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| (PRECOMP (SECTION SYS OCTAL) | 0000100 |
| (LAP (PATCH (CRG) | 0000200 |
| (ENTRY PDOK (LABEL PDOK)) | 0000300 |
| (ENTRY PDOK1 (LABEL PDCK1)) | 0000400 |
| GO (BUS (D. 1)) | 0000500 |
| (BUS (LABEL A)) | 0000600 |
| RECOV (BUS (D. 1)) | 0000700 |
| (BUS RECCV I) | 0000800 |
| A (LDI 4 (R 7Q6)) | 0000900 |
| (LDX (INTCNT . SYS) 6) | 0001000 |
| (LDX (CDSW . IC) 8) | 0001100 |
| (LDX (INTTY . IC) 4) | 0001200 |
| (BXH 2 (B D) 0) | 0001300 |
| (LDX BPO 8) | 0001400 |
| (ARGS) | 0001500 |
| (CALL START) | 0001600 |
| (BUC (LABEL GO)) | 0001700 |
| (IQ6) | 0001800 |
| (DITTO 4) | 0001900 |
| PDOK1 (BXL (LABEL PDGONE) 8) | 0002000 |
| PDOK (LDX (Z. 2Q1) 4) | 0002100 |
| (BXL (LABEL P) 8) | 0002200 |
| (XEC (LABEL P)) | 0002300 |
| (BUC 4) | 0002400 |
| P (ATX -1 (4 L) 8) | 0002500 |
| (LDX -1 (4 L) 4) | 0002600 |
| (STX (PDADD . GC) 4) PDGONE (LDX PDGONE 4) (BUC 3 4) (END)) | 0002700 |
| ((DDSW . IC) OWN INTEGER VALUE) | 0002800 |
| ((FREEZE . SYS) FLUID BOOLEAN VALUE) | 0002900 |
| ((INTCNT . SYS) OWN INTEGER VALUE) | 0003000 |
| ((FMCALL . SYS) OWN (FUNCTIONAL NOVALUE) VALUE) | 0003100 |
| ((INTERRUPT . SYS) FUNCTION (FUNCTIONAL OCTAL) VALUE) | 0003200 |
| ((INTTY . IC) FUNCTION (FUNCTIONAL NOVALUE) VALUE) | 0003300 |
| (FPG OWN OCTAL VALUE) | 0003400 |
| (FPP OWN OCTAL VALUE) | 0003500 |
| (CHQ OWN OCTAL VALUE) | 0003600 |
| (TRQ OWN OCTAL VALUE) | 0003700 |
| (TRP OWN OCTAL VALUE) | 0003800 |
| (BPG OWN OCTAL VALUE) | 0003900 |
| (BPP OWN OCTAL VALUE) | 0004000 |
| (ARQ OWN OCTAL VALUE) | 0004100 |
| (ARP OWN OCTAL VALUE) | 0004200 |
| (LSP OWN OCTAL VALUE) | 0004300 |
| (LSQ OWN OCTAL VALUE) | 0004400 |
| (TRL OWN OCTAL VALUE) | 0004500 |
| (OBLIST OWN (ARRAY SYMBOL) VALUE) | 0004600 |
| (OBLISZ OWN INTEGER VALUE) | 0004700 |
| (PDOUT OWN SYMBCL VALUE) | 0004800 |
| ((PDADD . GC) OWN OCTAL VALUE) | 0004900 |
| ((PDBUF . GC) OWN OCTAL VALUE) | 0005000 |
| (START FUNCTION (FUNCTIONAL NOVALUE) VALUE) | 0005100 |
| (RECOV FUNCTION (FUNCTIONAL NOVALUE) VALUE) | 0005200 |
| (PDGONE FUNCTION (FUNCTIONAL NOVALUE) VALUE) | 0005300 |
| (FNTRAP FUNCTION (FUNCTIONAL NOVALUE) VALUE) | 0005400 |
| (FMTRAP FUNCTION (FUNCTIONAL NOVALUE) VALUE)) SYS) | 0005500 |
| (LAP (PATCH (CRG) | 0005600 |
| (ENTRY RETURN (LABEL RETURN)) | 0005700 |
| (ENTRY RCUT (LABEL RCUT)) | 0005800 |
| (ENTRY FLBIND (LABEL FLBIND)) | 0005900 |
| (ENTRY FLREST (LABEL FLREST)) | 0006000 |
| (ENTRY STZENT (LABEL STZENT)) | 0006100 |
| (ENTRY ONENT (LABEL ONENT)) | 0006200 |
| (ENTRY I2OENT (LABEL I2OENT)) | 0006300 |

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| (ENTRY STBENT (LABEL STBENT)) | 0006400 |
| (ENTRY B48. (LABEL B48.)) | C006500 |
| (ENTRY INTER (LABEL INTER)) | C006600 |
| RETURN (LDX 0 8 4) | C006700 |
| (ATX -1 (4 L) 8) | C006800 |
| INTER (BPX 1 (6 D) 1) | C006900 |
| (LDX (FREEZE . SYS) I 3) | C007000 |
| (LDX 100 R 6) | C007100 |
| (BXE 1 (3 D) 1) | C007200 |
| (LDX -1 (4 L) 4) | C007300 |
| (STX (C. 1) L 4) | C007400 |
| (BPX (C. 1) 8) | C007500 |
| (LDX (INTERRUPT . SYS) 0 4) | C007600 |
| (BUC 2 4) | C007700 |
| ROUT (LDX 0 8 4) | C007800 |
| (ATX -1 (4 L) 8) | C007900 |
| (BUC 0 4) | C008000 |
| FLBIND (LDX (Z. 2Q1) 0 4) | C008100 |
| (ATX (Z. 8) 0 3) | C008200 |
| FLB1 (BAX (C. 1) 3 -1) | C008300 |
| (LDA 0 (4 L7.123 S)) | C008400 |
| (ADD (Z. 8)) | C008500 |
| (TST 0 4 6Q1) | C008600 |
| (LDA 0 A) | 0008700 |
| (ECH 0 (4 I)) | C008800 |
| (STF 0 3) | C008900 |
| (TST 0 4 51Q) | C009000 |
| (BAX (LABEL FLB1) 4 1) | C009100 |
| (BUC 1 4) | C009200 |
| FLREST (STP (LABEL FLR2) S567.7) | C009300 |
| (LDX -1 (7 L) 3) | C009400 |
| (ATX (Z. 8) 0 3) | C009500 |
| FLR1 (BAX (C. 1) 3 -1) | C009600 |
| (LDB 0 3) | C009700 |
| (STB 0 (7 I)) | C009800 |
| (TST 0 7 51Q) | C009900 |
| (BAX (LABEL FLR1) 7 1) | C010000 |
| FLR2 (BUC) | C010100 |
| STZENT (STZ A.) | C010200 |
| (BUC 0 4) | C010300 |
| CNENT (LDA 1 (L567.7 R)) | C010400 |
| (BUC 0 4) | 0010500 |
| I2OENT (BNZM 0 4) | C010600 |
| (STZ A.) | C010700 |
| (BUC 0 4) | C010800 |
| STBENT (BOZP 0 4) | C010900 |
| (LDA 1 (L567.7 R)) (BUC 0 4) B48. (1071) (END)) NIL SYS) | 0011000 |
| (LAP (PATCH (CRG) (END)) | C011100 |
| ((CONDERR FUNCTION (FUNCTIONAL NOVALUE) VALUE) | C011200 |
| (EQUAL. FUNCTION (FUNCTIONAL BOOLEAN SYMBOL SYMBOL) VALUE) | 0011300 |
| (EQUALN. FUNCTION (FUNCTIONAL BOOLEAN SYMBOL SYMBOL) VALUE) | C011400 |
| (SYMABS FUNCTION (FUNCTIONAL SYMBOL SYMBOL) VALUE) | C011500 |
| (SYMSGN FUNCTION (FUNCTIONAL INTEGER SYMBOL) VALUE) | C011600 |
| (STIMS FUNCTION (FUNCTIONAL SYMBOL SYMBOL SYMBOL) VALUE) | C011700 |
| (STIMR FUNCTION (FUNCTIONAL REAL REAL SYMBOL) VALUE) | C011800 |
| (STIMI FUNCTION (FUNCTIONAL SYMBOL INTEGER SYMBOL) VALUE) | C011900 |
| (SPLUS FUNCTION (FUNCTIONAL SYMBOL SYMBOL SYMBOL) VALUE) | C012000 |
| (SPLUR FUNCTION (FUNCTIONAL REAL REAL SYMBOL) VALUE) | C012100 |
| (SPLUI FUNCTION (FUNCTIONAL SYMBOL INTEGER SYMBOL) VALUE) | C012200 |
| (SMINS FUNCTION (FUNCTIONAL SYMBOL SYMBOL SYMBOL) VALUE) | C012300 |
| (SMINI FUNCTION (FUNCTIONAL SYMBOL INTEGER SYMBOL) VALUE) | 0012400 |
| (SMINR FUNCTION (FUNCTIONAL REAL REAL SYMBOL) VALUE) | C012500 |
| (MINSYM FUNCTION (FUNCTIONAL SYMBOL SYMBOL) VALUE)) SYS) | C012600 |

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| (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 |

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| (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) (CONS (QUOTE MINUS) (CDR L)))))) | C000500 |
| (RCUTINE FXRUB ((X OCTAL))) | C000600 |
| (DECLARE (OBLIST (ARRAY SYMBOL) CWN) | C000700 |
| (CHO CWN) | C000800 |
| (TRO CWN) | C000900 |
| (TRP CWN) | C001000 |
| (TRM CWN) | C001100 |
| (BPO CWN) | C001200 |
| (BPP CWN) | C001300 |
| (ARO CWN) | C001400 |
| (ARP CWN) (LSP CWN) (LSC CWN) (TRL CWN) (PDCUT SYMBOL CWN)) | 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)) (BLITCH (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 CWN) | C004100 |
| (A CWN) | C004200 |
| (B CWN) | C004300 |
| (C CWN) | C004400 |
| (L CWN) | C004500 |
| (X CWN) | C004600 |
| (Y CWN) | C004700 |
| (Z CWN) | C004800 |
| (BOOL BCOLEAN CWN) | C004900 |
| (XPDP CWN) | C005000 |
| (TEMP1 CWN) | C005100 |
| (TEMP2 CWN) | C005200 |
| (TEMP3 CWN) | C005300 |
| (TEMP4 CWN) | C005400 |
| (ARYORG CWN) | C005500 |
| (ARYCNT CWN) | C005600 |
| (BPSORG CWN) | C005700 |
| (FREREL CWN) | C005800 |
| (PDLREL CWN) | C005900 |
| (TRPCNT CWN) | C006000 |
| (BPMIN CWN) | C006100 |
| (PDADD CWN) | C006200 |
| (PDBUF CWN) | C006300 |

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| (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 ((ADPDCR . 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 SYMBOL) (J INTEGER))) | C007800 |
| (CODE (LDA (LABEL OFF)) (STF (ENTRY INTER))) | C007900 |
| (TRY S L (SET J (BLOCK NIL (IF (NULL PDCUT) (SET PDCUT (QUOTE G))) (SET GCC (PLUS 1 GCC)) (SET (CCRE (S20. OBLIST)) (WCRCR (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)) ON (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) (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) | C009100 |
| (IF (GR ARYCRG ARO) | C009200 |
| | C009300 |
| | C009400 |
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| | C009900 |
| | C010000 |
| | C010100 |
| | C010200 |
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| | C012600 |

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| (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)) (ADPCK PDBUF)) | 0014000 |
| (SET PDCUT NIL) | 0014100 |
| (IF GCERR (ERROR (QUOTE (OUT 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 TRG) | 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 CURCNE CURPNT))) | 0019100 |
| (SET NXTONE (PLUS CURPNT (LEFT (ONELSS CURLNK)))) | 0019200 |
| TO (SET BITMAP (LSHIFT (CORE CURLNK) | 0019300 |
| (SET COUNT (PLUS CURPNT (MINUS NXTONE) | 0019400 |
| (LEFT (ONELSS CURLNK)))))) | 0019500 |
| (SET COUNT (PLUS 24 (MINUS COUNT))) | 0019600 |
| XTO (IF (EQUAL (SET CURPNT (ONEMOR CURPNT)) NXTONE) | 0019700 |
| (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 CURCNE) | 0020500 |
| (PLUS (CORE CURCNE) | 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 (CHECKUP (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 IX)) | 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 |

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| (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 CCTL (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 (CORE X) 13Q14) | 0034200 |
| (SET (CORE (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 LSD) (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 (CORE X) (CORE LSP)) | 0035300 |
| (SET (CORE 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 |

