLUNK))))	0043400
(MACRO ((DIFFERENCE . LISP) SYMBOL)	0043500
((EXP SYMBOL))	0043600
(IF (COMLCK 3)	0043700
C (LIST (QUOTE PLUS)	0043800
(CADR EXP) (LIST (QUOTE MINUS) (CADR EXP))))	0043900
(INSTRUCTIONS ((MINUS . LISP) NOVALUE)	0044000
NIL (COMINV (QUOTE MINUS) (QUOTE RECIP) MINUS1))	0044100

(INSTRUCTIONS ((ABS . LISP) NOVALUE)	0044200
NIL (BLOCK ((Y SYMBOL))	0044300
(IF (COMLCK 2) (RETURN NIL))	0044400
START (COMEXPI (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
DAT (IF (NCT (NUMBP VADDR)) (GO ERR))	0045300
(INHERIT (COMDAT (CLUNK)))	0045400
(SET VADDR (ABS VADDR))	0045500
(RETURN NIL)	0045600
SYM (ATTACH (QUOTE (ARGS)))	0045700
(MOACTIVE (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 (COMLCK 2) (RETURN NIL))	0046900
(COMEXPI (CADR EXP))	0047000
(MOACTIVE 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 (COMLCK 2) (RETURN NIL))	0048500
(COMTYP FROM (CADR EXP))	0048600
(IF (EQN VCLASS (QUOTE DATUM)) (MOACTIVE VTYPE (QUOTE AC) NIL))	0048700
(IF (AND (OR (EQN FROM (QUOTE INTEGER))	0048800
(EQN TO (QUOTE INTEGER)) (EQN TC (QUOTE REAL))) VBYTE)	0048900
(MOACTIVE VTYPE (QUOTE AC) NIL))	0049000
DAT (SET VTYPE TC) (RETURN NIL)))	0049100
(FUNCTION (FTYPEP SYMBOL)	0049200
((X SYMBOL))	0049300
(IF (FTYPP X)	0049400
NIL (BLOCK NIL (COMERR2 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 (COMLCK 2) (RETURN NIL))	0049900
(COMEXPI (CADR EXP))	0050000
(IF (EQN (QUOTE DATUM) VCLASS)	0050100
(GO DAT)	0050200
(AND (OR (EQN VTYPE (QUOTE INTEGER)) (EQN (QUOTE OCTAL) VTYPE))	0050300
(VINDX)) (GO LOC))	0050400

XYZ (MCVACTIVE (QUOTE INTEGER) (QUOTE AC) NIL)	C050500
(INHERIT (QUOTE (LOC OCTAL AC 0 NIL NIL NIL NIL)))	C050600
(RETURN NIL)	C050700
LOC (SET VTYPE (QUOTE OCTAL))	C050800
(SET VIND TRUE)	C050900
(SET VBYTE NIL)	C051000
(RETURN NIL)	C051100
DAT (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 SYMBCL EXP) (EXP SYMBOL (CDDR EXP)))	C051800
(RETURN (CHIZLE (CADR X) (CADDR X))))))	C051900
(INSTRUCTIONS ((DRIVE . LISP) NOVALUE)	C052000
NIL (IF (CR (COMLCK 3) (FTYPEP (CADR EXP)))	C052100
NIL (CCMTYP (CADR EXP) (CADDR EXP)))	C052200
(INSTRUCTIONS ((CORENTRY . LISP) NOVALUE)	C052300
NIL (IF (COMLCK 2)	C052400
NIL (BLOCK NIL (INHERIT (QUOTE (LOC OCTAL NIL NIL NIL NIL NIL NIL NIL)	C052500
)) (SET VADDR (CONS (QUOTE ENTRY) (CDR EXP))))))	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))))))	C053100
(INSTRUCTIONS ((S20. . LISP) NOVALUE)	C053200
NIL (CHIZLE (QUOTE SYMBCL) (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 ((C2S. . 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
(WORDS (MACRO ((INVERT . LISP) SYMBCL)	C055200
((EXP SYMBOL))	C055300
(IF (COMLCK 2)	C055400
NIL (LIST (QUOTE WORDXOR) 7777777777777777Q (CADR EXP)))	C055500
(INSTRUCTIONS ((WORDOR . LISP) NOVALUE)	C055600
NIL (COMWRD OQ (QUOTE ORA)	C055700
(FUNARG SYMBCL ((A SYMBOL) (B SYMBCL)) (WORDOR A B)))	C055800
(INSTRUCTIONS ((WORDAND . LISP) NOVALUE)	C055900
NIL (COMWRD 7777777777777777Q (QUOTE ANA)	C056000
(FUNARG SYMBCL ((A SYMBOL) (B SYMBCL)) (WORDAND A B)))	C056100
(INSTRUCTIONS ((WORDXOR . LISP) NOVALUE)	C056200
NIL (COMWRD OQ (QUOTE XCR)	C056300
(FUNARG SYMBCL ((A SYMBOL) (B SYMBCL)) (WORDXOR A B)))	C056400
(FUNCTION (WRDHLP SYMBCL)	C056500
((LST SYMBCL))	C056600
(COMOPT LST (FUNCTION (G01600 SYMBCL)	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
LOP (INHERIT (CAR LOCLST))	0057200
(ATTACH1 (CONS INSTRUCTION (MCVARG (QUOTE OCTAL)	0057300
(QUOTE AC) NIL (QUOTE LDA))))	0057400
(IF (SET LOCLST (CDR LOCLST)) (GC LOP))	0057500
(INHERIT (QUOTE (ACTIVE OCTAL AC NIL NIL NIL (AC) NIL))))	0057600
PLSMOV (FUNCTION (G01601 SYMBOL)	0057700
((FORM SYMBOL))	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 (CCMWRD SYMBOL)	0058300
((IDATA SYMBOL)	0058400
(INSTRUCTION SYMBOL) (LOGFCN (FUNCTIONAL SYMBOL SYMBOL SYMBOL)))	0058500
(BLOCK ((TEM 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) (GC DAT))	0060000
(SET LST (CCNS (CLUNK) LST))	0060100
(GO G01603)	0060200
DAT (SET DATA (LOGFCN DATA VADDR))	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 (WRDHLP LST))	0061000
(IF LST (GC 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 SYMBOL)	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 SYMBOL)	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) NOVALUE)	0063100
NIL (BLOCK ((X SYMBOL) (XBLOT SYMBOL) (TYP SYMBOL) (FREG SYMBOL))	0063200
(IF (CCMLCK 3) (RETURN NIL))	0063300
(BLOCK ((VCLASS SYMBOL)	0063400
(VTYPE SYMBOL)	0063500
(VREG SYMBOL)	0063600
(VADDR SYMBOL)	0063700
(VIND SYMBOL)	0063800
(VINV SYMBOL) (VBLOT SYMBOL) (VBYTE SYMBOL) (LISTING SYMBOL))	0063900
(COMEXPI (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 XBLOT (GVBLOT X))))	0064600
(QUOTE AC)	0064700
(NOT (MEMBER (QUOTE B) XBLOT))	0064800
(QUOTE B) (NOT (MEMBER (QUOTE L) XBLOT)) (QUOTE L) NIL))	0064900
(IF SCLASS (GO STAT)	0065000
(SET TYP (EQTYPE XTYPE (GVTYPE X))) (GO ETYP))	0065100
(COMEXPI (CADDR EXP))	0065200
(IF (MEMBER (QUOTE X2) XBLOT)	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 (MOVPS VTYPE NIL)	0065800
OK (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 (CADDR EXP))	0066700
(IF (MEMBER (QUOTE X2) XBLOT) (GO VREGP))	0066800
SAVE (IF (NOT (FULLP TYP (GVBYTE X)))	0066900
(GO VREGP)	0067000
(MEMBER VREG XBLOT)	0067100
(IF FREG (GO MACT) (GO SAFE))	0067200
(EQN VCLASS (QUOTE ACTIVE))	0067300
(IF (AND (NOT VINV) (FULLP VTYPE VBYTE)) (GO OK) (GO MACT))	0067400
(NOT FREG) (GO OK))	0067500
MACT (MOVACTIVE TYP FREG NIL)	0067600
(GO OK)	0067700
STAT (COMTYP (GVTYPE X) (CADDR EXP))	0067800
(IF (OR (AND VREG (MEMBER (QUOTE X2) XBLOT))	0067900
(AND (SET TYP (MEMBER VREG XBLOT)) (NOT FREG)))	0068000
(MOVPS VTYPE NIL) (AND TYP FREG) (MOVACTIVE VTYPE FREG NIL))	0068100
(LSTLST (LAST X)) (SET. X)))	0068200
(INSTRUCTIONS ((LOCSET . LISP) NOVALUE)	0068300
NIL (BLOCK ((TYP SYMBOL) (BLOT SYMBOL) (LST SYMBOL))	0068400
(IF (CCMLCK 3) (RETURN NIL))	0068500
(COMEXPI (CADDR EXP))	0068600
(IF (AND (EQN (QUOTE LOC) VCLASS) (FULLW VBYTE) (NOT VINV))	0068700
(GO A))	0068800
(COMER2 (CADDR EXP) (QUOTE (NON FULL LOC 2 ARG IN LOCSET)))	0068900
A (SET TYP VTYPE)	0069000
(MAKELCC)	0069100
(SET BLOT VBLOT)	0069200
(SET LST LISTING)	0069300