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| (SET (CORE X) (PLUS TEMP1 TEMP2)))))) | 0037900 |
| (ROUTINE RELCC (X) | 0038000 |
| (CRG NIL (IF (OR (LS X TRP) (GQ X LSO)) | 0038100 |
| X (GQ X ARP) | 0038200 |
| (PLUS (IF (GQ X LSP) X (CORE X)) FREREL) | 0038300 |
| (GQ X ARO) (RIGHT X) (LS X BPC) (PLUS X PDLREL) X))) | 0038400 |
| (ROUTINE (FXTSP NOVALUE) | 0038500 |
| NIL (BLOCK NIL (FOR X (RESET CHC (PLUS X 1)) | 0038600 |
| (WHILE (NQ X TRC)) (SET (RIGHT X) (RELOC (RIGHT X)))) | 0038700 |
| (FOR X (RESET (PLUS TRC 1) (PLUS X 3)) | 0038800 |
| (WHILE (LS X TRP)) | 0038900 |
| (BLOCK NIL (SET Y (CNELSS X)) | 0039000 |
| (CASE (PLUS (PREFIX X) -6) | 0039100 |
| (GO T7) (GO T10) (GO T11) (GO T12) (GO T13)) | 0039200 |
| T7 (IF (NQ (WORDAND (CORE X) 4Q6) 0) | 0039300 |
| (SET (RIGHT Y) (RIGHT (RIGHT Y)))) | 0039400 |
| (SET Y X) | 0039500 |
| T10 (SET (RIGHT Y) (RELOC (RIGHT Y))) | 0039600 |
| (GO T13) | 0039700 |
| T12 (IF (EQUAL (SET TEMP1 (FXTYPE (ONEMOR X))) 45Q) | 0039800 |
| (BLOCK NIL (IF (EQUAL (WORDAND (SET TEMP1 (CORE Y)) 1Q15) 0) | 0039900 |
| (SET (LEFT Y) (RELOC (LEFTX TEMP1)))) (GO T13)) | 0040000 |
| (GR TEMP1 4) (GO X12) (EQUAL TEMP1 0) (GO T10) | 0040100 |
| (GO T13) | 0040200 |
| T11 (IF (EQUAL (PREFIX (SET TEMP1 (ONEMOR X))) 1) | 0040300 |
| (SET (LEFT TEMP1) (RIGHT (LEFT TEMP1)))) | 0040400 |
| X12 (FIXIT Y) T13)))) | 0040500 |
| (ROUTINE FXTYPE (X) | 0040600 |
| (BLOCK NIL (IF (GR (SET TEMP1 (PREFIX X)) 2) (GO TX)) | 0040700 |
| (CASE (ONEMOR TEMP1) (GO T0) (GO T1) (GO T2)) | 0040800 |
| T2 (RETURN (FXTYPE (CNEMOR (LEFT X)))) | 0040900 |
| T0 (RETURN (TAG X)) | 0041000 |
| T1 (SET TEMP1 (PREFIX (ONEMOR (SET TEMP2 (LEFT X)))) | 0041100 |
| (SET (LEFT X) (RIGHT TEMP2)) TX (RETURN TEMP1))) | 0041200 |
| (ROUTINE (FXARY NOVALUE) | 0041300 |
| NIL (BLOCK NIL (SET X ARO) | 0041400 |
| MORE (SET Y (LEFT X)) | 0041500 |
| (IF (MARKED X) | 0041600 |
| (BLOCK NIL (CASE (CNEMOR (WORDAND (PREFIX X) 7)) | 0041700 |
| (GO OK) (GO TX) (GO TX) (GO TX) (GO TX) (GO TX) (GO TX)) | 0041800 |
| OK (SET B (PLUS X Y)) | 0041900 |
| (FOR A (RESET (PLUS X 1) (PLUS A 1)) | 0042000 |
| (WHILE (NQ A B)) (FIXIT A)) TX)) | 0042100 |
| (IF (NQ (SET X (PLUS X Y)) ARP) (GO MORE)))) | 0042200 |
| (ROUTINE (FXFREE NOVALUE) | 0042300 |
| NIL (BLOCK NIL (FOR X (RESET LSP (PLUS X 1)) | 0042400 |
| (WHILE (NQ X LSO)) | 0042500 |
| (BLOCK NIL (SET (LEFT X) (RELCC (LEFT X))) | 0042600 |
| (SET (RIGHT X) (RELOC (RIGHT X)))))) | 0042700 |
| (ROUTINE (FXBPS NOVALUE) | 0042800 |
| NIL (CRG NIL (BLOCK NIL (SET TEMP1 BPO) | 0042900 |
| MORE (SET TEMP2 (LEFT TEMP1)) | 0043000 |
| (IF (NQ (WORDAND (CORE TEMP1) 4Q15) 0) (FXFN TEMP1 FALSE)) | 0043100 |
| (IF (NQ (SET TEMP1 (PLUS TEMP1 TEMP2)) BPP) (GO MORE)))) | 0043200 |
| (ROUTINE (FXFN NOVALUE) | 0043300 |
| ((Y OCTAL) (BCOL BCCLEAN)) | 0043400 |
| (CRG NIL (BLOCK NIL (SET Z (PLUS Y (LEFT Y) -1)) | 0043500 |
| (SET X (RIGHT Y)) | 0043600 |
| (SET C (PLUS (IF (NQ (WORDAND (CORE X) 1Q15) 0) | 0043700 |
| (LEFT X) (RIGHT X)) (MINUS Y) -1)) | 0043800 |
| MORE (SET B (CORE Z)) | 0043900 |
| (FOR A (RESET 0 (PLUS A 1)) | 0044000 |
| (WHILE (NQ A 24)) | 0044100 |

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| (BLOCK NIL (IF (GQ Y Z) | 0044200 |
| (GC OUT) | 0044300 |
| (NQ (WORDAND B 4Q15) 0) | 0044400 |
| (IF (LS (SET D (LEFT Y)) TRP) | 0044500 |
| (IF BCCL (FXRUB D)) | 0044600 |
| (IF (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 |
| (ROUTINE 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 | |

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|---|---------|
| (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 (PRIN0 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 (ENDCUT NOVALUE) NIL) | C003200 |
| (FUNCTION (ENDCUTR NOVALUE) NIL) | C003300 |
| (FUNCTION (ENDINF NOVALUE) NIL) | C003400 |
| (FUNCTION (ENDCUTP NOVALUE) NIL) | C003500 |
| (FUNCTION (NCP NOVALUE) NIL) | C003600 |
| (FUNCTION (NILF SYMBOL) NIL) | C003700 |
| (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 |

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| (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 |

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|---|---------|
| (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 (S2O. 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 LOCP (IF (ATCM X) (RETURN (NULL X))) | 0013900 |
| (SET X (CDR X)) (GO LOCP))) | 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 (EQL 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 DR) (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 |

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|---|---------|
| 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. (C2S. (A C)) (C2S. (B C)) FN)) (GO DIE))) | 0019300 |
| (GO LIVE) | 0019400 |
| OI (IF (LS C 1) (GO LIVE)) | 0019500 |
| II (FCR C (STEP C -1 EQ 0) | 0019600 |
| (IF (NOT (EQ (O2I. (A C)) (O2I. (B C)))) (GO DIE))) | 0019700 |
| (GO LIVE) | 0019800 |
| FF (FCR C (STEP C -1 EQ 0) | 0019900 |
| (IF (NOT (EQ (BIT 0 24 (A C)) (BIT 0 24 (B C)))) (GO DIE))) | 0020000 |
| (GO LIVE) | 0020100 |
| SI (FCR C (STEP C -1 EQ 0) | 0020200 |
| (IF (NOT (CR (AND (FIXP (O2S. (A C))) | 0020300 |
| (EQ (SYM2INT (C2S. (A C))) (B C))) | 0020400 |
| (AND (REALP (C2S. (A C))) | 0020500 |
| (EQ (CCRE (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 (C2S. (A C))) | 0020900 |
| (EQ (C2R. (CCRE (PLUS (A C) 1))) (O2R. (B C)))) | 0021000 |
| (AND (FIXP (C2S. (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)) (C2R. (B C)))) (GO DIE))) | 0021400 |
| (GO LIVE)))))) | 0021500 |
| (ARRAYS (SECTION SYS SYMBOL) | 0021600 |
| (FUNCTION ((COPYARRAY . LISP) SYMBOL) | 0021700 |
| ((A (ARRAY C2TAL))) | 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 C2TAL) (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 C2TAL) (GETARRAY (PLUS N 1))) | 0022700 |
| (P C2TAL 0) | 0022800 |
| (V C2TAL (IF VALUE (CONVRT TYPE VALUE) (DFINIT TYPE))) | 0022900 |
| (X SYMBOL (FINDN TYPE (QUOTE ((SYMBOL . 20Q) | 0023000 |
| (C2TAL . 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 C2TAL 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 |

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| ((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 (CCNS 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 |

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| (FOR I (STEP (PLUS D -1) -1 LS 1) | 0031600 |
| (BLOCK NIL (SET (S E) (WORDCR (S E) (SHIFT (B I) H))) | 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 |

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| (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 |

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| (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) (WORDOR 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 (NCONCS WORKST BASEST)) | 0046300 |
| (SET I 1Q) (GC S0)) | 0046400 |
| START (SET ST (NCONCS 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 CF) | 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.....)) (GO 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.) (GO 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 10.0) (ABS I))) | 0051700 |
| (IF (GQ (SET M (IF (LS I 0) | 0051800 |
| (TIMES X M) (GR I 0) (QUOTIENT X M) X)) 10.0) | 0051900 |
| (SET I (PLUS I 1)) (LS M 1.0) (SET I (PLUS I -1)) (GO D)) | 0052000 |
| (GO C) | 0052100 |
| D (BLOCK ((K SYMBOL NIL) (CARRY BOOLEAN FALSE)) | 0052200 |
| (SET J 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 |
| LCOP (IF (EQ XX 0) (GO GG)) | 0052800 |
| (SET K (CONS (OCT2CH (WORDOR 6Q1 (REMAINDER XX 10))) K)) | 0052900 |
| (SET J (PLUS J 1)) | 0053000 |
| (SET XX (IQUOTIENT XX 10)) | 0053100 |
| (GO LCOP) GG (SET K (DREVERSE K))) | 0053200 |
| G (FOR J (STEP J 1 EQ 12) | 0053300 |
| (BLOCK ((XX INTEGER (ENTIER M))) | 0053400 |
| (SET K (CONS (OCT2CH (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))) | 0056800 |
| I (BLOCK ((K SYMBOL NIL)) | 0056900 |
| X (SET K (CCNS (OCT2CH (WORDOR 6Q1 (REMAINDER I 10))) K)) | 0057000 |
| (SET I (IQUOTIENT I 10)) (IF (GR I 0) (GO X)) (STMMAKE K)) | 0057100 |
| E (SET FSCHAR NIL) (RETURN (MAKEST))) | 0057200 |
| (FUNCTION (STMMAKE NOVALUE) | 0057300 |
| ((A SYMBOL)) (FOR FSCHAR (IN A) (MAKEST))) | 0057400 |
| (IDENTS (SECTION SYS SYMBOL) | 0057500 |
| (DECLARE (GENNC INTEGER OWN 10000) (GENPFX SYMBOL OWN (QUOTE A))) | 0057600 |
| (FUNCTION ((GETIC . LISP) SYMBOL) | 0057700 |
| ((S (ARRAY OCTAL))) | 0057800 |
| (BLOCK ((B INTEGER (S20. (OBLIST (BUCKET S)))) | 0057900 |
| (W INTEGER (LEFTAD (S20. S)))) | 0058000 |
| (IF (GR W 2) | 0058100 |
| (GO LONG) | 0058200 |
| (EQ (TAG (S20. S)) 1) | 0058300 |
| (RETURN (OCT2CH (BIT 40 8 (S 1)))) | 0058400 |
| (LS W 2) (SET W 0) (SET W (S 1))) | 0058500 |
| SHORT (IF (EQ B 0) | 0058600 |
| (GO NC) | 0058700 |
| (AND (NQ (BIT 20 1 (WORD2 B)) 1) (EQ W (WORD1 B))) | 0058800 |
| (RETURN (C2S. B))) | 0058900 |
| (SET B (LINK B)) | 0059000 |
| (GO SHORT) | 0059100 |
| LONG (SET W (BIT 24 24 (S 1))) | 0059200 |
| TEST (IF (EQ B 0) | 0059300 |
| (GO NC) | 0059400 |
| (AND (NQ (BIT 20 1 (WORD2 B)) 0) | 0059500 |
| (EQ (BIT 24 24 (WORD1 B)) W) (EQ S (O2S. (PNAME B)))) | 0059600 |
| (RETURN (C2S. B))) (SET B (LINK B)) (GO TEST) NO (RETURN NIL))) | 0059700 |
| (FUNCTION (GENPNAME SYMBOL) | 0059800 |
| ((S SYMBOL)) | 0059900 |
| (BLOCK ((P (ARRAY OCTAL) | 0060000 |
| (SCONCS (TCSTRG GENPFX) (NUMSTR GENNO)))) | 0060100 |
| (IF (GQ GENNC 100000) (GO B)) | 0060200 |
| A (SET (WORD1 (S20. S)) (P 1)) | 0060300 |
| (SET (TAGIM (WORD3 (S20. S))) (TAGIM (CORE (S20. P)))) | 0060400 |
| (SET GENNO (I2C. (PLUS GENNO 1))) | 0060500 |
| (RETURN S) | 0060600 |
| B (SET GENNC 0) | 0060700 |
| (SET GENPFX (IF (EQ GENPFX (QUOTE Z)) | 0060800 |
| (QUOTE A) (CHEAT INTEGER SYMBOL (PLUS (S20. GENPFX) 1)))) | 0060900 |
| (GO A))) | 0061000 |
| (FUNCTION (GENID SYMBOL) | 0061100 |
| NIL (BLOCK ((S SYMBOL ((TRIPLE . SYS)))) | 0061200 |
| (SET (WORD1 (S20. S)) 0) | 0061300 |
| (SET (WORD2 (S20. S)) 70000000106) | 0061400 |
| (SET (CHAINS S) (S20. S)) (SET (WORD3 (S20. S)) 0) (RETURN S))) | 0061500 |
| (DECLARE (OBLIST (ARRAY SYMBOL) OWN) | 0061600 |
| (OBLISZ INTEGER OWN 125) (BUCKNC INTEGER OWN)) | 0061700 |
| (RCUTINE (BUCKET INTEGER) | 0061800 |
| ((S (ARRAY OCTAL))) | 0061900 |
| (SET BUCKNO (IF (LS (LEFTAD (S20. S)) 2) | 0062000 |
| I (PLUS 1 (REMAINDER (ABS (S 1)) OBLISZ)))) | 0062100 |
| (SECTION (FSM SYS) SYMBOL) | 0062200 |
| (DECLARE (BASEST (ARRAY OCTAL) OWN (QUOTE (*STRING AAAAA))) | 0062300 |
| (WORKST (ARRAY OCTAL) OWN NIL) | 0062400 |
| (FSMSYM SYMBOL OWN) | 0062500 |
| (RMSG (ARRAY SYMBOL) | 0062600 |
| OWN (QUOTE (*SYMBOL (*STRING ' IS ' ILLEGAL ' TOKEN ' SYNTAX) | 0062700 |
| (*STRING ' IS ' ILLEGAL ' TOKEN ' IN ' DATUM) | 0062800 |
| (*STRING ' FILE ' TERMINATOR ' INSIDE ' DATUM) | 0062900 |
| (*STRING ' . ' IS ' ILLEGAL ' AFTER ' LPAR) | 0063000 |

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(*STRING ' FOUND ' INSTEAD ' OF ' ' )
' IN ' DOTTED ' PAIR))))
0063100
(XXCHAR SYMBOL OWN)
0063200
((GNLIST . SYS) SYMBOL NIL)
0063300
(SPFLAG BOOLEAN 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)
0050000
(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 ((MAKIDB . 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 (STSPELL SYMBOL OWN)
0067900
(STSAVE SYMBOL OWN) (STR.CH INTEGER OWN))
0068000
(FUNCTION ((S.SUPL . ID) SYMBOL)
0068100
NIL (IF (LS (STRINGL STSPELL) STR.CH)
0068200
(OCT2CH 34Q)
0068300
(BLOCK ((X SYMBOL (GETCHAR STSPELL 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 . ID) 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 . IC) 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 (SYM2GA INTEGER) ((A SYMBOL)) (SIGN (SYM2REAL A))) | 0071200 |
| (FUNCTION (SYM2ABS SYMBOL) ((A SYMBOL)) (TIMES A (SIGN A))) | 0071300 |
| (FUNCTION (STIMS SYMBOL) | 0071400 |
| ((A SYMBOL) (B SYMBOL)) | 0071500 |
| (IF (FIXP A) (TIMES (SYM2INT A) B) (TIMES (SYM2REAL A) B))) | 0071600 |
| (FUNCTION (STIMR REAL) | 0071700 |
| ((A REAL) (B SYMBOL)) (TIMES A (SYM2REAL B))) | 0071800 |
| (FUNCTION (STIMI SYMBOL) | 0071900 |
| ((A INTEGER) (B SYMBOL)) | 0072000 |
| (IF (FIXP B) (TIMES A (SYM2INT B)) (TIMES A (SYM2REAL B))) | 0072100 |
| (FUNCTION (SPLUS SYMBOL) | 0072200 |
| ((A SYMBOL) (B SYMBOL)) | 0072300 |
| (IF (FIXP A) (PLUS (SYM2INT A) B) (PLUS (SYM2REAL A) B))) | 0072400 |
| (FUNCTION (SPLUR REAL) | 0072500 |
| ((A REAL) (B SYMBOL)) (PLUS A (SYM2REAL B))) | 0072600 |
| (FUNCTION (SPLUI SYMBOL) | 0072700 |
| ((A INTEGER) (B SYMBOL)) | 0072800 |
| (IF (FIXP B) (PLUS A (SYM2INT B)) (PLUS A (SYM2REAL B))) | 0072900 |
| (FUNCTION (SMINS SYMBOL) | 0073000 |
| ((A SYMBOL) (B SYMBOL)) | 0073100 |
| (IF (FIXP B) | 0073200 |
| (DIFFERENCE A (SYM2INT B)) (DIFFERENCE A (SYM2REAL B))) | 0073300 |
| (FUNCTION (SMINI SYMBOL) | 0073400 |
| ((A INTEGER) (B SYMBOL)) | 0073500 |
| (IF (FIXP B) | 0073600 |
| (DIFFERENCE A (SYM2INT B)) (DIFFERENCE A (SYM2REAL B))) | 0073700 |
| (FUNCTION (SMINR REAL) | 0073800 |
| ((A REAL) (B SYMBOL)) (DIFFERENCE A (SYM2REAL B))) | 0073900 |
| (FUNCTION (MINSYM SYMBOL) | 0074000 |
| ((A SYMBOL)) | 0074100 |
| (IF (FIXP A) (MINUS (SYM2INT A)) (MINUS (SYM2REAL A))) | 0074200 |
| (SECTION (LISP SYS) SYMBOL) | 0074300 |
| (RCUTINE ((REMAINDER . LISP) INTEGER) | 0074400 |
| ((A INTEGER) (B INTEGER)) | 0074500 |
| (DIFFERENCE A (TIMES B (IQUOTIENT A B))) | 0074600 |
| (RCUTINE (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) | 0075700 |
| (QUOTIENT 1.0 (EXPT X (MINUS Y))) | 0075800 |
| (BLOCK ((R REAL 1.0)) | 0075900 |
| A (IF (EQ Y 0) (RETURN R)) | 0076000 |
| (SET Y (PLUS Y -1)) (SET R (TIMES R X)) (GO A)))) | 0076100 |
| ITTER (SECTION SYS SYMBOL) | 0076200 |
| (RCUTINE (BITTST BOOLEAN) | 0076300 |
| ((X INTEGER) (Y INTEGER)) | 0076400 |
| (AND (GQ X 0) (GR Y 0) (LQ (PLUS X Y) WDSIZE))) | 0076500 |
| (DECLARE (WDSIZE INTEGER OWN 48)) | 0076600 |
| (RCUTINE (BITS OCTAL) | 0076700 |
| ((X INTEGER) (Y INTEGER) (Z OCTAL)) | 0076800 |
| (IF (BITTST X Y) | 0076900 |
| (WORDAND (INVERT (SHIFT (INVERT OQ) Y)) | 0077000 |
| (SHIFT Z (MINUS X))) OQ)) | 0077100 |
| (RCUTINE (BITSET OCTAL) | 0077200 |
| ((X INTEGER) (Y INTEGER) (Z OCTAL LCC) (W OCTAL)) | 0077300 |
| (IF (BITTST X Y) | 0077400 |
| (SET Z (BLOCK ((MASK OCTAL (INVERT OQ))) | 0077500 |
| (SET Y (PLUS WDSIZE (MINUS Y))) | 0077600 |
| (SET MASK (SHIFT (SHIFT (SHIFT MASK (MINUS X)) Y) | 0077700 |
| (PLUS X (MINUS Y)))) | 0077800 |
| (RETURN (WORDOR (WORDAND (SHIFT W X) MASK) | 0077900 |
| (WORDAND Z (INVERT MASK)))))) w))) | 0078000 |
| (CCONVERTS (SECTION (LISP SYS) SYMBOL) | 0078100 |
| (RCUTINE ((INT2OCT . LISP) OCTAL) ((A INTEGER)) A) | 0078200 |
| (FUNCTION (SYM2OCT OCTAL) | 0078300 |
| ((S (ARRAY OCTAL))) | 0078400 |
| (BLOCK ((X INTEGER (DIFFERENCE (S2O. S) 4Q5))) | 0078500 |
| (IF (GQ X 0) | 0078600 |
| (GO A) | 0078700 |
| (GQ (SET X (PLUS X 2Q5)) 0) | 0078800 |
| (GO B) | 0078900 |
| (OCTALP S) | 0079000 |
| (RETURN (S 1)) (INTP S) (GO C) (REALP S) (GO D) (NUMERR S)) | 0079100 |
| A (SET X (DIFFERENCE X 2Q5)) | 0079200 |
| B (RETURN (IF (EQ X 0) OQ (I2O. X))) | 0079300 |
| C (SET X (S 1)) (GO B) D (SET X (ENTIER (O2R. (S 1)))) (GO B))) | 0079400 |
| (FUNCTION (SYM2INT INTEGER) ((S SYMBOL)) (O2I. (SYM2OCT S))) | 0079500 |
| (FUNCTION (SYM2REAL REAL) | 0079600 |
| ((S (ARRAY OCTAL))) | 0079700 |
| (IF (REALP S) | 0079800 |
| (O2R. (S 1)) (FIXP S) (FLOAT (SYM2OCT S)) (NUMERR S))) | 0079900 |
| (FUNCTION (NUMERR SYMBOL) | 0080000 |
| ((S SYMBOL)) (ERROR (CONS S (QUOTE (NOT A NUMBER)))))) | 0080100 |
| (FUNCTION (OCT2SYM SYMBOL) | 0080200 |
| ((X OCTAL)) | 0080300 |
| (IF (EQ (BIT 16 32 X) OQ) | 0080400 |
| (O2S. (PLUS X 2Q5)) | 0080500 |
| (BLOCK ((A (ARRAY OCTAL) (GETARRAY 2))) | 0080600 |
| (SET (PREFIX (S2O. A)) 2) (SET (A 1) X) (RETURN A))) | 0080700 |
| (FUNCTION (REAL2SYM SYMBOL) | 0080800 |
| ((X REAL)) | 0080900 |
| (BLOCK ((A (ARRAY OCTAL) (GETARRAY 2))) | 0081000 |
| (SET (PREFIX (S2O. A)) 4) (SET (A 1) (R2O. X)) (RETURN A))) | 0081100 |
| (FUNCTION (INT2SYM SYMBOL) | 0081200 |
| ((X INTEGER)) | 0081300 |
| (IF (AND (LS X 2Q5) (GQ X 7777777777577777Q)) | 0081400 |
| (O2S. (I2O. (PLUS X 6Q5))) | 0081500 |
| (BLOCK ((A (ARRAY OCTAL) (GETARRAY 2))) | 0081600 |
| (SET (PREFIX (S2O. A)) 3) (SET (A 1) (I2O. X)) (RETURN A))) | 0081700 |
| (FUNCTION (CH2OCT OCTAL) | 0081800 |
| ((S SYMBOL)) | 0081900 |

| | |
|---|---------|
| (IF (CHARP S) | C082000 |
| (DIFFERENCE (S2C. S) CHO) | C082100 |
| (ERRMSG S (QUOTE (IS NOT A CHARACTER)))) | 0082200 |
| (FUNCTION (OCT2CH SYMBOL) | C082300 |
| ((X OCTAL)) | C082400 |
| (IF (AND (LS (SET X (I2C. (PLUS X CHO))) TRC) (GC X CHO)) | C082500 |
| (O2S. X) | C082600 |
| (ERRMSG (I2C. (DIFFERENCE X CHC)) | C082700 |
| (QUOTE (IS NOT CHARACTER REPRESENTATION)))) | C082800 |
| (FUNCTION (FCRM2SYM SYMBOL) | C082900 |
| ((X (FUNCTIONAL NOVALUE))) | C083000 |
| (BLOCK ((A (ARRAY OCTAL) (GETARRAY 2))) | C083100 |
| (SET (PREFIX (S2C. A)) 5) (SET (A 1) (F2C. X)) (RETURN A)) | C083200 |
| (FUNCTION (SYM2FCRM FUNCTIONAL) | C083300 |
| ((S (ARRAY OCTAL))) | C083400 |
| (IF (FORMALP S) | C083500 |
| (O2F. (S 1)) (ERRMSG S (QUOTE (IS NOT A FUNCTIONAL)))) | C083600 |
| (UTILITY (SECTION SYS SYMBOL) | C083700 |
| (FUNCTION (ERRMSG1 SYMBOL) ((A SYMBOL)) (ERROR A)) | C083800 |
| (FUNCTION (ERRMSG SYMBOL) | C083900 |
| ((A SYMBOL) (B SYMBOL)) (ERROR (CCNS A B))) | C084000 |
| (FUNCTION (TRIPLE SYMBOL) | C084100 |
| NIL (BLOCK ((X OCTAL TRL)) | C084200 |
| (IF (EQ X 0) (GO A)) | C084300 |
| (SET TRL (LINK TRL)) | C084400 |
| (RETURN (O2S. X)) | C084500 |
| A (SET TRP (I2C. (PLUS TRP 3))) | C084600 |
| (ADPDCK 3) (RETURN (O2S. (I2C. (PLUS TRP -2)))) | C084700 |
| (RCUTINE (ADPDCK NOVALUE) | C084800 |
| ((C INTEGER)) | C084900 |
| (BLOCK NIL (SET (BIT 24 18 (COREENTRY PDGK1)) | C085000 |
| (PLUS (BIT 24 18 (COREENTRY PDCK1)) C)) | C085100 |
| (SET (BIT 24 18 (CORE (PLUS (ENTRY PDCK) 1))) | C085200 |
| (PLUS (BIT 24 18 (CORE (PLUS (ENTRY PDCK) 1))) C))) | C085300 |
| (RCUTINE (SPACEP. BOOLEAN) | C085400 |
| ((S SYMBOL)) (AND (GC (S2C. S) TRC) (LS (S2C. S) LSC))) | C085500 |
| (RCUTINE (TRSPAC BOOLEAN) | C085600 |
| ((S SYMBOL)) (AND (GC (S2C. S) TRC) (LS (S2C. S) TRP)))) | C085700 |
| (DECLARES (SECTION SYS SYMBOL) | C085800 |
| (DECLARE DECLU SQWKUN) | C085900 |
| (FUNCTION MAKEFREE (N S STOR TYPE X) | C086000 |
| (BLOCK ((FR (GETFREE X S)) | C086100 |
| (TES (FIND STOR KINDLIST)) | C086200 |
| (WRD1 OCTAL) CWRD1 (WRD3 OCTAL) CWRD3) | C086300 |
| (IF (NULL TES) (GO KINDER)) | C086400 |
| (BLOCK ((TEST OCTAL (CDR TES))) | C086500 |
| (IF (EQ TEST 2Q) | C086600 |
| (GO MS) | C086700 |
| (NULL (TYPEP TYPE)) (GO TYPERR) (SET TYPE (STANTP TYPE))) | C086800 |
| (IF (NULL FR) (GO MF)) | C086900 |
| (BLOCK ((FG (FVLIST FR))) | C087000 |
| (IF (NQ (CADR FG) TYPE) | C087100 |
| (GO REDEF) | C087200 |
| (NQ (CADDR FG) X) | C087300 |
| (GO REDEF) | C087400 |
| (EQ TEST 0Q) | C087500 |
| (GO R) | C087600 |
| (NQ (CDR (FIND (CAR FG) KINDLIST)) TEST) (GO REDEF))) | C087700 |
| MX (SET (XMFLAG (S2C. FR)) (IF (NQ STOR (QUOTE FREE)) 1Q 0Q)) | C087800 |
| R (RETURN FR) | C087900 |
| REDEF (IF (NQ (VCCOUNT (S2C. FR)) 0Q) (GO RDECER)) | C088000 |
| (MESSAGE (APPEND (QUOTE (NEW DECLARATION FOR)) | C088100 |
| (LIST (CCNS N S)))) | C088200 |

| | |
|--|---------|
| 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 (F2C. 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 (S2C. FR)) 0Q) | 0089900 |
| (SET (CHAINS FR) (S2C. S)) | 0090000 |
| (SET (LINK (S2C. FR)) (CHAINS N)) | 0090100 |
| (SET (CHAINS N) (S2C. FR)) | 0090200 |
| FILL (IF DCWRD3 (SET (BIT 6 18 WRD3) (S2C. DCWRD3))) | 0090300 |
| (IF DCWRD1 (BLOCK NIL (SET (BIT 0 18 WRD1) | 0090400 |
| (PLUS 1 (S2C. DCWRD1))) | 0090500 |
| (SET (BIT 24 18 WRD1) (S2C. DCWRD1))) | 0090600 |
| (SET (WORD1 (S2C. FR)) WRD1) | 0090700 |
| (SET (TCODES FR) WRD3) | 0090800 |
| (SET (PREFIX (S2C. 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 (S2C. TES) 6)))) | 0091800 |
| (GO R))) | 0091900 |
| KINDER (SET TES (CONS STOR (QUOTE (INVALID KIND)))) | 0092000 |
| (GO ERR) | 0092100 |
| TYPERR (SET TES (CONS TYPE (QUOTE (INVALID TYPE)))) | 0092200 |
| (GO ERR) | 0092300 |
| RDECER (SET TES (CONS (FVLIST FR) | 0092400 |
| (APPEND (QUOTE (NOT CHANGED TC)) (LIST (LIST STOR TYPE X)))) | 0092500 |
| (GO ERR) | 0092600 |
| SYNER (SET TES (QUOTE (CIRCULAR SYNONYM))) | 0092700 |
| (GO MNS) | 0092800 |
| NOPDER (SET TES (QUOTE (NO PRICR DECLARATION))) | 0092900 |
| MNS (SET TES (APPEND (LIST STOR (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 SYMBOL)) (TCODES (SYNGET A NIL))) | 0093900 |
| (ROUTINE (SYNGET SYMBOL) | 0094000 |
| ((A SYMBOL) (B SYMBOL)) | 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 (ATOM 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)) (GO R)) | 0097400 |
| (IF HERE (GC STUFF) | 0097500 |
| (AND (EQ TC 77Q) (OR (EQ PP 0) (EQ NN 5))) (GO 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 3 6 TC) PP) WWL)) R) | 0098600 |
| (BLOCK NIL (IF (NULL (CDR X)) | 0098700 |
| (GO CN) | 0098800 |
| (TMCLUP (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 (C2S. P) N)                                       0101000
 (RETURN NIL) (EQN (C2S. (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 ((QC . 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
 (NN INTEGER)                                             0102900
 (WW OCTAL LCC) (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 LCC)))) 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