(VSET (QUOTE (NIL NIL NIL NIL NIL NIL NIL NIL)))	0069400
(SET LISTING NIL)	0069500
(COMEXPI (CADR EXP))	0069600
(IF (EQN VTYPE TYP) (GC XGQ))	0069700
(COMERR (QUOTE (UNEQ TYPES IN LOCSET)))	0069800
XGQ (IF (AND (EQN VCLASS (QUOTE LOC))	0069900
(NOT VREG)	0070000
VIND (NOT LISTING) (FULLW VBYTE) (NOT VBLOT) (NOT VINV))	0070100
(GO B))	0070200
(COMER2 (CADR EXP) (QUOTE (NON LOC VAR 1 ARG TO LOCSET)))	0070300
B (SET LISTING (CONS (LIST (QUOTE STF) VADDR) LST))	0070400
(INHERIT (QUOTE (LOC NIL AC 0 NIL NIL NIL NIL)))	0070500
(SET VTYPE TYP) (SET VBLOT 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 (FCRX SYMBOL)	0071100
((X SYMBOL)) (SET LISTING (NCONC LISTING (LIST X))))	0071200
(FUNCTION (FCRTRM SYMBOL)	0071300
NIL (BLOCK ((X SYMBOL))	0071400
(SET X (CADDR 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) FGO)))	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) TGO))) (SET X (CDR X)) GO1606))	0072200
(FORX (CAR X)))	0072300
(MACRO ((FCR . LISP) SYMBOL)	0072400
((EXP SYMBOL))	0072500
(BLOCK ((TGC SYMBOL)	0072600
(FGO 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. (OR. ((OR. LOOP IN ON) S.)	0073300
((OR. RESET STEP) S. S.)	0073400
(STEP S. S. (OR. EQ NQ LQ 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 (FORSET (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
(FORX (LIST (QUOTE IF)	0075400
(LIST (QUOTE NULL) G1) (LIST (QUOTE GO) FGO)))	0075500
(FORSET (IF (EQN (CAR FL) (QUOTE ON))	0075600

G1 (LIST (QUOTE CAR) G1)))	0075700
(FORTRM)	0075800
(FORX TGC)	0075900
(FORX (LIST (QUOTE SET) G1 (LIST (QUOTE CDR) G1))) G01610)	0076000
(EQN CFL (QUOTE STEP))	0076100
(BLOCK NIL (IF (NUMBP (SET CFL (CADDR FL)))	0076200
(SET G1 CFL) (SET G (LIST (LIST G1 (QUOTE ASSIGNED) CFL))))	0076300
(FORSET (CADR FL))	0076400
(FORX L)	0076500
(IF (SET CFL (CADDR FL))	0076600
(BLOCK NIL (IF (NUMBP (CADR CFL))	0076700
(SET G2 (CADR CFL))	0076800
(SET G (NCONC G (LIST (LIST G2 (QUOTE ASSIGNED)	0076900
(CADR CFL))))))	0077000
(FORX (LIST (QUOTE IF)	0077100
(LIST (CAR CFL) VADDR G2) (LIST (QUOTE GO) FGO))) G01612))	0077200
(FORTRM)	0077300
(FORX TGC) (FORSET (LIST (QUOTE PLUS) VADDR G1)) G01611))	0077400
(RETURN (NCONC (NCONC (LIST (QUOTE BLOCK) G) LISTING)	0077500
(LIST (LIST (QUOTE GO) L) FGO)))	0077600
E (CMERR (QUOTE (ILLEGAL FOR STATEMENT))))))	0077700
****END OF FILE DETECTED	

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


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(CADR (SASSOC R (QUOTE ((AC LDC) (B LBC) (L LLC))) CADRNIL)) 0006400
(CADR (SASSOC R (QUOTE ((AC LDA) (B LDB) (L LDL))) CADRNIL))) 0006500
(FUNCTION (LDCMP SYMBOL) 0006600
  ((R SYMBOL)) 0006700
  (BLOCK ((VINV SYMBOL)) 0006800
    (SET VINV (QUOTE (MINUS))) (RETURN (LOPC R)))) 0006900
(FUNCTION (CADRNIL SYMBOL) NIL (QUOTE (NIL NIL))) 0007000
(FUNCTION (TRANSA2L SYMBOL) 0007100
  NIL (IF (NUMBP VREG) 0007200
    (CONS VREG (QUOTE (Z.))) 0007300
    (CADR (SASSOC VREG (QUOTE ((AC A.) (B B.) (L L.))) CADRNIL)))) 0007400
(FUNCTION (CONVP SYMBOL) 0007500
  ((NEW SYMBOL)) 0007600
  (CADR (SASSOC NEW (CDR (SASSOC VTYPE (QUOTE ((OCTAL (INTEGER OI)
    (REAL IR) 0007700
    (SYMBOL (OCT2SYM . LISP)) (BCOLEAN TRU) (OCTAL V)) 0007800
    (INTEGER (REAL IR) 0007900
    (SYMBOL (INT2SYM . LISP)) 0008000
    (OCTAL MZ) (BCOLEAN TRU) (INTEGER V)) 0008100
    (REAL (INTEGER (ROUND . LISP)) 0008200
    (SYMBOL (REAL2SYM . LISP)) 0008300
    (OCTAL (CCTROUND . LISP)) (BCOLEAN TRU) (REAL V)) 0008400
    (SYMBOL (INTEGER (SYM2INT . LISP)) 0008500
    (REAL (SYM2REAL . LISP)) 0008600
    (OCTAL (SYM2OCT . LISP)) 0008700
    (BCOLEAN SP) (FUNCTIONAL (SYM2FORM . LISP)) (SYMBOL V)) 0008800
    (FUNCTIONAL (SYMBOL (FORM2SYM . LISP)) 0008900
    (BCOLEAN TRU) (FUNCTIONAL V)) 0009000
    (BOCLEAN (SYMBOL V) (BOCLEAN V)))) 0009100
    (FUNCTION (GO1613 SYMBOL) NIL (QUOTE (A (A A)))))) CADRNIL))) 0009200
(FUNCTION (ADDRMCDS SYMBOL) 0009300
  ((I SYMBOL) (R SYMBOL)) 0009400
  (IF (NULL I) 0009500
    (IF (NULL R) 0009600
      0 (EQN R (QUOTE AC)) 0009700
      15 (NUMBP R) 0009800
      R (COMER2 R (QUOTE (ERROR IN VREG OR XREG NO TAG)))) 0009900
    (NULL R) 0010000
    (QUOTE I) 0010100
    (EQN R (QUOTE AC)) 0010200
    (QUOTE (15 I)) 0010300
    (NUMBP R) 0010400
    (LIST R (QUOTE I)) 0010500
    (ATOM R) 0010600
    (COMER2 R (QUOTE (ILLEG TAG))) 0010700
    (NULL (CAR R)) (QUOTE I) (LIST (CAR R) (QUOTE I)))) 0010800
(FUNCTION (BMDCS SYMBOL) 0010900
  ((XCLASS SYMBOL) (XBYTE SYMBOL)) 0011000
  (IF (AND (FULLW VBYTE) (FULLW XBYTE)) 0011100
    NIL (AND (ATOM VBYTE) 0011200
      (EQN VBYTE XBYTE) (EQN XCLASS (QUOTE ACTIVE))) 0011300
    VBYTE (BLOCK ((E1 SYMBOL) 0011400
      (E2 SYMBOL) (E3 SYMBOL) (L1 SYMBOL) (L2 SYMBOL)) 0011500
      (IF (EQN XCLASS (QUOTE ACTIVE)) (GO A)) 0011600
      (SET E1 (QUOTE S)) 0011700
      (SET E2 (TRANS VBYTE)) 0011800
      (SET E3 (TRANS XBYTE)) 0011900
      B (IF (OR (NULL E2) (NULL E3)) 0012000
        (RETURN 0) 0012100
        (OR (EQ (SET L1 (LENGTH E2)) (SET L2 (LENGTH E3))) 0012200
          (EQ L1 1) (EQ L2 1)) 0012300
        (GO C) 0012400
        (GR L1 L2) 0012500
        (GR L1 L2) 0012600