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| | |
|--|---------|
| (FUNCTION (ATYPEP BOCLEAN) | C107200 |
| ((J SYMBOL)) | C107300 |
| (AND (NCT (ATCM J)) | C107400 |
| (EQN (CAR J) (QUOTE ARRAY)) | C107500 |
| (CDR J) (NULL (CDDR J)) (FTYPP (CADR J)))) | C107600 |
| (FUNCTION (FUNTYP BOCLEAN) | C107700 |
| ((J SYMBOL)) | C107800 |
| (AND (NCT (ATCM J)) | C107900 |
| (EQN (CAR J) (QUOTE FUNCTIONAL)) | C108000 |
| (SET J (CDR J)) | C108100 |
| (VTYPEP (CAR J)) | C108200 |
| (BLOCK NIL LOOP (IF (NULL (SET J (CDR J))) | C108300 |
| (RETURN TRUE) | C108400 |
| (AND (EQN (LENGTH J) 1) (INDEFP (CAR J))) | C108500 |
| (RETURN TRUE) (PTYPEP (CAR J)) (GO LOOP)))) | C108600 |
| (FUNCTION (FTYPP BOCLEAN) | C108700 |
| ((J SYMBOL)) (OR (STYEP J) (EQN J (QUOTE FUNCTIONAL)))) | C108800 |
| (FUNCTION (VTYPEP BOCLEAN) | C108900 |
| ((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)) | C109600 |
| (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)) | C111500 |
| (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)) | C111900 |
| (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)) | C112300 |
| (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) | C112800 |
| (3Q . INTEGER) | C112900 |
| (4Q . REAL) | C113000 |
| (5Q . FUNCTIONAL) | C113100 |
| (6Q . STRING) | C113200 |
| (7Q . ID) | C113300 |
| (1Q1 . QUOTE) | C113400 |

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|---|---------|
| (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)) 1000000000000001Q) | 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. (ERROR (LIST A (QUOTE SUBSCRIPTED)))) | 0115900 |
| (NOT (EQN T ((ARTYPE . ID) A))) | 0116000 |
| (S20. (ERROR (QUOTE (BAD TYPED ARRAY)))) | 0116100 |
| (OR (LQ S C) (GQ S (BIT 24 18 (CORE (S20. A)))))) | 0116200 |
| (S20. (ERROR (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 |
| ((D SYMBOL) (F (FUNCTIONAL REAL))) | 0116800 |
| (BLOCK ((E SYMBOL (CADR (FVLIST (L2S. (I20. (PLUS (BIT 0 18 (F20. | 0116900 |
| F) 1)))))) | 0117000 |
| (IF (NOT (OR (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 | |

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(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 (PRIN0 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
  (RCUTINE (CLEAR NOVALUE) ((FN SYMBOL)))                     0003100
  (RCUTINE (GET SYMBOL) ((FN SYMBOL) (DL SYMBOL)))           0003200
  (RCUTINE (GETCHAR SYMBOL) ((A (ARRAY OCTAL)) (CC INTEGER))) 0003300
(ARSIZE (SECTION IO SYMBOL)                                    0003400
  MACRO1(((ARSIZE (LAMBDA (S) (LIST (QUOTE BIT) 24 18
    (CONS (QUOTE CCRE) (CDR S))))))))                          0003500
    (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 (BI SYMBOL) ((S SYMBOL)))                          0004000
  (FUNCTION (FI 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 (OLTTY NOVALUE) NIL)                               0005100
  (FUNCTION (OLTAPE NOVALUE) NIL)                              0005200
  (FUNCTION (OLDISC NOVALUE) NIL)                              0005300
  (FUNCTION (INTPAS NOVALUE) NIL)                              0005400
  (FUNCTION (OLTPAS NOVALUE) NIL)                              0005500
  (FUNCTION (INDCAS NOVALUE) NIL)                              0005600
  (FUNCTION (OLDTCAS NOVALUE) NIL)                              0005700
  (RCUTINE (MOVEI INTEGER) ((S INTEGER) (B OCTAL LOC)))      0005800
  (RCUTINE (MOVEC INTEGER) ((S INTEGER) (B OCTAL LOC)))      0005900
  (RCUTINE (MODIFY INTEGER) NIL)                               0006000
  (FUNCTION (RDEC SYMBOL) ((NM INTEGER)))                     0006100
  (RCUTINE (FDEC INTEGER)
    ((NM INTEGER)                                             0006200
    ((NM INTEGER)                                             0006300

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| | |
|--|---------|
| (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 MD SIZE ((LABEL MOD) 4)) | 0012700 |
| (ENTRY MD STAT ((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 |
| MOV (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 (4331624731310105Q)
(4446243126700606Q)
(0)
(45644466246201Q2)
(0)
(634562632163Q4)
BUF (6Q14 D. 0 520)
(60636C606C606C6Q1)
(DITTO 519)
INK (31454764636004Q2) OUTK (46646347646304Q2)) NIL LISP))
(CNVRTB (FNCTICN ((NILF . LISP) SYMBCL) 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 600100200053002Q1
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 1400600040006Q1 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 21010101Q8 22010102Q8 23010103Q8
24010104Q8 25010105Q8 26010106Q8 27010107Q8 3001011Q9 31010111Q8
41010112Q8 42010113Q8 43010114Q8 44010115Q8 45010116Q8
46010117Q8 4701012Q9 50010121Q8 51010122Q8 62010123Q8 63010124Q8
64010125Q8 65010126Q8 66010127Q8 6701013Q9 70010131Q8 71010132Q8
75010133Q8 6001004Q9 55010135Q8 6001004Q9 60010177Q8))))))
(VARIABLES (SECTION SYS SYMBCL)
(DECLARE (CHC CCTL CWN)
(XXDLIM SYMBCL CWN (QUOTE ' .))
(XXCHAR SYMBCL CWN)
(GNMODE BOOLEAN FLUID NIL)
(PRMODE BOOLEAN FLUID NIL) (TTY SYMBCL OWN) (TTY SYMBCL OWN))
(SECTION LISP SYMBCL)
(DECLARE (TTY. SYMBCL FLUID (QUOTE ((UNIT . TTY)

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| | |
|--|---------|
| (FORM . ASCII) (RECORD . 1) (HORIZONTAL 1 73 72)))) | 0025300 |
| (TAPE . SYMBOL FLUID (QUOTE ((UNIT . TAPE) | 0025400 |
| (FORM . BCD) | 0025500 |
| (RECORD . 30) (HORIZONTAL 1 73 80) (VERTICAL 1 51 50)))) | 0025600 |
| (DISC . SYMBOL FLUID (QUOTE ((UNIT . DISC) | 0025700 |
| (FORM . BCD) | 0025800 |
| (RECORD . 51) (HORIZONTAL 1 73 80) (VERTICAL 1 51 50)))) | 0025900 |
| (CORE . SYMBOL FLUID (QUOTE ((UNIT . CORE) | 0026000 |
| (FORM . ASCII) (RECORD . 1)))) | 0026100 |
| (CRT . SYMBOL FLUID (QUOTE ((UNIT . CRT) | 0026200 |
| (FORM . BINARY) (RECORD . 680)))) | 0026300 |
| (SKIPR . INTEGER OWN 1) | 0026400 |
| (SKIPF . INTEGER OWN 2) | 0026500 |
| (WEOF . INTEGER OWN 3) | 0026600 |
| (WEOT . INTEGER OWN 4) | 0026700 |
| (REWIND . INTEGER OWN 5) | 0026800 |
| (BACKR . INTEGER OWN 6) | 0026900 |
| (BACKF . INTEGER OWN 7) (KEY . INTEGER OWN 8)) | 0027000 |
| (SECTION (ID SYS) SYMBOL) | 0027100 |
| (DECLARE (DDSW INTEGER OWN) | 0027200 |
| (CURCOL INTEGER FLUID LOC) | 0027300 |
| (ICURCOL INTEGER FLUID LOC) | 0027400 |
| (CURLINE INTEGER FLUID LOC) | 0027500 |
| (ICURLINE INTEGER FLUID LOC) | 0027600 |
| (SUMLINE INTEGER FLUID LOC) | 0027700 |
| (ISUMLINE INTEGER FLUID LOC) | 0027800 |
| (LMG INTEGER FLUID 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 SYMBOL FLUID) | 0031100 |
| (ICURFN SYMBOL FLUID) | 0031200 |
| (RMGO (FUNCTIONAL NOVALUE) FLUID LOC) | 0031300 |
| (IRMGO (FUNCTIONAL NOVALUE) FLUID LOC) | 0031400 |
| (BOTO (FUNCTIONAL NOVALUE) FLUID LOC) | 0031500 |

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(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
(*PL INTEGER FLUID LOC) 0032400
(IWPL INTEGER FLUID LOC) 0032500
(CPW INTEGER FLUID 6) 0032600
(SHOWD 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
(SECTION (ID SYS) SYMBOL) (DECLARE (BUFIX (ARRAY OCTAL) FLUID))) 0033600
(D.CALLS (SECTION (ID LISP SYS) SYMBOL) 0033700
(RCUTINE (MODIFY INTEGER) 0033800
NIL (BLOCK NIL (SET (CORENTRY MNAME) NAME) 0033900
(SET (CORENTRY MDSIZE) (TIMES 512 (PLUS 9 MAXSEC))) 0034000
(CODE (LDA (ENTRY MODFY) (RA R)) (BUC (ENTRY DSPCHR))) 0034100
(RETURN (BIT 0 6 (CORENTRY MDSTAT)))) 0034200
(DECLARE (TO (ARRAY OCTAL) 0034300
CWN (QUOTE (*OCTAL 22Q 3Q1 23Q 21Q 22Q 22Q)))) 0034400
(FUNCTION (RDEC SYMBOL) 0034500
((NM INTEGER)) 0034600
(BLOCK NIL (SET (CORENTRY RNAME) NM) 0034700
(CODE (LDA (ENTRY REFILE) (RA R)) (BUC (ENTRY DSPCHR))) 0034800
(RETURN (LIST (BIT 0 6 (CORENTRY RSTAT)) 0034900
(TO (PLUS 1 (BIT 0 6 (CORENTRY RFORM)))) (CORENTRY RWDSIN)))) 0035000
(RCUTINE (FDEC INTEGER) 0035100
((NM INTEGER) 0035200
(UT INTEGER) 0035300
(FM INTEGER) 0035400
(SZ INTEGER) (RL INTEGER) (PK INTEGER) (PT INTEGER)) 0035500
(BLOCK NIL (SET (BIT 0 6 (CORENTRY DPOST)) PT) 0035600
(SET (BIT 0 6 (CORENTRY DPROTK)) PK) 0035700
(SET (CORENTRY DREEL) RL) 0035800
(SET (CORENTRY DSIZE) SZ) 0035900
(SET (BIT 0 6 (CORENTRY DFCRM)) FM) 0036000
(SET (BIT 0 6 (CORENTRY DUNIT)) UT) 0036100
(SET (CORENTRY DNAME) NM) 0036200
(CODE (LDA (ENTRY DCALL) (RA R)) (BUC (ENTRY DSPCHR))) 0036300
(RETURN (BIT 0 6 (CORENTRY DSTAT)))) 0036400
PEN (SECTION (ID LISP SYS) SYMBOL) 0036500
(FUNCTION (ICUNLOCK NOVALUE) NIL (POSITION ICURFN KEY.)) 0036600
(FUNCTION (OLUNLOCK NOVALUE) NIL (POSITION CURFN KEY.)) 0036700
(FUNCTION ((CPEN . LISP) SYMBOL) 0036800
((FN SYMBOL) (DL SYMBOL)) 0036900
(BLOCK NIL (IF (GET FN FILES.) (RETURN (ERROR MSG1))) 0037000
(BLOCK ((IA (ARRAY INTEGER) (CREATE 18 (QUOTE INTEGER) 0)) 0037100
0037200
0037300
0037400
0037500
0037600
0037700
0037800

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| | |
|---|---------|
| (FA (ARRAY FUNCTIONAL) (CREATE 8 (QUOTE FUNCTIONAL) NOP)) | 0037900 |
| (SA (ARRAY SYMBOL) (CREATE 2 (QUOTE SYMBOL) NIL)) | 0038000 |
| (U SYMBOL (GET (QUOTE UNIT) DL)) | 0038100 |
| (F SYMBOL (GET (QUOTE FORM) DL)) | 0038200 |
| (R SYMBOL (GET (QUOTE RECORD) DL)) | 0038300 |
| (H SYMBOL (GET (QUOTE HORIZONTAL) DL)) | 0038400 |
| (V SYMBOL (GET (QUOTE VERTICAL) DL)) | 0038500 |
| (O SYMBOL (GET (QUOTE OVERFLOW) DL)) | 0038600 |
| (X SYMBOL) | 0038700 |
| (T INTEGER 1) | 0038800 |
| (Y INTEGER 0) | 0038900 |
| (Z OCTAL 22Q) | 0039000 |
| (W INTEGER 1) (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 (NOT (EQ (CDR F) (QUOTE BCD))) | 0041800 |
| (BLOCK NIL (SET (FA 4) OUTPAS) | 0041900 |
| (SET (FA 5) INTPAS) (GO T21))) | 0042000 |
| (IF (OR (GR (IA 3) 120) | 0042100 |
| (GR (TIMES (IA 7) | 0042200 |
| (PLUS 1 (IQUOTIENT (PLUS -1 (IA 3)) 8))) 300)) | 0042300 |
| (BLOCK NIL (SET (IA 2) 81) | 0042400 |
| (SET (IA 3) 80) (SET (IA 7) 30) (SET (IA 8) 14))) | 0042500 |
| (SET (FA 4) OUTAPE) | 0042600 |
| (SET (FA 5) INTAPE) | 0042700 |
| (SET Z 23Q) | 0042800 |
| (SET T (PLUS 1 (IQUOTIENT (PLUS -1 (IA 3)) 8))) | 0042900 |
| T21 (IF (SET X (GET (QUOTE REEL) DL)) (SET Y (CDR X))) | 0043000 |
| (IF (AND 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) (QUOTIENT (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) (CADDRR C)))                    0046700
  (BLOCK NIL (SET (FA 1) ENDIN)                                          0046800
    (SET (FA 3) ENDOUT)                                                  0046900
    (SET (FA 7) IUNLOCK) (SET (FA 8) OUNLOCK)))                          0047000
  (SET FILES. (CONS (CONS FN (APPEND (LIST (CONS (QUOTE BLF)           0047100
    (CREATE (PLUS 1 (TIMES (IA 7) (IA 8)))                               0047200
    (QUOTE DCTAL) 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 DCTAL) (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 (CORENTY 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 (LCA W) (BUC (ENTRY ESPCHR))) 0050800
(IF (OR (NOT INS) (LQ (CORENTRY INSTAT) 3)) (GO LOG)) 0050900
(SET INS FALSE) 0051000
(GO D) 0051100
LOGG (IF (SET Y (GET (QUOTE LCG) B)) (LOGTTY 9 (CDR Y)))) 0051200
(RETURN (MAPCAR FILES. CAR.)))) 0051300
(IA.CUT (SECTION (IO LISP SYS) SYMBCL) 0051400
(FUNCTION ((CUTPUT . 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 BUFLOC (CDR (GET (QUOTE BUF) (CDR DL)))) 0052400
(LOCSET LMG (IA 1)) 0052500
(LOCSET RMG (IA 2)) 0052600
(LOCSET MAXCOL (IA 3)) 0052700
(LOCSET TOP (IA 4)) 0052800
(LOCSET BOT (IA 5)) 0052900
(LOCSET PAGE (IA 6)) 0053000
(LOCSET RECORD (IA 7)) 0053100
(LOCSET WPL (IA 8)) 0053200
(LOCSET CURCOL (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 COUNT (IA 17)) 0054100
(LOCSET RMGO (FA 3)) 0054200
(LOCSET BOTO (FA 2)) 0054300
(LOCSET MCVE (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 SYMBCL) (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 IBOT (IA 5)) 0056400
(LOCSET IPAGE (IA 6)) 0056500
(LOCSET IRECORD (IA 7)) 0056600
(LOCSET IWPL (IA 8)) 0056700

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(LOCSET ICURCOL (IA 9))                                0056800
(LOCSET ICLRLINE (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 IBOTC (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) I\PL))) 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)) (OR (LS A 1) (GR A 8)) (RETURN NIL)) 0059200
(BLOCK ((U SYMBCL (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 (QUOTIENT (PLUS
-1 IMAXCOL) 8)))) (S INTEGER 0))                    0060300
T21 (SET S (MOVEI X FIXLOC))                          0060400
(IF (OR (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 (LDA (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) ILINELOC 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 (RCFUNC 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 1 -1 LS 1) | 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 (RCFUNC)) | 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 (E2I . FSMOCT)) | 0077500 |
| (RETURN FSMREL) | 0077600 |
| (BLOCK ((Y (ARRAY OCTAL) FSMSYM)) | 0077700 |
| (BLOCK ((X SYMBOL (READ))) | 0077800 |
| (IF (NUMPP 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)) (GO 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 RECORD) (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 BCT) (BCTD)) | 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 ((LMP INTEGER FLUID LOC Z)) | 0082600 |
| (IF (NULL (PRMCDE . SYS)) | 0082700 |
| (BLOCK NIL (FOR Y (STEP 1 1 GR X) | 0082800 |
| (PRINCH ((GETCHAR . LISP) SA Y))) (GO XT))) | 0082900 |
| (PRINCH (CCT2CH 43Q)) | 0083000 |
| (FOR Y (STEP 1 1 GR X) | 0083100 |
| (BLOCK ((Z SYMBOL ((GETCHAR . LISP) SA Y))) | 0083200 |
| (IF (OR (EQ Z (QUOTE '')) | 0083300 |
| (EQ Z (CCT2CH 43Q)) (EQ Z (CCT2CH 3Q))) | 0083400 |
| (PRINCH (QUOTE '')) | 0083500 |
| (NCT (NORMSP Z)) | 0083600 |
| (BLOCK ((CF SYMBOL (NUMSTR (CH2OCT Z)))) | 0083700 |
| (PRINCH XXCHAR) | 0083800 |
| (PRINCH (QUOTE C)) | 0083900 |
| (BLOCK ((PRMCDE 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 (GNMCDE . SYS) (GENIDP TT)) | 0084900 |
| (BLOCK NIL (PRINCH (XXCHAR . SYS)) (PRINCH (QUOTE G))) | 0085000 |
| (IF (NORMSP TT) | 0085100 |
| (BLOCK ((PRMCDE . SYS) BOOLEAN FLUID FALSE)) | 0085200 |
| (PRINSTRING (TOSTRG TT)) (GO XT)) | 0085300 |
| (PRMCDE . SYS) (PRINCH (XXCHAR . SYS))) | 0085400 |
| T2 (PRINSTRING (TOSTRG TT)) XT (RETURN TT))) | 0085500 |
| (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 3)) | 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 (S2C. 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 |
| (PRINQ S))) (RETURN X))) | 0089800 |
| (FUNCTION (PRINARRAY . LISP) | 0089900 |
| ((X (ARRAY OCTAL))) | 0090000 |
| (IF (NOT (ARRAYP X)) | 0090100 |
| X (BLOCK ((N INTEGER (ARSIZE (S2C. X))) | 0090200 |
| (TYPE SYMBOL (ARTYPE X))) | 0090300 |
| (PRINCH (QUOTE ')) | 0090400 |
| (PRINQ 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 ')) (PRINQ (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 (PRINQ (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 (PRINQ X)))) | 0094800 |
| (FUNCTION ((PRIN . LISP) SYMBOL) | 0094900 |
| ((X SYMBOL)) | 0095000 |
| (BLOCK (((PRMCDE . SYS) BOOLEAN FLUID FALSE)) | 0095100 |
| (RETURN (PRINQ 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 CURCOL RMG) (RMGO)) | 0096100 |
| (IF (GR CURCOL MAXCOL) (ENDOUT)) | 0096200 |
| (CASE SW (GO AA) (GO BB)) | 0096300 |
| AA (SETCHAR X LINELOC CURCOL) | 0096400 |
| (SET CURCOL (PLUS CURCOL 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 MINOUT) (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 (OUTTAPE NOVALUE) | 0097900 |
| NIL (BLOCK ((Y INTEGER 0) (J INTEGER 2) (I INTEGER 1)) | 0098000 |
| (SETBUF FIXLOC 606060606060606Q1) | 0098100 |
| (SETCHAR (CCT2CH 36Q) LINELOC CURCOL) | 0098200 |
| TO (LOCSET LINELOC (BUFLOC Y)) | 0098300 |
| T1 (IF (T8X6 77Q LINELOC FIXLOC J 1) (GO T2)) | 0098400 |
| (SET J (PLUS J 1)) | 0098500 |
| (SET I (PLUS I 1)) | 0098600 |
| (IF (LQ I MAXCOL) (GO T1)) | 0098700 |
| (SET I 0) | 0098800 |
| (T8X6 77Q LINELOC FIXLOC J 1) | 0098900 |
| (SET J (PLUS J 2)) | 0099000 |
| (SET I 1) | 0099100 |
| (SET Y (PLUS 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) | 0100000 |
| (GO XT) | 0100100 |
| TO (SET MAXSEC (PLUS MAXSEC 8)) | 0100200 |
| T1 (SETBUF FIXLOC 606060606060606Q1) | 0100300 |
| (SETCHAR (CCT2CH 36Q) LINELOC 80) | 0100400 |
| T2 (LOCSET LINELOC (BUFLOC Y)) | 0100500 |
| T3 (IF (T8X6 76Q LINELOC FIXLOC J 1) (GO T4)) | 0100600 |
| (SET J (PLUS J 1)) | 0100700 |
| (SET I (PLUS I 1)) | 0100800 |

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| (IF (LS I 80) (GO T3)) | C100900 |
| (IF (T8X6 76Q LINELOC FIXLOC J I) (GO T4)) | 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 BOCLEAN) | 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 TEOB) 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 |
| (ADR 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 |

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| (LDA 80 (L567.7 R)) | C107200 |
| (BSX ((LABEL T2) 1) 3 ((LABEL TEOR) 2)) | C107300 |
| TEOR (LDL ECR RA) | C107400 |
| (BUC (LABEL T2)) 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 |
| (SGR 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 |

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| (SET ISECTOR (PLUS ISECTOR 1)) | 0113500 |
| (IF (LQ X 3) (GO T2)) | 0113600 |
| (SET ISTATUS 5) | 0113700 |
| (GO XT) T2 (IF (T75) (GO T0)) (T6X8 80 TRANDC) XT)) | 0113800 |
| (FUNCTION (INTPAS NOVALUE) | 0113900 |
| NIL (BLOCK ((X INTEGER)) | 0114000 |
| (LOCSET ILINELOC (IBUFLOC 0)) | 0114100 |
| (SET X (PLUS -1 (MOVEI (TIMES IRECORD IWPL) ILINELOC))) | 0114200 |
| (IF (LQ X 2) (GO XT)) (SET ISTATUS X) XT)) | 0114300 |
| (FUNCTION (INDCAS NOVALUE) | 0114400 |
| NIL (BLOCK ((X INTEGER) | 0114500 |
| (Y INTEGER) (Z INTEGER (TIMES IRECORD IWPL))) | 0114600 |
| (SET Y (PLUS 1 (IQUOTIENT (PLUS Z -1) 512))) | 0114700 |
| (IF (LQ (PLUS ISECTOR Y) IMAXSEC) (GO T0)) | 0114800 |
| (SET ISTATUS 4) | 0114900 |
| (GO XT) | 0115000 |
| TO (LOCSET ILINELOC (IBUFLOC 0)) | 0115100 |
| (SET X (MOVEI Z ILINELOC)) | 0115200 |
| (IF (LQ X 3) (GO T1)) | 0115300 |
| (SET ISTATUS 5) (GO XT) T1 (SET ISECTOR (PLUS ISECTOR Y 1)) XT)) | 0115400 |
| (ROUTINE (T12X8 INTEGER) | 0115500 |
| NIL (BLOCK ((Y INTEGER 1) | 0115600 |
| (B6 INTEGER) | 0115700 |
| (I INTEGER 48) | 0115800 |
| (OCT OCTAL) | 0115900 |
| (L INTEGER) | 0116000 |
| (CH OCTAL 0) | 0116100 |
| (S INTEGER 1) | 0116200 |
| (SO (ARRAY OCTAL) (C2S. (ENTRY FIXBUF))) (J INTEGER)) | 0116300 |
| ST (SET L Y) | 0116400 |
| (SET B6 48) | 0116500 |
| (SET OCT 0) | 0116600 |
| (SET J 1) | 0116700 |
| ST1 (IF (LS (SET I (PLUS I -12)) 0) | 0116800 |
| (BLOCK NIL (SET I 36) (SET S (PLUS S 1)))) | 0116900 |
| (SET CH (WORDAND 1770 (BIT I 12 (SC S)))) | 0117000 |
| (IF (EQ CH 30) | 0117100 |
| (IF (EQ Y 1) (GO B) (GO B0)) | 0117200 |
| (LS (SET B6 (PLUS B6 -8)) 0) | 0117300 |
| (BLOCK NIL (SET (IBUFLOC L) OCT) | 0117400 |
| (SET L (PLUS L 1)) (SET B6 40) (SET OCT 0))) | 0117500 |
| (BITSET B6 8 OCT (BIT 0 12 (CNVRTB (PLUS CH 1)))) | 0117600 |
| TO (SET J (PLUS J 1)) | 0117700 |
| (IF (LQ J IMAXCCL) (GO ST1)) | 0117800 |
| (SET Y (PLUS Y IWPL)) | 0117900 |
| (SET (IBUFLOC L) OCT) | 0118000 |
| (GO ST) | 0118100 |
| B0 (SET J 3015) B (SET (IBUFLOC L) OCT) (RETURN (PLUS J 1))) | 0118200 |
| (FUNCTION (T6X8 NOVALUE) | 0118300 |
| ((COL INTEGER) (WHAT (FUNCTIONAL INTEGER OCTAL INTEGER))) | 0118400 |
| (BLOCK ((Y INTEGER 1) | 0118500 |
| (B6 INTEGER) | 0118600 |
| (I INTEGER 48) | 0118700 |
| (OCT OCTAL) | 0118800 |
| (L INTEGER) | 0118900 |
| (CH OCTAL 0) | 0119000 |
| (S INTEGER 1) | 0119100 |
| (SO (ARRAY OCTAL) (C2S. (ENTRY FIXBUF))) (J INTEGER)) | 0119200 |
| ST (SET L Y) | 0119300 |
| (SET B6 48) | 0119400 |
| (SET OCT 0) | 0119500 |
| (SET J 1) | 0119600 |
| ST1 (IF (LS (SET I (PLUS I -6)) 0) | 0119700 |