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(SET E2 (LIST (LAST E2)))	0012700
(EQN E1 (QUOTE 'L))	0012800
(SET E3 (LIST (LAST E3))) (RETURN 77777777777777777777Q))	0012900
C (RETURN (MAKEID (COMPRESS (APPEND (CONS E1 E2)	0013000
(CONS (QUOTE '.') E3))))	0013100
A (SET E1 (QUOTE L))	0013200
(SET E2 (TRANS XBYTE)) (SET E3 (TRANS VBYTE)) (GO B)))	0013300
(FUNCTION (TRANS SYMBOL)	0013400
((B SYMBOL))	0013500
(IF (NULL B)	0013600
(QUOTE ('7))	0013700
(ATOM B) (COMER2 B (QUOTE (NOT A BYTE MODIFIER))) (TRANS1 B)))	0013800
(FUNCTION (TRANS1 SYMBOL)	0013900
((B SYMBOL))	0014000
(BLOCK ((R SYMBOL) (N SYMBOL) (A SYMBOL))	0014100
(SET R (CAR B))	0014200
(SET N (CADR B))	0014300
(IF (OR (GR (SET N (PLUS R N)) 48)	0014400
(NOT (EQ (REMAINDER R 6) 0)) (NOT (EQ (REMAINDER N 6) 0)))	0014500
(RETURN NIL))	0014600
X (IF (NULL (CAR (SET A (CONS (GETN (QUOTE (0 '7 6 '6 12 '5 18 '4	0014700
24 '3 30 '2 36 '1 42 '0)) R) A))))	0014800
(RETURN (COMER2 B (QUOTE (ILLEGAL MODIFIER)))))	0014900
(IF (EQ (SET R (PLUS R 6)) N) (RETURN A)) (GO X)))	0015000
(FUNCTION (TAGF SYMBOL)	0015100
((B SYMBOL) (A SYMBOL))	0015200
(IF (OR (EQ 0 A) (NULL A))	0015300
(IF (NULL B) 0 B)	0015400
(EQ 0 B)	0015500
A (NULL B)	0015600
A (ATOM A)	0015700
(IF (ATOM B) (LIST B A) (CONS A B))	0015800
(ATOM B) (CONS B A) (APPEND B A)))	0015900
(FUNCTION SASSOC (X L (FN (FUNCTIONAL SYMBOL)))	0016000
((IF (SET X (FIND X L)) X (FN))))	0016100
(MCVEPI (FUNCTION (CNVL2AC SYMBOL)	0016200
((TYP SYMBOL) (BYT SYMBOL))	0016300
(BLOCK ((A SYMBOL) (B SYMBOL))	0016400
(IF (NULL (SET A (CONVP TYP)))	0016500
(RETURN 0)	0016600
(NOT (ATOM A))	0016700
(ATTACH (QUOTE (ARGS)))	0016800
(EQN A (QUOTE V))	0016900
(RETURN (BLOCK NIL (SET VTYPE TYP) (RETURN 2)))	0017000
(EQN A (QUOTE 0))	0017100
(GO NC)	0017200
(EQN A (QUOTE TRU))	0017300
(RETURN 1)	0017400
(EQN A (QUOTE IR))	0017500
(IF (NOT (FULLW BYT)) (RETURN 0) NIL)	0017600
(NOT (OR (EQN A (QUOTE MZ)) (EQN A (QUOTE SP)))) (RETURN 5))	0017700
(MOVACTIVE VTYPE (QUOTE AC) NIL)	0017800
(IF (ATOM A) (GO OPEN))	0017900
(ATTACH (LIST (QUOTE CALL) A))	0018000
(BLOTTC)	0018100
FIN (SVACT (QUOTE AC) NIL)	0018200
(SET VTYPE TYP)	0018300
(IF (FULLW BYT) (RETURN NIL))	0018400
(RETURN (ACT2ACT (QUOTE AC) BYT))	0018500
OPEN (IF (EQN A (QUOTE IR))	0018600
(BLOCK NIL (ATTACH (QUOTE (FLT (ENTRY B48.)))))	0018700
(BLOTCH (QUOTE B)))	0018800
(EQN A (QUOTE MZ))	0018900

(ATTACH (QUOTE (BUC (ENTRY IZCENT) 0 4)))	0019000
(EQN A (QUOTE SP)) (GC 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 (BBAD VBYTE) (RETURN 3))	0019700
(RETURN (MCVCI (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 (ITSTRC 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)) (OR (EQ VBYTE XB) (AND (FULLW VBYTE) (FULLW XB))))	0024000
(FUNCTION (NADDR SYMBOL)	0024100
((VAL SYMBOL) (TYPE SYMBOL) (B SYMBOL))	0024200
(BLOCK ((C SYMBOL) (V SYMBOL) (VBYTE SYMBOL))	0024300
(IF (NUMBP (SET V (BMODS (QUOTE ACTIVE) B)))	0024400
(RETURN (SHFTRA VAL TYPE B))	0024500
(EQN VTYPE (QUOTE BOOLEAN))	0024600
(BLOCK NIL (SET VAL (IF (NULL VAL) 0 1)) (SET C V))	0024700
(EQN TYPE (QUOTE OCTAL))	0024800
(GO OCF) (NOT (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 (CONS (LIST (QUOTE NUMBER) VAL) (IF C (LIST C) NIL)))) 0025500
      (RETURN (LIST VAL (IF V (TAGF (QUOTE R) C) 0025600
      (TAGF (QUOTE L567.7) (TAGF (QUOTE R) C)))))) 0025700
      COF (IF (NCT (NUMBP VAL)) 0025800
      (GO CCF2) (EQ 0 (WORDAND VAL 4Q15)) (GO ND1)) 0025900
      (RETURN (CONS (LIST (QUOTE NUMBER) VAL) 0026000
      (IF C (LIST C) NIL))) OUF2 (SET VAL 0) (GO ND1))) 0026100
(FUNCTION (SHFTRA SYMBOL) 0026200
((VAL SYMBOL) (TYPE SYMBOL) (B SYMBOL)) 0026300
(BLOCK ((V SYMBOL)) 0026400
(SET V (WHATBITS B)) 0026500
(IF (EQN (QUOTE REAL) TYPE) 0026600
(RETURN (IF (EQ 0 VAL) (QUOTE (0 R)) NIL)) 0026700
(EQN (QUOTE BOOLEAN) TYPE) 0026800
(IF VAL (SET VAL 1) (RETURN (QUOTE (0 R)))) 0026900
(NOT (NUMBP VAL)) (SET VAL 0)) 0027000
NUM (IF (EQN TYPE (QUOTE INTEGER)) 0027100
(GO A2) 0027200
(NOT (EQN TYPE (QUOTE OCTAL))) 0027300
(RETURN NIL) 0027400
(EQ 0 (WORDAND VAL 4Q15)) 0027500
(GO A1) 0027600
(FULLW B) 0027700
(RETURN (CONS (LIST (QUOTE NUMBER) VAL) NIL)) 0027800
(SET VAL (WORDAND VAL (MSK (LIST 0 (CADR V)))))) 0027900
A1 (SET B NIL) 0028000
(GO A3) 0028100
A2 (SET B (QUOTE (S))) 0028200
A3 (SET TYPE (IF (LS VAL 0) -1 1)) 0028300
(IF (GR (SET VAL (SHIFT (WORDAND (ABS VAL) 0028400
(PLUS (SHIFT 1Q (CADR V)) -1)) 0028500
(REMAINDER (CAR V) 6))) 37777777Q) 0028600
(RETURN (CONS (LIST (QUOTE NUMBER) (TIMES TYPE VAL)) NIL))) 0028700
(SET V (GETN (QUOTE (0 (R L4567.7) 0028800
1 (R L3456.7) 0028900
2 (R L2345.7) 0029000
3 (R L1234.7) 0029100
4 (R L0123.7) 5 (R L012.7) 6 (R L01.7) 7 (R L0.7)))) 0029200
(IQUOTIENT (CAR V) 6))) 0029300
(RETURN (LIST (WORDOR 0Q (TIMES TYPE VAL)) 0029400
(APPEND (IF V V (QUOTE (R)) B)))))) 0029500
(FUNCTION (MSK SYMBOL) 0029600
((B SYMBOL)) 0029700
(BLOCK NIL (SET B (WHATBITS B)) 0029800
(RETURN (WORDAND (SHIFT 37777777777777777777Q (CAR B)) 0029900
(SHIFT 37777777777777777777Q (PLUS -47 (CAR B) (CADR B)))))) 0030000
(FUNCTION (MDECR SYMBOL) 0030100
NIL (IF (EQN VCLASS (QUOTE ACTIVE)) 0030200
(TRANSA2L) 0030300
(EQN VCLASS (QUOTE LOC)) 0030400
(IF (OR VIND VREG) (COMERR (QUOTE (CAN NOT BE A DECR))) VADDR) 0030500
(NOT (EQN VCLASS (QUOTE DATUM))) 0030600
(COMER2 VCLASS (QUOTE (NOT A LEGAL CLASS))) 0030700
(OR (EQN VTYPE (QUOTE REAL)) 0030800
(EQN VTYPE (QUOTE OCTAL)) (EQN VTYPE (QUOTE INTEGER))) 0030900
(LIST (QUOTE NUMBER) VADDR) 0031000
(EQN VTYPE (QUOTE SYMBOL)) 0031100
(SYMOD VADDR) 0031200
(EQN VTYPE (QUOTE BOOLEAN)) 0031300
(IF VADDR 1 0) (COMER2 VTYPE (QUOTE (IS NOT A LEGAL DECR)))))) 0031400
(MCPEP2 (FUNCTION (CNVD SYMBOL) 0031500

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

(EQN X (QUOTE OI))	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
DAT (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
AD (IF (EQN VTYPE (QUOTE INTEGER))	0041200
(SET C (TAGF (IF (FULLW VBYTE) 0 (QUOTE S))	0041300
(TAGF C (ADDRMODS 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 AD)	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 (SYMOD 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 (CONS A (IF (NULL W) NIL (QUOTE ((R L4567.7))))))	0043500
(NUMBP (SET V (BMODS (QUOTE ACTIVE) B)))	0043600
(RETURN (IF (ATOM A) (SHFTRA A (QUOTE OCTAL) B) NIL))	0043700
(NULL W) (RETURN (LIST A V)) (RETURN (LIST A (CONS V W))))	0043800
X (IF (NOT (EQN (LXRM B) (QUOTE RA)))	0043900
(RETURN NIL)	0044000
(EQN VCLASS (QUOTE DATUM))	0044100