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|---|---------|
| (BLOCK NIL (SET I 42) (SET S (PLUS S 1)))) | C119800 |
| (CASE (WHAT (SET CH (BIT I 6 (SC S))) J) (GO TO) (GO B) NIL) | C119900 |
| CNV (IF (LS (SET B6 (PLUS B6 -8)) 0) | 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)))) | C120300 |
| TO (SET J (PLUS J 1)) | C120400 |
| (IF (LG J CCL) (GO ST1)) | C120500 |
| (SET Y (PLUS Y IWPL)) | C120600 |
| (SET (IBUFLCC L) OCT) | C120700 |
| (GO ST) | C120800 |
| B (SET (IBUFLCC L) OCT) (SET (IBUFLCC (PLUS Y IWPL)) 74Q13))) | C120900 |
| (RCUTINE (T75 BOCLEAN) | C121000 |
| NIL (EQ 75Q (BIT 0 6 (CCRE (PLUS 10 (ENTRY FIXBUF)))))) | C121100 |
| (ALX (SECTION (LISP SYS) SYMBOL) | C121200 |
| (FUNCTION DEVTYPE (FILE) | C121300 |
| (IF (SET FILE (GET FILE (FILES. . IC))) | C121400 |
| (CDR (GET (QUOTE UNIT) FILE)) NIL)) | C121500 |
| (SECTION (10 LISP SYS) SYMBOL) | C121600 |
| (RCUTINE ((CLEAR . LISP) NOVALUE) | C121700 |
| ((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)) | C122200 |
| (FUNCTION (SEQNO NOVALUE) | C122300 |
| NIL (BLOCK ((C INTEGER COUNT) | C122400 |
| (L INTEGER 10) (N INTEGER) (S INTEGER (PLUS -1 SUMLINE))) | C122500 |
| (FOR N (STEP 1 1 GR S) | C122600 |
| (BLOCK ((Z INTEGER (CVRTNM C))) | C122700 |
| (IF (LS C 1000) | C122800 |
| (SET Z (BIT 30 18 Z)) | C122900 |
| (LS C 10000) (SET Z (BIT 24 24 Z)) (SET Z (BIT 18 30 Z))) | C123000 |
| (SET (BIT 6 42 (BUFIX L)) Z) | C123100 |
| (SET L (PLUS L 10)) (SET C (PLUS C 100))) | C123200 |
| (SET (BIT 24 24 (BUFIX 511)) CCUNT) | C123300 |
| (SET (BIT C 24 (BUFIX 511)) (PLUS C -100)) | C123400 |
| (SET (BIT 24 24 (BUFIX 512)) S) | C123500 |
| (SET (BIT C 24 (BUFIX 512)) RECCRD) (SET COUNT C))) | C123600 |
| (RCUTINE ((GET . LISP) SYMBOL) | C123700 |
| ((AA SYMBOL) (X SYMBOL)) | C123800 |
| (BLOCK ((Y SYMBOL)) | C123900 |
| G1 (IF (NULL X) (RETURN NIL)) | C124000 |
| (SET Y (CAR X)) | C124100 |
| (IF (ATOM Y) (GO G2) (EQN (CAR Y) AA) (RETURN Y)) | C124200 |
| G2 (SET X (CDR X)) (GO G1))) | C124300 |
| (FUNCTION (CVRTNM INTEGER) | C124400 |
| ((FN SYMBOL)) | C124500 |
| (BLOCK ((ST (ARRAY OCTAL) (TOSTRE FN))) | C124600 |
| (RETURN (CVRTN1 (ST) 1))) | C124700 |
| (FUNCTION (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)))))) | C125900 |
| (RCUTINE ((GETCHAR . LISP) SYMBOL) | C126000 |

| | |
|---|---------|
| ((A (ARRAY C2TAL)) (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 |
| (DVB 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 |
| (DVB 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 ((OUTF SYMBOL (OUTPUT (QUOTE OTTY)))) | 0133000 |
| (INCMCV 1) | 0133100 |
| (SET (BIT 0 6 (CORENTRY MPOST)) 0) | 0133200 |
| (PRINT M) (INCMCV -1) (OUTPUT OUTF)) | 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 LOC 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 SYMBOL)) | 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 LCC)           C000200
  (XXSAVE SYMBCL FLUID LCC))                               C000300
 (SECTION SYS SYMBCL)                                       C000400
 (DECLARE (CHC OCTAL CWN) (XXCHAR SYMBOL OWN))             C000500
 (SECTION (FSM SYS) SYMBOL)                                 C000600
 (DECLARE (FSCHAR SYMBCL CWN)                              C000700
  (FSMSYM SYMBCL CWN)                                     C000800
  (FSMOCT OCTAL OWN)                                       C000900
  (FSMREL REAL CWN)                                         C001000
  (FSNUL ECCLEAN CWN FALSE)                                 C001100
  (CHARRAY (ARRAY OCTAL)                                   C001200
   CWN (QUOTE (*OCTAL 5065064000007Q 50650710000007Q 50650710000007Q
    3065073312004Q 50650710000007Q 50650710000007Q 50650710000007Q C001300
    50650710000007Q 50650710000007Q 50650710000007Q 50650710000007Q C001400
    50650710000007Q 50650710000007Q 3065073312004Q 50650710000007Q C001500
    50650710000007Q 50650710000007Q 50650710000007Q 50650710000007Q C001600
    50650710000007Q 50650710000007Q 50650710000007Q 50650710000007Q C001700
    50650710000007Q 50650710000007Q 50650710000007Q 50650710000007Q C001800
    50650710000007Q 50650710000007Q 5065071020004Q 50650710000007Q C001900
    50650710000007Q 5065071020004Q 50650710000007Q 3065073312004Q C002000
    3065073312004Q 206507210001Q1 50650710000007Q 50650710000007Q C002100
    5065072400006Q 5065072117004Q 50650710000005Q 50650710000007Q C002200
    5065072217004Q 5065072107004Q 5065072122004Q 5065072100011Q C002300
    5075072100012Q 5065072117004Q 5075072100012Q 5054132100013Q C002400
    5065072100011Q 5012112100102Q 5012112100102Q 5012112100102Q C002500
    5012112100102Q 5012112100102Q 5012112100102Q 5012112100102Q C002600
    5012112100102Q 5023122100103Q 5023122100103Q 5065072100011Q C002700
    3065073117004Q 5065072100011Q 5065072100011Q 5065072100011Q C002800
    5065071000007Q 5065071000007Q 5105072100101Q 5105072100101Q C002900
    4105072100101Q 5105072100101Q 5035052100101Q 5105072100101Q C003000
    5105072100101Q 5105072100101Q 1105072100101Q 5105072100101Q C003100
    5105072100101Q 5105072100101Q 5105072100101Q 5105072100101Q C003200
    5105072100101Q 5105072100101Q 5041042100101Q 5105072100101Q C003300
    5105072100101Q 5105072100101Q 5105072100101Q 5105072100101Q C003400
    5105072100101Q 5105072100101Q 5105072100101Q 5105072100101Q C003500
    5065072110004Q 5065072100011Q 5065072123004Q 5065072100011Q C003600
    5065072100011Q 5065071000007Q 5065071000007Q 5065071000007Q C003700
    5065071000007Q 5065071000007Q 5065071000007Q 5065071000007Q C003800
    5065071000007Q 5065071000007Q 5065071000007Q 5065071000007Q C003900
    5065071000007Q 5065071000007Q 5065071000007Q 5065071000007Q C004000
    5065071000007Q 5065071000007Q 5065071000007Q 5065071000007Q C004100
    5065071000007Q 5065071000007Q 5065071000007Q 5065071000007Q C004200
    5065071000007Q 5065071000007Q 5065071000007Q 5065071000007Q C004300
    5065071000007Q 5065071000007Q 5065071000007Q 5065071000007Q C004400
    5065071000007Q))) (CARCDR BOOLEAN OWN)) C004500
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 C3) | 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 0 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 ((CCTZCH . 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 FSNUL TRUE)                                             0014600
    (CHREAD)                                                         0014700
    (SET FSNUL 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 |
| (TKEN (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 (WORDR (SHIFT FSMOCT 3) | 0021700 |
| (DIFFERENCE (S2C. FSCHAR) (S2C. (QUOTE '0)))))) | 0021800 |
| C21 (SET K1 0) | 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 (WORDR (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 |

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|---|---------|
| (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 |
| RFINE (SET I K1) | 0030400 |
| (SET K1 K2) | 0030500 |
| (SET K2 I) | 0030600 |
| RFIN (SET I (UNSRER)) | 0030700 |
| (SET FSMREL (CHEAT REAL REAL K1)) | 0030800 |
| (IF (EQ ES (QUOTE '-)) (SET K2 (MINUS K2))) | 0030900 |
| (SET DP (DIFFERENCE K2 DP)) | 0031000 |
| (SET FSMREL (TIMES FSMREL (EXPT 10.0 DP))) | 0031100 |
| (GO NRET) | 0031200 |
| C4 (MAKEST) | 0031300 |
| (SET FSCHAR NIL) | 0031400 |
| (SET FSMSYM (MAKEST)) | 0031500 |

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|--|---------|
| (RETURN (F3 I)) | 0031600 |
| C5 (CHREAD) | 0031700 |
| (IF (NQ FSCHAR (QUOTE 'R)) (GO C5A)) | 0031800 |
| C5R (CFREAD) | 0031900 |
| (CASE (F5 (CHARRAY (PLUS 1 (S20. FSCHAR) (MINUS (CHO . SYS)))) | 0032000 |
| (GO C5R1) (GO C5R2) (GO C5R3) (GO C5R)) | 0032100 |
| C5R1 (SET (XXSAVE . IO) FSCHAR) | 0032200 |
| (GO C7) | 0032300 |
| C5R2 (MAKEST) | 0032400 |
| (GO C5R) | 0032500 |
| C5R3 (SET FSCHAR NIL) | 0032600 |
| (SET FSMSYM (MAKEST)) | 0032700 |
| (RETURN (REMARK)) | 0032800 |
| C5A (IF (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 CCTL INTEGER (CHO . SYS)))))) | 0033400 |
| (GO C51) | 0033500 |
| (GO C52) | 0033600 |
| (GO C52) | 0033700 |
| (GO C52) | 0033800 |
| (GO C52) | 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 (OPER2) (OPRTR)) | 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 FSMCCT 0) | 0035300 |
| C5CG (CHREAD) | 0035400 |
| (SET I (DIFFERENCE (S20. FSCHAR) CHO)) | 0035500 |
| (IF (AND (GQ I 6Q1) (LQ I 71Q)) | 0035600 |
| (SET I (PLUS I 777777777777717Q)) (GO C5C2)) | 0035700 |
| C5C1 (SET FSMCCT (PLUS (SHIFT FSMCCT 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 FSMCCT 1) | 0036900 |
| (SET FSMSYM (QUOTE (*STRING '))) | 0037000 |
| C81 (CHREAD) | 0037100 |
| (IF (EQ FSCHAR (QUOTE ')) | 0037200 |
| (BLOCK NIL (SET FSMCCT (PLUS FSMCCT 1)) (GO C81))) | 0037300 |
| (SET (XXSAVE . IO) FSCHAR) | 0037400 |
| (RETURN (SPACER)) | 0037500 |
| C9 (OPER1) | 0037600 |
| (RETURN (OPRTR)) | 0037700 |
| C10 (RETURN (OPER2)) | 0037800 |

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|---|---------|
| C11 (MAKEST) | C037900 |
| (CHREAD) | C038000 |
| {SET (XXSAVE . IC) 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 (DOT)))) | C038500 |
| (IF (OR (EQ (F1 I) 1) (EQ (F1 I) 11)) | C038600 |
| (BLOCK NIL (IF (DOTL) (RETURN (DLITRL)) (RETURN (UNREC)))) | C038700 |
| (BLOCK NIL (SET K1 0) (SET K2 0) (GO I5S1)))))) | C038800 |
| | C038900 |

***END OF FILE DETECTED

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| (DUMMYS (SECTION SYS SYMBOL) | 0000100 |
| (DECLARE ((PCBLF . 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 (SLPV 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 ((ENCOLTR . 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) (PDOUR SYMBOL OWN)) | 0005200 |
| (DECLARE (DUMPS SYMBOL OWN NIL) (LFILES SYMBOL OWN NIL))) | 0005300 |
| (INDEX (SECTION SYS SYMBOL) | 0005400 |
| (RCUTINE (FNCLD 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 |

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| (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 (UNLCLN SYMBOL) ((FN (FUNCTIONAL NOVALUE)))) | 0006700 |
| (FUNCTION (FACTIVE BCCLEAN) ((FN (FUNCTIONAL NOVALUE)))) | 0006800 |
| (SECTION SYS SYMBCL) | 0006900 |
| (FUNCTION ((ERROR . LISP) SYMBOL) ((S SYMBOL))) | 0007000 |
| (FUNCTION (GCCDERR 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 BCCLEAN) | 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 SYMBCL) | 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 (PCGONE NOVALUE) NIL) | 0009800 |
| (FUNCTION (SCS SYMBOL) ((M SYMBOL))) | 0009900 |
| (SECTION SYS SYMBCL) | 0010000 |
| (FUNCTION ((EXCISE . LISP) SYMBOL) ((N SYMBOL) (S SYMBOL))) | 0010100 |
| (FUNCTION (EXCISF SYMBOL) ((FD SYMBCL))) | 0010200 |
| (RCUTINE (FXRUB CCTL) ((I OCTAL))) | 0010300 |
| (SECTION SYS SYMBCL) | 0010400 |
| (FUNCTION (GETBPS INTEGER) ((I INTEGER))) | 0010500 |
| (FUNCTION (FITBPS INTEGER) ((I INTEGER))) | 0010600 |
| (FUNCTION (PACBPS NOVALUE) ((R INTEGER))) | 0010700 |
| (FUNCTION (UNLBPS BCCLEAN) ((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 SYMBOL) ((X SYMBCL) (LSIZE INTEGER LOG))) | 0011700 |
| (FUNCTION ((UNLOADL . LISP) SYMBOL) ((LNAME SYMBOL))) | 0011800 |
| (FUNCTION ((UNLOADFN . LISP) SYMBOL) ((NAME SYMBOL) (SEC SYMBOL))) | 0011900 |
| (FUNCTION (UNLDFN SYMBOL) ((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 SYMBOL) (SECT INTEGER) (I INTEGER))) | 0012500 |
| (RCUTINE (INLIB INTEGER) | 0012600 |