(GO LDXR)	0044200
(NULL (SET A (LXRM VBYTE)))	0044300
(RETURN NIL)	0044400
(EQN VCLASS (QUOTE ACTIVE))	0044500
(RETURN (IF (EQN A (QUOTE RA))	0044600
(IF (NUMBP VREG)	0044700
(LIST 0 (LIST (QUOTE R) VREG))	0044800
(EQN VREG (QUOTE AC))	0044900
(LIST 0 (QUOTE (R 15))) (LIST (TRANSA2L)))	0045000
(LIST (TRANSA2L) A)))	0045100
(RETURN (LIST VADDR (TAGF A (ADDRMODS VIND VREG))))))	0045200
LDXR (IF (OR (EQN VTYPE (QUOTE INTEGER))	0045300
(EQN VTYPE (QUOTE OCTAL)))	0045400
(RETURN (LXN VADDR))	0045500
(EQN VTYPE (QUOTE REAL))	0045600
(RETURN (LXN (ENTIER VADDR)))	0045700
(EQN VTYPE (QUOTE SYMBOL))	0045800
(RETURN (LIST (SYMOD VADDR) (QUOTE R)))	0045900
(EQN VTYPE (QUOTE BCLEAN))	0046000
(RETURN (LIST (IF VADDR 1 0) (QUOTE R)))	0046100
(EQN VTYPE (QUOTE FUNCTIONAL))	0046200
(RETURN (LIST (LIST (QUOTE FUNCTION) VADDR) (QUOTE R)))	0046300
(RETURN NIL))	0046400
F (IF (EQN VCLASS (QUOTE DATUM))	0046500
(GO FD) (EQN VTYPE (QUOTE REAL)) (GO FR) (RETURN NIL))	0046600
FD (IF (EQN VTYPE (QUOTE REAL))	0046700
(RETURN (LIST (LIST (QUOTE NUMBER) VADDR)))	0046800
(OR (EQN VTYPE (QUOTE INTEGER)) (EQN VTYPE (QUOTE OCTAL)))	0046900
(RETURN (LIST (LIST (QUOTE NUMBER) (FLOAT VADDR))))	0047000
(RETURN NIL))	0047100
FR (IF (EQN VCLASS (QUOTE ACTIVE))	0047200
(RETURN (LIST (TRANSA2L)))	0047300
(EQN VCLASS (QUOTE LOC))	0047400
(RETURN (LIST VADDR (ADDRMODS VIND VREG))))))	0047500
(FUNCTION (MCVCI SYMBOL)	0047600
(XREG SYMBOL) (XBYTE SYMBOL))	0047700
(BLOCK NIL (MCVACTIVE VTYPE XREG XBYTE)	0047800
(SET VTYPE (QUOTE INTEGER)) (RETURN NIL)))	0047900
(MCVEP3 (FUNCTION (MAKELOC SYMBOL)	0048000
NIL (BLOCK NIL (IF (NOT (AND (EQN VCLASS (QUOTE LOC))	0048100
(FULLW VBYTE) (NULL VINV)))	0048200
(RETURN (COMER2 (VLIST) (QUOTE (NOT LEGAL FOR MAKELOC))))	0048300
(ATOM VREG)	0048400
(IF (NULL VREG) (SET VREG 0) NIL) (SET VREG (CAR VREG)))	0048500
(IF VIND (GO INDIRECT)	0048600
(OR (NULL VADDR) (EQ VADDR 0))	0048700
(GO TONLY)	0048800
(MEMBER VREG (QUOTE (AC 15)))	0048900
(GO AVADDR)	0049000
(EQ 0 VREG)	0049100
(BLOCK NIL (ATTACH (LIST (QUOTE LDX) VADDR (QUOTE R) 4))	0049200
(SET VREG 4))	0049300
(ATTACH (LIST (QUOTE BAX) (QUOTE (D. 1)) VREG VADDR)))	0049400
(BLOTCH VREG)	0049500
(GO LONLY)	0049600
AVADDR (ATTACH (LIST (QUOTE ADD) VADDR (QUOTE (R L567.7))))	0049700
(GO DONE)	0049800
TONLY (IF (MEMBER VREG (QUOTE (AC 15))) (GO DONE))	0049900
LONLY (ATTACH (LIST (QUOTE LDA) (TRANSA2L) (QUOTE L567.7)))	0050000
(GO DONE)	0050100
INDIRECT (ATTACH1 (LIST (QUOTE LDA) VADDR VREG))	0050200
DONE (SET VTYPE (QUOTE SYMBOL))	0050300
(BLOTCH (QUOTE AC)) (RETURN (SVACT (QUOTE AC) NIL)))	0050400

(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 NOCNV)	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
DAT2ACT (IF (CANSTZ XBYTE (LIST (REVA2L XREG)))	0051900
(GO DN)	0052000
(NULL (SET R (EXHOCKY (DXREG XREG) XBYTE)))	0052100
(RETURN (BLOCK NIL (SET VBYTE NIL)	0052200
(MOVACTIVE XTYPE (QUOTE AC) NIL) (ACT2ACT XREG XBYTE)))	0052300
(NUMBP XREG)	0052400
(ATTACH1 (MLDX R XREG)) (ATTACH1 (CONS (LOPC XREG) R)))	0052500
DN (BLCTCH XREG)	0052600
(RETURN (SVACT XREG XBYTE))	0052700
L2A (IF (OR (EQN VADDR (QUOTE PUSHA.))	0052800
(EQN VADDR (QUOTE PUSHB.))) (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 NOCNV) (EQ 3 S) (RETURN (MCV01 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 (COMER2 (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 MOVA)))	0055400
(FUNCTION (LSYMNS SYMBOL)	0055500
NIL (BLOCK 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 (NOT (EQN VCLASS (QUOTE ACTIVE)))	0056100
(RETURN (BLOCK NIL (COMERR (QUOTE (ACT2ACT ENTERED WITH VCLASS	0056200
NOT ACTIVE))) (RETURN (MOVACTIVE VTYPE XREG XBYTE))))	0056300
(EQN VREG XREG) (GC BONLY) (REQ XBYTE) (GO RONLY))	0056400
BOTH (IF (AND (OR (NUMBP VREG) (NUMBP XREG))	0056500
(LXRM VBYTE) (LXRM XBYTE))	0056600
(GO HLFS)	0056700

(OR (EQN VREG (QUOTE AC)) (EQN VREG (QUOTE B)))	0056800
(GO B1)	0056900
(OR (EQN XREG (QUOTE AC)) (EQN XREG (QUOTE B)))	0057000
(GO R1)	0057100
(NOT (NUMBP VREG))	0057200
(GO ISL) (NULL (SET A (EXHOCKY (QUOTE LDX) XBYTE))) (GO USEB))	0057300
(ATTACH1 (MLDX A XREG))	0057400
(GO DONE1)	0057500
B1 (IF (AND (OR (EQN XREG (QUOTE AC))	0057600
(EQN XREG (QUOTE B)) (EQN XREG (QUOTE L)))	0057700
(NOT (NUMBP (SET A (BMODS (QUOTE ACTIVE) XBYTE))))	0057800
(GO B2) (NUMBP XREG) (GO B3))	0057900
(ACT2ACT VREG XBYTE)	0058000
(IF (NCT (EQN XREG (QUOTE AC)))	0058100
(GO RCNLY)	0058200
(AND (EQN (QUOTE ANS) (CAR (SET A (CAR LISTING))))	0058300
(EQ (CADR A) (TRANSA2L)))	0058400
(SET LISTING (CONS (CCNS (QUOTE ANA) (CDR A)) (CDR LISTING)))	0058500
(GO RCNLY))	0058600
(GO DONE)	0058700
R1 (ACT2ACT XREG (IF XBYTE NIL VBYTE))	0058800
(GO BONLY)	0058900
USEB (ACT2ACT (QUOTE B) NIL)	0059000
(ATTACH (MLDX (QUOTE (B. RA)) XREG))	0059100
(GO DONE1)	0059200
ISL (IF (NUMBP (SET A (BMODS (QUOTE ACTIVE) XBYTE)))	0059300
(GO SWAP))	0059400
B2 (ATTACH1 (LIST (LOPC XREG) (TRANSA2L) (IF A A 0)))	0059500
(GO DONE1)	0059600
B3 (ACT2ACT VREG (QUOTE (0 18)))	0059700
(GO XR)	0059800
BONLY (IF (NCT (ISINV (QUOTE MINUS)))	0059900
(GO NCINV)	0060000
(NUMBP VREG)	0060100
(RETURN (BLOCK ((VINV SYMBOL))	0060200
(SET VINV (QUOTE (MINUS)))	0060300
(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 DONE)	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
(NADDR (MSK VBYTE) (QUOTE OCTAL) NIL)))	0062300
(GO DONE)	0062400
INB (ATTACH (CCNS (QUOTE LDA)	0062500
(NADDR (MSK VBYTE) (QUOTE OCTAL) NIL)))	0062600
(BLOTCH (QUOTE AC))	0062700
(ATTACH (LIST (QUOTE ANS) (TRANSA2L)))	0062800
(GO DONE)	0062900
TSTL (IF (EQ (CADR (SPARAM XBYTE)) 0) (GO MSK))	0063000

SWAP (ACT2ACT (QUOTE B) XBYTE)	0063100
(RETURN (ACT2ACT XREG XBYTE))	0063200
ONLY (IF (NUMBP XREG)	0063300
(GO STIXR)	0063400
(NOT (BEQ XBYTE))	0063500
(GO ER1)	0063600
(EQN VREG (QUOTE AC))	0063700
(ATTACH (LIST (QUOTE STF) (REVA2L XREG)))	0063800
(ATTACH (LIST (LOPC XREG) (TRANSA2L))))	0063900
(GO DONE1)	0064000
ER1 (ATTACH (LIST (LOPC XREG)	0064100
(TRANSA2L)	0064200
(IF (NUMBP (SET A (BMODS (QUOTE ACTIVE) XBYTE))) 0 A)))	0064300
(COMERR (QUOTE (BYTE TROUBLE AT ONLY IN ACT2ACT)))	0064400
(GO DONE1)	0064500
HLFS (IF (NOT (NUMBP VREG))	0064600
(GO HLFS1)	0064700
(NUMBP XREG)	0064800
(ATTACH (LIST (QUOTE LDX) 0 VREG XREG))	0064900
(SET A (EXHOCKY (QUOTE LDA) XBYTE))	0065000
(ATTACH1 (CONS (LOPC XREG) A)) (GO HLFO))	0065100
(GO DONE1)	0065200
HLFO (ATTACH (LIST (QUOTE STX) (REVA2L XREG) 0 VREG))	0065300
(SVACT XREG NIL)	0065400
(BLOTCH XREG)	0065500
(GO ONLY)	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
ON (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 (BLOTCH XREG) DONE (RETURN (SVACT XREG XBYTE))))	0067300
(MCVEP4 (FUNCTION (LC2ACT SYMBOL)	0067400
((R SYMBOL) (B SYMBOL)) (IF (LZAP.) (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 (BLOTCH 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 (BBND VBYTE)	0069100
(LC2ACT R VBYTE)	0069200
(EQ R (QUOTE AC))	0069300

(BLOCK NIL (ATTACH1 (LIST (LOPC R) VADDR (ADDRMODS VIND VREG)))	0069400
(SVACT R VBYTE)	0069500
(BLOTCH 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 POP.)))	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 (MVLOCP XTYPE XADDR XREG XIND XBYTE)))	0071000
(SET V (VLIST))	0071100
(SET Y (CAR (SET L (BLOCK ((LISTING SYMBOL) (VBLOT SYMBOL))	0071200
(MVLOCP XTYPE XADDR XREG XIND XBYTE)	0071300
(RETURN (CCNS VBLOT LISTING))))))	0071400
(IF (NOT (DSTRYD XREG Y)) (GO END))	0071500
FNCALL (IF (NULL (SET L (CDR L)))	0071600
(GO NCCALL)	0071700
(EQN (CAAR L) (QUOTE CALL)) (GC MCVSAV) (GO FNCALL))	0071800
NOCALL (IF (NOT (ACEQ (QUOTE AC) XREG)) (GO MOVSAV))	0071900
(VSET V)	0072000
(SET Y (CAR (SET L (BLOCK ((LISTING SYMBOL) (VBLOT SYMBOL))	0072100
(MCVACTIVE XTYPE (QUOTE B) XBYTE)	0072200
(ACT2LCC XADDR XREG XIND XBYTE)	0072300
(RETURN (CCNS VBLOT LISTING))))))	0072400
(IF (DSTRYD XREG Y) (GO MOVSAV))	0072500
END (SET LISTING (NCCNC (CDR L) LISTING))	0072600
(SET VBLCT (UNION VBLCT Y))	0072700
(RETURN NIL)	0072800
MOVSAV (VSET V)	0072900
(RETURN (MCVSAV XTYPE XADDR XREG XIND XBYTE NIL)))	0073000
(FUNCTION (MVLOCP SYMBOL)	0073100
((XTYPE SYMBOL)	0073200
(XADDR SYMBOL) (XREG SYMBOL) (XIND SYMBOL) (XBYTE SYMBOL))	0073300
(BLOCK ((A SYMBOL))	0073400
(IF (NOT (EQN VTYPE XTYPE)) (GO SE))	0073500
ST (IF (OR (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 (COMER2 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 OINK) (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
(OR (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 (ATOM 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
(BLCTCH (QUOTE AC)) (SET XIND NIL) (SET XADDR 0) GO1614))	0078100
(IF (AND (EQN VCLASS (QUOTE LOC))	0078200
(ACEQ (SET Y (IF (ATOM VREG) VREG (CAR VREG))) X))	0078300
(COMERR (QUOTE (VREG AND XREG ARE THE SAME FOR MOVLOC))))	0078400
(SVXREG XADDR X)	0078500
(IF (AND (EQN VCLASS (QUOTE LOC))	0078600
(MEMBER VADDR (QUOTE (POP. TOP. PUSHA. PUSHP.))))	0078700
(SET VADDR (QUOTE (TOP. -1))))	0078800
(MOVLOC XTYPE (QUOTE PCP.) NIL (QUOTE INDIRECT) XBYTE)	0078900
(IF (MEMBER XADDR (QUOTE (POP. TOP. PUSHA. PUSHP.)))	0079000
(ATTACH (QUOTE (POP. 1)))) (RETURN (SVLOC NIL NIL NIL NIL))))	0079100
(FUNCTION (SVXREG SYMBOL)	0079200
((XADDR SYMBOL) (XREG SYMBOL))	0079300
(IF (EQ 0 XADDR)	0079400
(STXREG XREG (QUOTE PUSHP.))	0079500
(BLOCK NIL (BLCTCH XREG) (RETURN NIL))	0079600
NIL (IF (MEMBER XREG (QUOTE (AC 15)))	0079700
(ATTACH (LIST (QUOTE ADD) XADDR (QUOTE (R L567.7))))	0079800
(ATTACH (LIST (QUOTE BAX) (QUOTE (D. 1)) XREG XADDR)))	0079900
(STXREG XREG (QUOTE PUSHP.)) NIL))	0080000
(FUNCTION (STXREG SYMBOL)	0080100
((XREG SYMBOL) (WHERE SYMBOL))	0080200
(BLOCK NIL (IF (OR (EQN XREG (QUOTE AC)) (EQ XREG 15))	0080300
(ATTACH (LIST (QUOTE STF) WHERE))	0080400
(ATTACH (LIST (QUOTE STX) WHERE 0 XREG))))	0080500
(FUNCTION (CANSTZ SYMBOL)	0080600
((XBYTE SYMBOL) (IADR SYMBOL))	0080700
(BLOCK NIL (IF (OR (AND (EQ VADDR 0)	0080800
(OR (MEMBER VTYPE (QUOTE (INTEGER REAL)))	0080900
(AND (EQN VTYPE (QUOTE OCTAL))	0081000
(NOT (EQUALN 7777777777777777Q VADDR))))	0081100
(AND (MEMBER VTYPE (QUOTE (SYMBOL BOOLEAN)))	0081200
(MEMBER VADDR (QUOTE (NIL FALSE))))	0081300
(GO X)	0081400
(NOT (AND (EQN VTYPE (QUOTE OCTAL))	0081500
(EQUALN VADDR 7777777777777777Q) (FULLW XBYTE)))	0081600
(RETURN NIL))	0081700
(ATTACH1 (IF (EQ IADR (QUOTE (A.)))	0081800
(QUOTE (LDA 77Q (L7.7 R S))) (CONS (QUOTE STMZ) IADR)))	0081900

(RETURN TRUE)	0082000
X (IF (FULLW XBYTE)	0082100
(ATTACH1 (CCNS (QUOTE STZ) IADR))	0082200
(BLOCK NIL (ATTACH1 (COMPMSK XBYTE)))	0082300
(ATTACH1 (CONS (QUOTE ANS) IADR)) (BLOTCH (QUOTE AC)) (01615))	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 (ACT2LCC 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	0083500
NOT ACTIVE))))	0083600
(RETURN (MOVLOC VTYPE XADDR XREG XIND XBYTE))))	0083700
VINV (RETURN (BLOCK NIL (MOVACTIVE VTYPE VREG XBYTE)	0083800
(RETURN (ACT2LOC XADDR XREG XIND XBYTE))))	0083900
(NUMBP VREG)	0084000
(GO STX)	0084100
(FULLW XBYTE)	0084200
(GO STF) (NUMBP (SET X (BMODS (QUOTE LOC) XBYTE))) (GO MSKS))	0084300
(ATTACH1 (LIST (STCC VREG) XADDR (TAGF (ADDRMODS XIND XREG) X)))	0084400
(GO XX)	0084500
STF (ATTACH1 (LIST (IF (OR (EQ VREG (QUOTE AC))	0084600
(NOT (FULLW VBYTE))))	0084700
(BLOCK NIL (ACT2ACT (QUOTE AC) NIL) (RETURN (QUOTE STF))))	0084800
(STCC VREG)) XADDR (ADDRMODS XIND XREG)))	0084900
(GO XX)	0085000
STX (IF (NULL (SET X (STXR XBYTE))) (GO CREG))	0085100
(ATTACH1 (LIST (QUOTE STX)	0085200
XADDR (TAGF (IF (EQN X (QUOTE RA)) 0 X)	0085300
(ADDRMODS XIND XREG)) VREG))	0085400
(GO XX)	0085500
CREG (IF (NUMBP (BMODS (QUOTE LCC) XBYTE))	0085600
(SET X (QUOTE AC)) (SET X (QUOTE L)))	0085700
(ACT2ACT X VBYTE)	0085800
(GO 0)	0085900
MSKS (ACT2ACT (QUOTE L) XBYTE)	0086000
(SET X (IF (EQ 0 (SET X (ADDRMODS XIND XREG))) NIL (LIST X)))	0086100
(SET LISTING (NCNOC (REVERSE (LIST (COMPMSK XBYTE)	0086200
(APPEND (LIST (QUOTE ANA)	0086300
(IF (MEMBER XADDR (QUOTE (POP. PUSHA. PUSHP.)))	0086400
(QUOTE TOP.) XADDR)) X)	0086500
(QUOTE (CRA L.))	0086600
(APPEND (LIST (QUOTE STF) XADDR) X))) LISTING))	0086700
(BLOTCH (QUOTE AC)) XX (RETURN (SVLOC XADDR XREG XIND XBYTE))))	0086800
(FUNCTION (CCPMSK SYMBOL)	0086900
((XBYTE SYMBOL)))	0087000
(BLOCK ((VBYTE SYMBOL))	0087100
(RETURN (CCNS (QUOTE LDA)	0087200
(NADDR (WORDXOR 7777777777777777Q (MMSK XBYTE))	0087300
(QUOTE CCTL) NIL))))	0087400
(FUNCTION (ATTACH1 SYMBOL)	0087500
((X SYMBOL))	0087600
(BLOCK ((Y SYMBOL))	0087700
(IF (AND (CDR X) (SET Y (CDDR X))) (GO A))	0087800
(ATTACH X)	0087900
(RETURN NIL)	0088000
A (IF (ATOM (CAR Y))	0088100
(IF (NULL (CDR Y))	0088200