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| ((BP INTEGER) (NAME INTEGER) (SECT INTEGER) (I INTEGER))) | CO12700 |
| (FUNCTION (REMFN NOVALUE) ((FD SYMBOL))) | CO12800 |
| (FUNCTION ((REMOVE1 . LISP) SYMBOL) ((LNAME SYMBOL))) | CO12900 |
| (SECTION SYS SYMECL) | 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 (O2F. (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 (FUNCE 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 (CADR 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 (O2F. (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 |
| ((FNCAID . 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))) | 0019000 |
| (SET (FMCALL . SYS) FNAME) | 0019100 |
| (IF SLA. (SET ALA. (S2C. SLA.))) | 0019200 |
| (CCDE (LDA ALA.) (BUC CA I))))))))) | 0019300 |
| (TRACEM (LAMBDA (L) | 0019400 |
| (LIST (QUOTE (TRAPM . SYS)) (GENSYM) TRUE (CADR L)))))) | 0019500 |
| (TRAPM (SECTION SYS SYMBOL) | 0019600 |
| (RCUTINE (FN CALD FUNCTIONAL) | 0019700 |
| ((RA OCTAL)) | 0019800 |
| (BLOCK ((FA OCTAL (RADDR (PLUS RA -1)))) | 0019900 |
| (IF (EQ (BIT 42 6 (CORE FA)) 0) (SET FA (RADDR FA))) | 0020000 |
| (RETURN (OZF. (WORDC 2Q7 FA)))) | 0020100 |
| (RCUTINE (LARG SYMBOL) | 0020200 |
| ((FN (FUNCTIONAL NOVALUE))) | 0020300 |
| (BLOCK ((WW OCTAL FREE (SYNTYPE (FUNC2VAR FN))) | 0020400 |
| (PP INTEGER FREE 12) | 0020500 |
| (RR INTEGER FREE 1) | 0020600 |
| (AA (ARAY OCTAL) FREE) (LA SYMBOL) (C OCTAL)) | 0020700 |
| (IF (EQ (BIT 24 6 WW) 1) | 0020800 |
| (BLOCK NIL (SET AA (O2S. (BIT 6 18 WW))) | 0020900 |
| (SET WW (AA 1)) (SET PP 30))) | 0021000 |
| (FOR C (LOCP (RDTYPC)) | 0021100 |
| (WHILE (NG C 63)) | 0021200 |
| (SET LA (IF (CR (RELATION 0 LS C LS 5) | 0021300 |
| (AND (EQ C 31) (RDTYPC))) (QUOTE A) (QUOTE S)))) | 0021400 |
| (RETURN LA))) | 0021500 |
| (RCUTINE (RESUME OCTAL) | 0021600 |
| ((FN (FUNCTIONAL NOVALUE)) (MODE BOCLEAN)) | 0021700 |
| (BLOCK ((CP OCTAL)) | 0021800 |
| A (IF (EQ (FNSTAT FN) 0) | 0021900 |
| (SET CP (BIT C 18 (FUNCD FN))) | 0022000 |
| (AND (FREADY FN) MODE) | 0022100 |
| (SET CP (BIT 24 18 (FUNCD FN))) | 0022200 |
| (BLOCK NIL (SET FN (OZF. (BIT C 24 (FUNCD FN)))) (GO A))) | 0022300 |
| (RETURN (IF (LARG FN) (PLUS CP 2) (PLUS CP 1)))))) | 0022400 |
| (SLBFNS (SECTION SYS SYMBOL) | 0022500 |
| (FUNCTION (MESSAGE SYMBOL) | 0022600 |
| ((M SYMBOL)) | 0022700 |
| (BLOCK ((K SYMBOL)) | 0022800 |
| (FOR K (IN (MSGFILE . SUPV)) | 0022900 |
| (BLOCK ((CUT SYMBOL (OUTPUT K))) (PRETTY P M) (OUTPUT OUT))) | 0023000 |
| (RETURN M))) | 0023100 |
| (RCUTINE ((MEMBERN . LISP) BCOLEAN) | 0023200 |
| ((X SYMBOL) (L SYMBOL)) | 0023300 |
| (BLOCK ((Y SYMBOL)) (FOR Y (IN L) (IF (EQN X Y) (RETURN TRUE)))) | 0023400 |
| (FUNCTION ((DELE . LISP) SYMBOL) | 0023500 |
| ((X SYMBOL) (L SYMBOL)) | 0023600 |
| (BLOCK ((P SYMBOL) (M SYMBOL)) | 0023700 |
| (FOR L (CN L) (IF (NG (CAR (SET P L)) X) (GO A))) | 0023800 |
| (RETURN NIL) | 0023900 |
| A (IF (NULL (SET M (CDR P))) | 0024000 |
| (RETURN L) (EQ (CAR M) X) (SET (CDR P) (CDR M)) (SET P M)) | 0024100 |
| (GO A))) | 0024200 |
| (FUNCTION (GETFN SYMBOL) | 0024300 |
| ((N SYMBOL) (S SYMBOL)) | 0024400 |
| (GETFN1 N S (QUOTE (FUNCTION MACRO INSTRUCTIONS)))) | 0024500 |
| (FUNCTION (GETFRT SYMBOL) | 0024600 |
| ((N SYMBOL) (S SYMBOL)) | 0024700 |
| (GETFN1 N S (QUOTE (FUNCTION MACRO INSTRUCTIONS ROUTINE)))) | 0024800 |
| (FUNCTION (GETFN1 SYMBOL) | 0024900 |
| ((N SYMBOL) (S SYMBOL) (L SYMBOL)) | 0025000 |
| (BLOCK ((X SYMBOL (GETFREE N S))) | 0025100 |
| (IF (AND X (MEMBER (FVKIND X) L)) (RETURN X)))) | 0025200 |

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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 |
| (RCUTINE (UNLDR SYMBOL) | 0025900 |
| ((FN (FUNCTIONAL NOVALUE))) | 0026000 |
| (IF (READY 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 J 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) (GC 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 (CONDERR 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 |
| (RCUTINE (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. (I20. (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. (S20. 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 OCTAL)) | 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 |
| UNCD (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)) (I20. (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 (S20. 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 |

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| (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 (CFFTRAC 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 ARD (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 BPU) (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 |

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|---|---------|
| (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 1)) | 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 3 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)))                                0056800
  (IF (EQ (FNSTAT (SET FN (VAR2FUNC V)))) 1)          0056900
  (IF (AND (EQ (AGE V) N) (TRAPEQ FN ITRAP1))        0057000
    (BLOCK NIL (SET (FUNCD FN)                       0057100
      (WORDOR (WORDAND 7Q14 (FUNCD FN))              0057200
        (BIT 24 18 (FUNCD FN)))) (UNLDFN V X)))      0057300
    (AND (LS N 0) (FREADY FN)) (UNLDFN V X))))))     0057400
(RETURN FALSE)))                                     0057500
(FUNCTION (INTERRUPT COTAL)                           0057600
NIL (BLOCK ((ALA. COTAL (CODE)))                     0057700
  (BLOCK ((X SYMBCL) (V SYMBOL) (FN (FUNCTIONAL NOVALUE))) 0057800
    (FOR X (IN DUMPS)                                  0057900
      (FOR V (IN (CADDR X))                            0058000
        (UNLESS (NOT (FREADY (SET FN (VAR2FUNC V)))) 0058100
          (IF (EQ (FNSTAT FN) 0)                       0058200
            (BLOCK NIL (SETRAP FN ITRAP1) (SET (AGE V) 0)) 0058300
            (TRAPEQ FN ITRAP1)                          0058400
            (IF (LS (AGE V) 7) (SET (AGE V) (PLUS (AGE V) 1)))))) 0058500
          (CODE (LDX (INTCNT . SYS) 0 6)) (SET INTCNT INTCNT)) 0058600
          (RETURN ALA.)))                               0058700
    (FUNCTION (ITRAP1 NOVALUE)                          0058800
      NIL (BLOCK ((ALA. COTAL (CODE)))                  0058900
        (BLOCK ((FN (FUNCTIONAL NOVALUE)                0059000
          ((FNCALD . SYS) (CODE (LDA 0 8))))))          0059100
          (SET (FUNCD FN)                               0059200
            (WORDOR (WORDAND 7Q14 (FUNCD FN)) (BIT 24 18 (FUNCD FN)))) 0059300
          (BLOCK ((CA COTAL ((RESUME . SYS) FN NIL))) 0059400
            (SET (FMCALL . SYS) FN) (CODE (LDA ALA.) (BUC CA I)))))) 0059500
      (ROUTINE (FIXBPI NOVALUE)                          0059600
        ((BP INTEGER) (A INTEGER) (B INTEGER))          0059700
        (CRG NIL (BLOCK ((I INTEGER (LADDR BP))         0059800
          (D INTEGER (PLUS B (MINUS A))))               0059900
          (BLOCK ((BE INTEGER (PLUS BP I)) (BW COTAL) (C INTEGER ...)) 0060000
            (FOR BP (STEP BP 1)                           0060100
              (WHILE (LS BP BE))                         0060200
                (BLOCK NIL (IF (LS (SET C (PLUS C -1)) 0) 0060300
                  (BLOCK NIL (SET BE (PLUS BE -1))       0060400
                    (SET BW (CORE BE)) (SET C 23)))      0060500
                  (IF (AND (NQ (WORDAND BW 4Q15) 0)      0060600
                    (LQ A (LADDR BP)) (LS (LADDR BP) (PLUS A I))) 0060700
                    (SET (LADDR BP) (PLUS (LADDR BP) D))) 0060800
                  (IF (AND (NQ (WORDAND BW 2Q15) 0)      0060900
                    (LQ A (RADDR BP)) (LS (RADDR BP) (PLUS A I))) 0061000
                    (SET (RADDR BP) (PLUS (RADDR BP) D))) 0061100
                    (SET BW (SHIFT BW 2)))))))))         0061200
          (DUMP (SECTION SYS SYMBOL)                     0061300
            (FUNCTION ((DUMPSEC . LISP) SYMBOL)          0061400
              ((LNAME SYMBOL) (OUT SYMBOL) (SEC SYMBOL)) 0061500
              (BLOCK ((I INTEGER 1) (L SYMBOL) (A SYMBOL)) 0061600
                (FOR I (STEP I 1 GR DBLSIZ)              0061700
                  (FOR A (RESET (CBLIST I) (IDLINK A))   0061800
                    (WHILE A) (IF (GETFREE A SEC) (SET L (CONS (CONS A SEC) L)))) 0061900
                  (RETURN (DUMPL LNAME OUT L))))        0062000
              (FUNCTION ((DUMPL . LISP) SYMBOL)          0062100
                ((LNAME SYMBOL) (OUT SYMBOL) (L SYMBOL)) 0062200
                (BLOCK ((LSIZE INTEGER 0)                0062300
                  (B SYMBOL) (LF SYMBOL) (S SYMBOL) (M SYMBOL) (X SYMBOL)) 0062400
                  (IF (NCT (AND (IDP LNAME) (IDP OUT)) (LISTP L))) 0062500
                    (ERROR (QUOTE (BAD ARGS TO DUMPL)))) 0062600
                  (OPENL OUT)                             0062700
                  (SET B (GET (QUOTE BUF) (GET OUT (FILES. . IO)))) 0062800
                  (SET LF (FINDN OUT LFILES))            0062900
                  (SET (CDR B) (CREATE 512 (QUOTE COTAL) 0)) 0063000

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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 |
| (ENDOUTR) | 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 BPD) (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 2Q5) | 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)) 0Q) | C068600 |
| (SET (BPMIN . GC) (PLUS (BPMIN . GC) (MINUS (LADDR BP)))) | C068700 |
| (SET (FUNCD FN) | C068800 |
| (WORDOR 2Q15 (WORDAND (FUNCD FN) 7Q14) | 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 (CCRE 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
(RCUTINE (INLIB INTEGER)                                     0074800
  ((BP INTEGER) (NAME INTEGER) (SECT INTEGER) (I INTEGER))  0074900
  (BLOCK NIL (SET (CORENTRY MNAME) NAME)                    0075000
  (SET (CORENTRY MINOUT) (CORENTRY IN))                      0075100
  (SET (CORENTRY MLOC) BP)                                   0075200
  (SET (CORENTRY MSECTR) SECT)                               0075300
  (SET (CORENTRY MSIZE) I)                                   0075400
  (CODE (LDA (ENTRY MCALL) (RA R)) (BUG (ENTRY DSPCHR)))    0075500
  (RETURN (BIT 0 6 (CORENTRY MSTAT))))))                    0075600

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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) (OZS. (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) (GO 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 (S20. 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 (S20. V) | C084500 |
| (CORE (PLUS (S20. 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 (FORMALIZE SYMBOL) ((V SYMBOL) (D SYMBOL))) | 0000800 |
| (FUNCTION (VNAMER SYMBOL) ((N SYMBOL))) | 0000900 |
| (FUNCTION (LAPI NOVALUE) ((MODE SYMBOL) (PDK INTEGER))) | 0001000 |
| (RCUTINE (LAPPLSH1 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 (FLBINC SYMBOL) ((L SYMBOL))) | 0001600 |
| (FUNCTION (FLRESTS SYMBOL) NIL) | 0001700 |
| (FUNCTION (LAPADR NOVALUE) ((X SYMBOL) (P BCCLEAN))) | 0001800 |
| (FUNCTION (LAPABSADDR INTEGER) ((X SYMBOL))) | 0001900 |
| (FUNCTION (LAPADCL 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 (PRINQCT 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 |

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| (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 |
| (CCN 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 |
| (ACR OCTAL CWN 53Q14) | C009700 |
| (SOR OCTAL CWN 534Q13) | C009800 |
| (ATR OCTAL CWN 54Q14) | C009900 |
| (BOZ OCTAL CWN 6002Q12) | C010000 |
| (BNZ OCTAL CWN 6012Q12) | C010100 |
| (BOZP 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 |