(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 (ATOM 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
****END OF FILE DETECTED	

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(SIM2 (SECTION MANIP BCCLEAN)                                C000100
(FUNCTION ((SIM . LISP) BOOLEAN)                            C000200
((P SYMBOL) (X SYMBOL))                                    C000300
(IF (ATOM P)                                               C000400
(ATMEN P X)                                                C000500
(ATOM (CAR P))                                             C000600
(IF (EQ (QUOTE OR.) (CAR P)) (ORFN (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) (CADDAR P) (CACDDAR P) (CDR P) X) (SIMFN P X))) C001100
(FUNCTION (SIMFN BOOLEAN)                                    C001200
((P SYMBOL) (X SYMBOL))                                    C001300
(IF (ATOM X)                                               C001400
FALSE (AND (SIM (CAR P) (CAR X)) (SIM (CDR P) (CDR X))))) C001500
(FUNCTION (ATMEN 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
(FUNCTION (ORFN BOOLEAN)                                    C002200
((L SYMBOL) (X SYMBOL))                                    C002300
(BLOCK ((Y SYMBOL))                                        C002400
(FOR Y (IN L) (IF (SIM Y X) (RETURN TRUE))) (RETURN FALSE))) C002500
(FUNCTION (ANYFN BOOLEAN)                                    C002600
((P SYMBOL) (X SYMBOL))                                    C002700
(IF (ATOM X)                                               C002800
(SIM (CDR P) X)                                            C002900
(ORFN (CDAR P) (CAR X)) (SIM (CDR P) (CDR X)) (SIM (CDR P) X))) C003000
(FUNCTION (CNTFN BOOLEAN)                                    C003100
((I INTEGER) (J INTEGER) (M SYMBOL) (P SYMBOL) (X SYMBOL)) C003200
(IF (EQ I 0)                                               C003300
(IF (EQ J 0)                                               C003400
(SIM P X)                                                  C003500
(AND (NOT (ATOM X)) (SIM M (CAR X)))                      C003600
(CNTFN 0 (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 (CONS (QUOTE A.)                        C004200
(FUNCTION ((G02427 . G02428) BCCLEAN) ((A SYMBOL)) (ATOM A))) C004300
(CONS (QUOTE N.)                                          C004400
(FUNCTION ((G02429 . G02430) BCCLEAN) ((N SYMBOL)) (NUMEP N))) C004500
(CONS (QUOTE S.)                                          C004600
(FUNCTION ((G02431 . G02432) BCCLEAN) ((X SYMBOL)) TRUE))) C004700
(CONS (QUOTE L.)                                          C004800
(FUNCTION ((G02433 . G02434) BCCLEAN) ((X SYMBOL)) (LISTP X))) C004900
(CONS (QUOTE ID.)                                         C005000
(FUNCTION ((G02435 . G02436) BCCLEAN) ((X SYMBOL)) (IDP X))) C005100
(CONS (QUOTE V.)                                         C005200
(FUNCTION ((G02437 . G02438) BCCLEAN)                      C005300
((X SYMBOL) (SIM (QUOTE (OR. ID. (ID. . ID.))) X))))) C005400
****END OF FILE DETECTED

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(SUPDEC (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 ((FUNCTID . 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) (DTYPE SYMBOL)))	0002600
(FUNCTION ((DEFAULT . COMPIL) SYMBOL) ((DTYPE 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
(OUTFILE 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) ((ITTY . SYS) SYMBOL OWN))	0004000
(FUNCTION ((LCEXP . LCCMP) SYMBOL) ((EXP SYMBOL FREE) (T SYMBOL)))	0004100
(FUNCTION SREAD NIL)	0004200
(SET MSGFILE (QUOTE (TTY)))	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))) 0006400
(GO X) OUT (MESSAGE (QUOTE LISPEXIT)) (RETURN LISPVALUE))) 0006500
(FUNCTION SREAD NIL (BLOCK ((IN (INPUT INFILE)) R) 0006600
  A (BLOCK (((INTERACT . LISP) FALSE) ((PRNERR . LISP) FALSE)) 0006700
  (TRY R ERR (BLOCK NIL (IF PARENFLAG (ENDIN)) 0006800
    (SET R (IF (EQ FORMAT (QUOTE SL)) (SLREAD) (READ)))))) 0006900
(INPUT IN) 0007000
(IF PRNIL (SPRINT R)) 0007100
(RETURN R) 0007200
ERR (IF (NQ INDEV (QUOTE TTY)) 0007300
  (BLOCK NIL (IF PRNERR (MESSAGE R)) (INPUT IN) (EXIT R))) 0007400
(MESSAGE R) 0007500
(MESSAGE (QUOTE (*STRING 'B 'A 'D ' 'R 'E 'A 'C ', ' 'T 'R 'Y '
  'A 'G 'A 'I 'N '.))) (GO A))) 0007600
(FUNCTION SPRINT (X) 0007700
  (BLOCK ((OUT (OUTPUT OUTFILE))) 0007800
  (PRETTYP X) (OUTPUT OUT) (RETURN X))) 0007900
(FUNCTION EDISUP (J) 0008000
  (IF (NOT (LISTP J)) 0008100
  (CONS J (QUOTE (NOT ED FORMAT))) 0008200
  (BLOCK ((PASS 1)) 0008300
  (RETURN (CONS (CAR J) (MAPCAR (CDR J) OPERATE)))))) 0008400
(FUNCTION ED2SUP (J) 0008500
  (IF (NOT (LISTP J)) 0008600
  (CONS J (QUOTE (NOT ED FORMAT))) 0008700
  (BLOCK NIL (IF (GR (LENGTH J) 2) 0008800
  (BLOCK (((SNAME . COMPIL) SNAME) 0008900
  ((SLIST . COMPIL) SLIST) ((STYPE . COMPIL) STYPE)) 0009000
  (EDISUP J))) 0009100
  (BLOCK ((PASS 2)) 0009200
  (RETURN (CONS (CAR J) (MAPCAR (CDR J) OPERATE)))))) 0009300
(FUNCTION OPERATE (X) 0009400
  (BLOCK ((ERRFLG FLUID FALSE) Z) 0009500
  RESTART (IF (EQ X (QUOTE EXIT)) 0009600
  (EXIT LISPVALUE) 0009700
  (SET Z (FIND X QUOTARGS)) 0009800
  (BLOCK (((PARENFLAG . LISP) FALSE)) 0009900
  (TRY Z EVALER (RETURN (EVALQUOTE (CDR Z)))))) 0010000
  (NOT (LISTP X)) 0010100
  (GO EVAL) 0010200
  (OR (EQ (CAR X) (QUOTE FUNCTION)) (EQ (CAR X) (QUOTE ROUTINE))) 0010300
  (IF (SIM (QUOTE ((CR. V. (V. ID.)) L. (ANY. S.))) (CDR X)) 0010400
  (BLOCK NIL (SET Z (IF (OR (EQ PASS 1) (NULL (CDDDR X))) 0010500
  (FNDEC X) (COMPILER X))) (GO TESTEM))) 0010600
  (OR (EQ (CAR X) (QUOTE MACRO)) 0010700
  (EQ (CAR X) (QUOTE INSTRUCTIONS))) 0010800
  (BLOCK NIL (SET Z (FNAID X)) (GO TESTEM)) 0010900
  (EQ (CAR X) (QUOTE DECLARE)) 0011000
  (BLOCK NIL (SET Z (MAPCAR (CDR X) DECL1)) (GO TESTEM)) 0011100
  (EQ (CAR X) (QUOTE SECTION)) 0011200
  (IF (SIM (QUOTE ((CR. ID. ((C. 0 10000 ID.)) (ANY. ID.))) 0011300
  (CDR X)) 0011400
  (BLOCK NIL (SET Z (SECSET (CADR X) 0011500
  (IF (CDDDR X) (CADDR X) (QUOTE SYMBOL)))) (GO TESTEM))) 0011600
  (EQ (CAR X) (QUOTE DEFAULT)) 0011700
  (IF (SIM (QUOTE (ID.)) (CDR X)) 0011800
  (BLOCK NIL (SET Z (DEFAULT (CADR X))) (GO TESTEM))) 0011900
  (EQ (CAR X) (QUOTE LAP)) 0012000
  (IF (SIM (QUOTE ((ID. (V. ID.) 0012100
  L. (C. 0 10000 (CR. ID. L.)) L. ID.)) (CDR X)) 0012200
  (BLOCK NIL (SET Z (IF (EQ PASS 2) (LAPP X) (CAADADR X))) 0012300
  (GO TESTEM))) (LABEL EVAL (TRY Z EVALER (RETURN (EVAL X)))))) 0012400
(COMER2 X (QUOTE (SYNTAX ERROR))) 0012500
0012600

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TESTEM (IF ERRFLG (GO EVALER))	CO12700
RET (RETURN Z)	CO12800
EVALER (IF (OR (NOT INTERACT) (EQ INDEV (QUOTE TTY))) (GO RET))	CO12900
(SET ERRFLG FALSE)	CO13000
(BLOCK (((BADEXP . LISP) X))	CO13100
(IF (NOT ((LISP . LISP) ITTY CITY (QUOTE IL))) (GO RET))	CO13200
(SET X BADEXP) (GO RESTART))))	CO13300
(FUNCTION EVALQUOTE (FNAME)	CO13400
(BLOCK ((FN (FUNCTIONAL SYMBOL FUNCTIONAL) (CDR FNAME)))	CO13500
(RETURN (FN (CAR FNAME))))))	CO13600
(FUNCTION LAPP (L)	CO13700
(IF (NOT BINLAP)	CO13800
(BLOCK NIL (IF PRNLAP (SPRINT L)))	CO13900
(BLOCK ((X (LAP (CADR L) (CADDR L) (CADDRR L))))	CO14000
(IF ERRFLG (RETURN (LIST X (QUOTE BAD))) PRNLAP (SPRINT L))	CO14100
(IF (EQ (QUOTE RUN) (CDR X))	CO14200
(BLOCK ((V (EVAL (LIST X))))	CO14300
(EXCISE (CAR X) (CDR X)) (RETURN V)) (RETURN X))))))	CO14400
(FUNCTION KEEPER (X)	CO14500
(IF (MEMBER X KEEP) KEEP (SET KEEP (CONS X KEEP))))	CO14600
(FUNCTION FNAID (X)	CO14700
(BLOCK NIL (IF (NOT (OR (SIM (QUOTE (INSTRUCTIONS (CR. V. (V.	CO14800
NOVALUE))) NIL S.)) X)	CO14900
(SIM (QUOTE (MACRO (OR. V. (V. SYMBOL)) (S.) S.)) X)))	CO15000
(GO HACK))	CO15100
(BLOCK ((Z (CADR X)) (MFLAG BOCLEAN (EQ (CAR X) (QUOTE MACRO))))	CO15200
(IF (EQ PASS 1)	CO15300
(RETURN Z)	CO15400
(AND MFLAG (BLOCK ((Y (CADDR X)))	CO15500
(IF (NQ (LENGTH Y) 1)	CO15600
(RETURN TRUE)	CO15700
(SIM (QUOTE V.) (CAR Y))	CO15800
(SET (CAADDR X) (LIST (CAR Y) (QUOTE SYMBOL)))	CO15900
(SIM (QUOTE (V. SYMBOL . S.)) (CAR Y))	CO16000
(RETURN NIL)	CO16100
(SET (CDAADDR X) (CONS (QUOTE SYMBOL) (CDAR Y))))))	CO16200
(GO HACK)	CO16300
(BLOCK NIL (IF (SIM (QUOTE V.) (CADR X))	CO16400
(SET (CADR X)	CO16500
(LIST (CADR X) (IF MFLAG (QUOTE SYMBOL) (QUOTE NOVALUE))))))	CO16600
(RETURN (COMPILER X)))))) HACK (COMER2 X (QUOTE (HACK DEF))))))	CO16700
(FUNCTION COMPILER (X)	CO16800
(BLOCK ((IRLIST . COMPIL) (APLIST . COMPIL))	CO16900
(BLOCK ((F (FUNCTION X)))	CO17000
(RETURN (IF ERRFLG (LIST (CADR X) (QUOTE BAD)) (LAPP F))))))	CO17100
(FUNCTION (COMPILER . LISP)	CO17200
(J) (BLOCK ((PASS 2)) (RETURN ((COMPILER . SUPV) J))))	CO17300
(FUNCTION (EVAL . LISP)	CO17400
(S D E)	CO17500
(BLOCK ((SNAME . COMPIL)	CO17600
(SLIST . COMPIL)	CO17700
(STYPE . COMPIL) (PASS 2) ((ERRFLG . SUPV) FALSE))	CO17800
(OPERATE (LIST (QUOTE SECTION) S D))	CO17900
(IF ERRFLG (RETURN NIL)) (RETURN ((EVAL . SUPV) E))))	CO18000
(FUNCTION ((EVAL . SUPV) SYMBOL)	CO18100
((J SYMBOL))	CO18200
(BLOCK ((V SYMBOL (CONS (GENID) (QUOTE RUN))) (L SYMBOL))	CO18300
(IF (EQ (PASS . SUPV) 1) (RETURN NIL) (NOT TRYLC) (GO BC))	CO18400
LC (BLOCK (((LISTING . LCOMP) SYMBOL FREE))	CO18500
(TRY L BCP (LCEXP J (QUOTE SYMBOL)))	CO18600
(SET L (SUBST (DREVERSE (APPEND (QUOTE ((RETURN) (END)))	CO18700
(LISTING . LCOMP)))	CO18800
(QUOTE E)	CO18900

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(SUBST V (QUOTE V)                                0019000
  (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 . COMPIL)                     0019500
  (LIST (QUOTE FUNCTION) (LIST V (QUOTE SYMBOL)) NIL J))) 0019600
RUN (IF (ERRFLG . SUPV) (GO ERROR))              0019700
(LAP (CADR L) (CADDR L) (CADDDR 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 'L 'U 'E ' . ' . ' . ' ) L)))    0020500
(MESSAGE (LIST (QUOTE (*STRING 'B 'A 'C 'T 'R 'A 'C 'E ' . ' . ' . ' 0020600
  )) BACKTRACE))                                  0020700
(EXCISE (CAR V) (CDR V))                           0020800
ERROR (EXIT (QUOTE (*STRING 'B 'A 'D ' 'E 'V 'A 'L ' .)))) 0020900
(FUNCTION EXCISE (N S)                             0021000
  (BLOCK NIL (DELE (GETFREE N S) KEEP)            0021100
  (RETURN ((EXCISE . LISP) N S))))              0021200
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(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 (ATOM EXP) (NOT (IDP EXP)))	C002100
(RETURN (LCE (QUOTE EXP))) (LISTP EXP) (RETURN (LCFORM)))	C002200
(SET X (LCVAR EXP FALSE))	C002300
(IF (NULL X) (LCEXIT))	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))) (LCEXIT))	C003000
(IF (EQ (CAR D) (QUOTE MACRO))	C003100
(BLOCK ((G (FUNCTIONAL SYMBOL SYMBOL) (NAME2FUNC V)))	C003200
(RETURN (LCE (G EXP))))	C003300
(EQ (CAR D) (QUOTE INSTRUCTIONS))	C003400
(IF (NQ (CDR V) (QUOTE LLISP))	C003500
(LCEXIT)	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
(LCEXIT))	C004600
CALL (ATTACH (QUOTE (ARGS)))	C004700
(SET X (CDADR 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 (NQ T (QUOTE NOVALUE))	C005900
T (BLOCK NIL (ATTACH (QUOTE (STZ A.)))	C006000
(RETURN (QUOTE SYMBOL))))))	C006100
(INSTRUCTIONS ((QUOTE . LLISP) NOVALUE)	C006200
NIL (BLOCK NIL (LCNELS 2)	C006300

(ATTACH (LIST (QUOTE LDA) (QUOTER (CADR EXP))))	0006400
(SET INV (QUOTE SYMBOL))))	0006500
(INSTRUCTIONS ((SET . LLISP) NOVALUE)	0006600
NIL (BLOCK ((X SYMBOL) (T SYMBOL))	0006700
(LCNELS 3)	0006800
(SET X (LCVAR (CADR EXP) FALSE))	0006900
(IF (NULL X) (LCEXIT))	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)) (LCEXIT))	0008100
(ATTACH (CCNS (QUOTE LDA) (CDR D))))	0008200
(FUNCTION (LCVAR SYMBOL)	0008300
((V SYMBOL) (MLCC BOCLEAN))	0008400
(BLOCK ((D SYMBOL (LCFREE V)) (K SYMBOL) (A SYMBOL))	0008500
(IF (NULL D) (RETURN NIL))	0008600
(SET K (CAR D))	0008700
(IF (AND (EQ K (QUOTE CWN))	0008800
(NQ (CADDR D) (QUOTE LOC)) (NOT (SET MLOC (NOT MLOC))))	0008900
(SET A (QUOTE (R L4567.7)))	0009000
(AND (EQ K (QUOTE FUNCTION)) (NOT MLOC))	0009100
(SET A (QUOTE (2Q1 R L4567.7)))	0009200
(MEMBERN K (QUOTE (CWN FLUID FREE)))	0009300
(SET A (IF MLCC 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 . COMPIL)))	0009800
(IF (ATOM V)	0009900
(IF (NOT (IDP V)) (RETURN NIL))	0010000
(BLOCK NIL (SET N (CAR V)) (SET S (LIST (CDR V))))	0010100
(FOR S (IN S)	0010200
(IF (OR (AND (EQ S (QUOTE LISP))	0010300
(SET X (GETFREE N (QUOTE LLISP)))) (SET X (GETFREE N S)))	0010400
(BLOCK NIL (SET V (VARIABLE X))	0010500
(SET X (FVLIST X))	0010600
(IF (NQ (CAR X) (QUOTE MEANS)) (RETURN X))	0010700
(SET V (CCNS (CADR X) (CADDR X))) (RETURN (LCFREE V))))))	0010800
(FUNCTION (LCCONV SYMBOL)	0010900
((T1 SYMBOL) (T2 SYMBOL))	0011000
(BLOCK ((X SYMBOL))	0011100
(IF (EQN T1 T2) (GO R))	0011200
(IF (SET X (FINDN T1 (QUOTE ((OCTAL . OCT2SYM)	0011300
(INTEGER . INT2SYM)	0011400
(REAL . REAL2SYM) (FUNCTIONAL . FORM2SYM))))	0011500
(ATTCON (CDR X)))	0011600
(IF (EQ T2 (QUOTE BOCLEAN))	0011700
(ATTACH (QUOTE (BUC (ENTRY STBENT) 0 4)))	0011800
(SET X (FINDN T2 (QUOTE ((OCTAL . SYM2OCT)	0011900
(INTEGER . SYM2INT)	0012000
(REAL . SYM2REAL) (FUNCTIONAL . SYM2FORM))))	0012100
(ATTCON (CDR X))) R (RETURN T2)))	0012200
(FUNCTION (LCNELS SYMBOL)	0012300
((N INTEGER))	0012400
(IF (AND (LISTP EXP) (EQ (LENGTH EXP) N)) TRUE (LCEXIT)))	0012500
(FUNCTION (LCEXIT SYMBOL) NIL (EXIT NIL))	0012600

(FUNCTION (LCPUSH SYMBOL)	0012700
((T SYMBOL))	0012800
(ATTACH (LIST (QUOTE STF)	0012900
(IF (OR (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 (ATTSEC SYMBOL)	0013600
((X SYMBOL)) (BLOCK NIL (FOR X (IN X) (ATTACH X))))	0013700
(FUNCTION (ATTACH SYMBCL)	0013800
((I SYMBOL)) (BLOCK NIL (SET LISTING (CONS I LISTING))))	0013900
(FUNCTION (QUOTER SYMBOL) ((X SYMBCL)) (LIST (QUOTE QUOTE) X)))	0014000
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(CCMETA (SECTION (COMETA LISP COMPIL SUPV SYS) SYMBOL)	0000100
(DECLARE (COMLIST SYMBOL FLUID)	0000200
((PRNIL . LISP) BOOLEAN FREE FALSE))	0000300
(FUNCTION (CCMETA SYMBOL)	0000400
(X)	0000500
(BLOCK NIL (IF (PRNIL . LISP) (SPRINT X) (SUPOTY (CADR X)))	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)	0001400
(APPEND (SLIST . COMPIL) (QUOTE (LISP))))	0001500
(RETURN (SET (SNAME . COMPIL) (CAR (SLIST . COMPIL)))))	0001600
(FUNCTION (CCMP SYMBOL)	0001700
(F)	0001800
(BLOCK ((VCLASS . COMPIL)	0001900
(VADDR . COMPIL)	0002000
((LISTING . COMPIL) (LIST (QUOTE FUNCTION)))	0002100
(REFLIST . COMPIL) (TGO . COMPIL) (FGC . COMPIL))	0002200
(MAKEFREE (CADR F)	0002300
(SNAME . COMPIL)	0002400
(QUOTE FUNCTION) (QUOTE (FUNCTIONAL SYMBOL)) (QUOTE VALUE))	0002500
(BLOCK ((N (CONS (CADR F) (SNAME . COMPIL))))	0002600
(ATTACH (LIST N (QUOTE SYMBOL)))	0002700
(ATTACH NIL)	0002800
(ATTACH (QUOTE (BEGIN)))	0002900
(COMVAL (CADDR F))	0003000
(ATTACH (QUOTE (END)))	0003100
(ATTACH (QUOTE (RETURN)))	0003200
(SET (LISTING . COMPIL) (DREVERSE (LISTING . COMPIL)))	0003300
(IF (PRNLAP . LISP)	0003400
(SPRINT (LIST (QUOTE LAP)	0003500
(LISTING . COMPIL) (REFLIST . COMPIL) (SNAME . COMPIL))))	0003600
(IF (BINLAP . LISP)	0003700
(LAP (LISTING . COMPIL) (REFLIST . COMPIL) (SNAME . COMPIL))	0003800
(RETURN N))))	0003900
(FUNCTION (ATTACHG SYMBOL)	0004000
(L) (ATTACH (LIST (QUOTE BUC) (LABELER L))))	0004100
(FUNCTION (LABELER SYMBOL) (L) (LIST (QUOTE LABEL) L))	0004200
(FUNCTION ATTACHL (L)	0004300
(BLOCK NIL LCCP (SCOTCH L LISTING)	0004400
(IF (NOT (REFLAB L LISTING)) (RETURN LISTING))	0004500
(BLOCK ((K LISTING))	0004600
A (IF (ATOM (CAR K)) (BLOCK NIL (SET K (CDR K)) (GO A)))	0004700
(IF (AND (EQ (CAAR K) (QUOTE BUC))	0004800
(NOT (ATOM (CADR K))) (GOHERE L (CADR K)))	0004900
(BLOCK NIL (SET (CAAR K)	0005000
(CDR (FINDN (CAADR K) (QUOTE ((BOZ . BNZ) (BNZ . BOZ)))))	0005100
(SET (CDR K) (CDDR K)) (GO LCCP))))	0005200
(RETURN (SET LISTING (CONS L LISTING))))	0005300
(FUNCTION (ATTACH SYMBOL)	0005400
(I)	0005500
(BLOCK NIL (IF (ATOM I)	0005600
(SCOTCH I (LISTING . COMPIL))	0005700
(AND (NOT (ATOM (CAR (LISTING . COMPIL))))	0005800
(MEMBER (CAAR LISTING) (QUOTE (BUC BSX)))	0005900
(NOT (MEMBER I (QUOTE ((ARGS) (END) (CALL)))))	0006000
(RETURN (LISTING . COMPIL))	0006100
(RETURN (SET (LISTING . COMPIL) (CONS I (LISTING . COMPIL)))))	0006200
(FUNCTION (SCOTCH BOOLEAN)	0006300

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

(F1 (LIST (QUOTE BSX) (QUOTE (ENTRY STZENT)) 4 L)))	0012700
(IF (SCCTCH T LISTING)	0012800
(BLOCK NIL (ATTACHL T) (ATTACH T1) (ATTACHL F) (ATTACH F1))	0012900
(BLOCK NIL (ATTACHL F) (ATTACH F1) (ATTACHL T) (ATTACH T1)))	0013000
(IF (NOT TER) (ATTACHL TERGC))	0013100
(SET VCLASS (QUOTE ACTIVE))))))	0013200
(FUNCTION (CCMLOG NOVALUE)	0013300
((B BOOLEAN))	0013400
(IF (NULL (CDR (EXP . COMPIL)))	0013500
(COMPILE B)	0013600
(OR (SCLASS . COMPIL) (NOT (PCONV . COMPIL)))	0013700
(MAKEPRED)	0013800
(BLOCK (T (L (GENID)))	0013900
(FOR T (ON (CDR (EXP . COMPIL)))	0014000
(COMBOL (CAR T)	0014100
(IF (NULL (CDR T))	0014200
(TGO . COMPIL) B NIL (TGO . COMPIL) (TGO . COMPIL) L)	0014300
(IF (NULL (CDR T))	0014400
(FGO . COMPIL)	0014500
(NULL B) NIL (FGO . COMPIL) (FGO . COMPIL) L))	0014600
(ATTACHL L)))	0014700
(FUNCTION (CCMBOL NOVALUE)	0014800
(X (TGO . COMPIL) (FGO . COMPIL))	0014900
(BLOCK NIL (BLOCK ((VCLASS . COMPIL) (VADDR . COMPIL))	0015000
(COMEXP X)	0015100
(IF (NQ VCLASS (QUOTE PRED))	0015200
(BLOCK NIL (MOVAC)	0015300
(IF TGO (ATTACH (LIST (QUOTE BNZ) (LABELER TGO))))	0015400
(IF FGO (ATTACH (LIST (IF TGC (QUOTE BUC) (QUOTE BOZ))	0015500
(LABELER FGO)))))) (SET VCLASS (QUOTE PRED)))	0015600
(FUNCTION (MCVAC NOVALUE)	0015700
NIL (IF (NQ (VCLASS . COMPIL) (QUOTE ACTIVE))	0015800
(BLOCK NIL (ATTACH (CONS (QUOTE LDA) (VADDR . COMPIL)))	0015900
(SET (VCLASS . COMPIL) (QUOTE ACTIVE))))	0016000
(FUNCTION (CCMGO NOVALUE) NIL (ATTACHG (CADR (EXP . COMPIL))))	0016100
(FUNCTION (CCMQC NOVALUE)	0016200
NIL (BLOCK NIL (ATTACH (IF (IDP (CADR (EXP . COMPIL)))	0016300
(SUBST (CADR EXP) (QUOTE I) (QUOTE (LDA (ID I) (R L4567.7))))	0016400
(LIST (QUOTE LDA) (EXP . COMPIL)))	0016500
(SET (VCLASS . COMPIL) (QUOTE ACTIVE))))	0016600
(FUNCTION (CCMSET NOVALUE)	0016700
NIL (BLOCK NIL (COMEXP (CADR (EXP . COMPIL)))	0016800
(IF (AND (NULL (CADDR (EXP . COMPIL)))	0016900
(OR (SCLASS . COMPIL) (PCONV . COMPIL)))	0017000
(BLOCK NIL (ATTACH (CONS (QUOTE STZ) (VADDR . COMPIL)))	0017100
(IF (NOT (SCLASS . COMPIL))	0017200
(BLOCK NIL (IF (FGO . COMPIL) (ATTACHG (FGO . COMPIL)))	0017300
(SET (VCLASS . COMPIL) (QUOTE PRED))))	0017400
(BLOCK ((L (VADDR . COMPIL)))	0017500
(COMVAL (CADDR (EXP . COMPIL)))	0017600
(ATTACH (CONS (QUOTE STF) L))	0017700
(SET (VCLASS . COMPIL) (QUOTE ACTIVE))))))	0017800
(FUNCTION (CCMRET NOVALUE)	0017900
NIL (IF (PCONV . COMPIL)	0018000
(COMBOL (CADR (EXP . COMPIL)) (TGO . COMPIL) (FGO . COMPIL))	0018100
(BLOCK NIL (COMACT (CADR (EXP . COMPIL)))	0018200
(ATTACHG (TERGO . COMPIL))))	0018300
(FUNCTION (CCMBLK NOVALUE)	0018400
NIL (BLOCK ((XGC . COMPIL))	0018500
(IF (TERGO . COMPIL)	0018600
(BLOCK (T) (FOR T (IN (CDDR (EXP . COMPIL))) (COMSTAT T)))	0018700
(BLOCK (((TERGO . COMPIL) (GENID)))	0018800
(BLOCK (((TGC . COMPIL)	0018900

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

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

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