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|--|---------|
| (SECTION (LAP SYS) SYMBOL) | CO12700 |
| (DECLARE (ENTRIES SYMBOL OWN)) | CO12800 |
| (DECLARE ((LAPSTOP . SYS) BOOLEAN FREE) (LAPSTL SYMBOL OWN)) | CO12900 |
| (DECLARE (SNAME SYMBOL FLUID) | CO13000 |
| (FNAME SYMBOL FLUID) | CO13100 |
| (FSEC SYMBOL FLUID) | CO13200 |
| (ROUT BOOLEAN FLUID) | CO13300 |
| (FDESC SYMBOL FLUID) | CO13400 |
| (FSIZ INTEGER FLUID) | CO13500 |
| (ORIGIN BOOLEAN FLUID) | CO13600 |
| (ORGMODE BOOLEAN FLUID) | CO13700 |
| (ILC INTEGER FLUID) | CO13800 |
| (RLC INTEGER FLUID) | CO13900 |
| (PDC INTEGER FLUID) | CO14000 |
| (PDMAP SYMBOL FLUID) | CO14100 |
| (MAPS SYMBOL FLUID) | CO14200 |
| (PDMIN INTEGER FLUID) | CO14300 |
| (PDMAX INTEGER FLUID) | CO14400 |
| (LABELS SYMBOL FLUID) | CO14500 |
| (ALIST SYMBOL FLUID) | CO14600 |
| (APLIST SYMBOL FLUID) | CO14700 |
| (FL SYMBOL FLUID) | CO14800 |
| (FA INTEGER FLUID) | CO14900 |
| (FM SYMBOL FLUID) | CO15000 |
| (FR INTEGER FLUID) | CO15100 |
| (TAG INTEGER FLUID) | CO15200 |
| (LG SYMBOL FLUID) | CO15300 |
| (IT SYMBOL FLUID) (ERRS BOOLEAN FLUID) (OUTLAP SYMBOL OWN)) | CO15400 |
| (MACROS (SECTION SYS SYMBOL) | CO15500 |
| MACR01 ((FLVAL (LAMBDA (X) | CO15600 |
| (LIST (QUOTE CORE) | CO15700 |
| (LIST (QUOTE PLUS) | CO15800 |
| -1 (APPEND (QUOTE (CHEAT SYMBOL INTEGER)) (CDR X)))))) | CO15900 |
| (RCUTINE (SETFD NOVALUE) ((FD SYMBOL) (J INTEGER))) | CO16000 |
| (FUNCTION (MESSAGE SYMBOL) ((M SYMBOL))) | CO16100 |
| (FUNCTION (EXCISE SYMBOL) ((V SYMBOL))) | CO16200 |
| (FUNCTION (FTRANS SYMBOL) ((P SYMBOL))) | CO16300 |
| (FUNCTION (GETBPS INTEGER) ((I INTEGER))) | CO16400 |
| (RCUTINE (VREFCT NOVALUE) ((V SYMBOL)(I INTEGER))) | CO16500 |
| (DECLARE ((ERRFLG . SUPV) BOOLEAN FREE)) | CO16600 |
| (LAP (SECTION (LAP SYS) SYMBOL) | CO16700 |
| (FUNCTION ((LAP . LISP) SYMBOL) | CO16800 |
| ((A SYMBOL) (B SYMBOL) (C SYMBOL)) | CO16900 |
| (BLOCK ((APLIST SYMBOL FREE NIL)) (RETURN (LAPP A B C)))) | CO17000 |
| (FUNCTION (LAPP SYMBOL) | CO17100 |
| ((LISTING SYMBOL) (DLIST SYMBOL) (SNAME SYMBOL FLUID)) | CO17200 |
| (BLOCK ((FNAME SYMBOL FLUID) | CO17300 |
| (FSEC SYMBOL FLUID) | CO17400 |
| (ROUT BOOLEAN FLUID) | CO17500 |
| (FDESC SYMBOL FLUID) | CO17600 |
| (FSIZ INTEGER FLUID) | CO17700 |
| (ORIGIN BOOLEAN FLUID) | CO17800 |
| (ORGMODE BOOLEAN FLUID) | CO17900 |
| (ILC INTEGER FLUID) | CO18000 |
| (RLC INTEGER FLUID) | CO18100 |
| (PDC INTEGER FLUID) | CO18200 |
| (PDMAP SYMBOL FLUID) | CO18300 |
| (MAPS SYMBOL FLUID) | CO18400 |
| (PDMIN INTEGER FLUID) | CO18500 |
| (PDMAX INTEGER FLUID) | CO18600 |
| (LABELS SYMBOL FLUID) | CO18700 |
| (ALIST SYMBOL FLUID) | CO18800 |
| (FL SYMBOL FLUID) | CO18900 |

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|--|---------|
| (HA INTEGER FLUID) | 0019000 |
| (HM SYMBOL FLUID) | 0019100 |
| (HR INTEGER FLUID) | 0019200 |
| (TAG INTEGER FLUID) | 0019300 |
| (LG SYMBOL FLUID) | 0019400 |
| (IT SYMBOL FLUID) | 0019500 |
| (ERRS BOOLEAN FLUID) | 0019600 |
| (FD SYMBOL) | 0019700 |
| (A SYMBOL) (D SYMBOL) (I INTEGER) (J INTEGER) (PATCH BOOLEAN)) | 0019800 |
| (SET DLIST (MAPCAR DLIST FREEDECL)) | 0019900 |
| (IF (EQ (CAR LISTING) (QUOTE PATCH)) | 0020000 |
| (GO B) (EQ (CAR LISTING) (QUOTE ROUTINE)) (SET ROUT TRUE)) | 0020100 |
| (SET FNAME (VNAMER (CAADR LISTING))) | 0020200 |
| (SET FSEC (CDR FNAME)) | 0020300 |
| (SET D (CADDR LISTING)) | 0020400 |
| (SET A (LIST (CAR LISTING) | 0020500 |
| (FORMALIZE (CADADR LISTING) D) (QUOTE VALUE))) | 0020600 |
| (SET FC (FREEDECL (CONS FNAME A))) | 0020700 |
| (SET FDESC (FREEDECL (CONS (CONS (GENID) (QUOTE TEMP)) A))) | 0020800 |
| (SET FNAME (CAR FNAME)) | 0020900 |
| (IF (NULL FC) (GO ERRS)) | 0021000 |
| (SET FSIZ (PLUS FPP (SET ILC 1))) | 0021100 |
| (SET LG (CADDR LISTING)) | 0021200 |
| (GO LAP1) | 0021300 |
| B (SET FNAME (QUOTE PATCH)) | 0021400 |
| (SET ILC (SET FSIZ FPP)) | 0021500 |
| (SET ORIGIN (SET ORGMODE (SET PATCH TRUE))) | 0021600 |
| (SET LG (CDR LISTING)) | 0021700 |
| LAP1 (SET PDMAX 1) | 0021800 |
| (SET RLC (SET PDC (SET PDMIN 0))) | 0021900 |
| (IF D (SET PDC 1)) | 0022000 |
| (LAP1 (QUOTE END) 0) | 0022100 |
| J (LAP1 NIL 0) | 0022200 |
| (IF LG (GO J) ERRS (GO ERRS) (NCT PATCH) (VREFCT FDESC 1)) | 0022300 |
| (IF (NCT ORIGIN) (GO C) (NCT ORGMODE) (SET ILC FSIZ)) | 0022400 |
| (SET FSIZ (PLUS ILC RLC (MINUS FPP))) | 0022500 |
| (SET ORGMODE TRUE) | 0022600 |
| (SET RLC ILC) | 0022700 |
| (SET J (SET ILC FPP)) | 0022800 |
| (IF PATCH (GO E) (GO D)) | 0022900 |
| C (SET FSIZ (PLUS ILC RLC)) | 0023000 |
| (SET I (IQUOTIENT (PLUS FSIZ 23) 24)) | 0023100 |
| (SET FSIZ (PLUS FSIZ I)) | 0023200 |
| (SET J (GETBPS FSIZ)) | 0023300 |
| (FOR I (STEP I -1 EQ 0) (SET (CCRE (PLUS J FSIZ (MINUS I))) OQ)) | 0023400 |
| (SET RLC ILC) | 0023500 |
| (SET ILC 0) | 0023600 |
| D (SETFD FDESC J) | 0023700 |
| (BPINST 40CCCC0001Q6 FSIZ (QUOTE A) (S20. FDESC) (QUOTE F)) | 0023800 |
| (PRINCCM NIL 0) | 0023900 |
| (SET LG (CADDR LISTING)) | 0024000 |
| (SET MAPS (LIST (CONS 0 (PLUS ILC -1)) (CONS -1 (PLUS ILC -1)))) | 0024100 |
| (GO LAP2) | 0024200 |
| E (SET LG (CDR LISTING)) | 0024300 |
| (SET MAPS (QUOTE ((0 . 4002Q1) (-1 . 0)))) | 0024400 |
| LAP2 (SET PDC (MINUS (LENGTH D))) | 0024500 |
| (SET ALIST (SET FL NIL)) | 0024600 |
| (LAPDECLARE D) | 0024700 |
| (IF PDMAP (SET (CDR PDMAP) NIL)) | 0024800 |
| (SET PDMIN 0) | 0024900 |
| (LAP2 (QUOTE END) 0) | 0025000 |
| K (LAP2 NIL 0) | 0025100 |
| (IF LG (GO K)) | 0025200 |

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|--|---------|
| (IF PATCH (GC R) | 0025300 |
| ERRS (BLOCK NIL (EXCISF FDESC) (GC ERRS)) | 0025400 |
| (AND LAPSTOP (NQ FSEC (QUOTE RLM))) | 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 OQ)) | 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 C (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 |

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|---|---------|
| (GO A) | C031600 |
| B (SET CP (CAR IT)) | C031700 |
| (SET X (CDR IT)) | C031800 |
| (SET U (FINDN CP (QUOTE ((CRG . 0) | 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 L) | 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 CRG)) | C033600 |
| (GO CRG) | 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 |
| C (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 |

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|---|---------|
| (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 (CONS 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 |

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|---|---------|
| (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 PCP.)) | 0047700 |
| (GO PCP.) (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 ORGMODE (OR (NULL X) (NULL (CAR X)))) | 0050100 |
| (SET ILC (IF ORGMODE FPP (BLOCK NIL (LAPABSADDR (CAR X)) | 0050200 |
| (RETURN HA)))) | 0050300 |
| (GO Q) | 0050400 |

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|---|---------|
| 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 Q) | 0050900 |
| BEGIN (SET IT (QUOTE (STP 0 8))) | 0051000 |
| (IF ROUT (GO 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 (RCUTP (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 |
| Q (IF CT (PRINCCM CT 31)) | 0056500 |
| (GO A) | 0056600 |
| E (SET IT NIL) | 0056700 |

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|---|---------|
| (IF (NULL MCDE) (GO EXIT)) | 0056800 |
| (LAPNIX (QUOTE (END MISSING))) | 0056900 |
| (SET L (CONS (QUOTE (END)) L)) (GO K) EXIT))) | 0057000 |
| (FLBIND (FUNCTION (FLBIND SYMBOL) | 0057100 |
| ((L SYMBOL)) | 0057200 |
| (BLOCK (V M U (CP OCTAL 2Q14) (N INTEGER (LENGTH L))) | 0057300 |
| (SET FL (CONS (PLUS ILC 1) FL)) | 0057400 |
| A (SET V (VNAMER (CAR L))) | 0057500 |
| (IF (NULL (SET U (FIND V ALIST))) (GO E)) | 0057600 |
| (SET M (CONS (IF U (LIST (IF (EQ (CADDR U) (QUOTE LOC)) | 0057700 |
| CP (PLUS CP IQ14)) V O (MINUS (CADR U))) | 0057800 |
| (BLOCK NIL (LAPNIX (LIST V)) (RETURN (QUOTE (O)))) M)) | 0057900 |
| B (SET CP OQ) | 0058000 |
| (IF (SET L (CDR L)) (GO A)) | 0058100 |
| (RETURN (CONS (QUOTE (BSX (ENTRY FLBIND) 3 TOP.)) | 0058200 |
| (LIST (QUOTE (PUSHP.) N) M)) | 0058300 |
| E (LAPNIX V) (SET M (CONS (QUOTE (O)) M)) (GO B))) | 0058400 |
| (FUNCTION (FLRESTS SYMBOL) | 0058500 |
| NIL (BLOCK ((U SYMBOL)) | 0058600 |
| (SET U (MAPCAR FL (FUNCTION ((G02448 . G02449) SYMBOL) | 0058700 |
| ((J SYMBOL)) | 0058800 |
| (SUBST J (QUOTE W) | 0058900 |
| (QUOTE (BSX (ENTRY FLREST) 7 (CRG. W)))))) | 0059000 |
| (SET FL NIL) (RETURN U))) | 0059100 |
| (LAPADDR (FUNCTION (LAPADDR NOVALUE) | 0059200 |
| ((X SYMBOL) (P BCCLEAN)) | 0059300 |
| (BLOCK ((HR INTEGER) (U SYMBOL)) | 0059400 |
| (SET HA (SET HR O)) | 0059500 |
| (SET HM NIL) | 0059600 |
| X (IF (NULL X) | 0059700 |
| (GO EXIT) | 0059800 |
| (LAPADD1 X P) | 0059900 |
| (GO A) | 0060000 |
| (IDP X) | 0060100 |
| (GO B) | 0060200 |
| (ATOM X) | 0060300 |
| (BLOCK NIL (LAPNIX (LIST (QUOTE FIELD) X)) (GO EXIT)) | 0060400 |
| (IDP (CDR X)) | 0060500 |
| (GO V2) | 0060600 |
| (EQ (CAR X) (QUOTE NUMBER)) | 0060700 |
| (GO NUMBER) | 0060800 |
| (EQ (CAR X) (QUOTE QUOTE)) | 0060900 |
| (GO QUOTE) | 0061000 |
| (EQ (CAR X) (QUOTE ID)) | 0061100 |
| (GO ID) (EQ (CAR X) (QUOTE LAP)) (GO LAP)) | 0061200 |
| SUM (IF (NCT (LAPADD1 (CAR X) P)) | 0061300 |
| (LAPNIX (LIST (QUOTE SUMMAND) (CAR X)))) | 0061400 |
| (IF (SET X (CDR X)) (GO SUM)) | 0061500 |
| A (IF (OR CRIGIN (EQ HR O)) | 0061600 |
| (SET HM (QUOTE A)) | 0061700 |
| (EQ HR 1) (SET HM (QUOTE R)) (LAPNIX (QUOTE RELOCATION))) | 0061800 |
| (GO EXIT) | 0061900 |
| B (IF (EQ X (QUOTE (PUSHA.)) | 0062000 |
| (LAPPUSH 1 OQ) | 0062100 |
| (EQ X (QUOTE (PUSHP.)) | 0062200 |
| (LAPPUSH 1 IQ) (EQ X (QUOTE (PCP.)) (LAPPOP 1) (GO V1)) | 0062300 |
| (IF (NCT P) | 0062400 |
| (BLOCK NIL (LAPNIX (LIST (QUOTE DECREMENT) X)) (GO EXIT))) | 0062500 |
| (SET HA (MINUS (IF (EQ X (QUOTE (PDP.)) (PLUS PDC 1) PDC))) | 0062600 |
| (SET HM (QUOTE A)) | 0062700 |
| (SET TAG 8) | 0062800 |
| (GO EXIT) | 0062900 |
| V1 (IF (NULL (SET U (FIND X ALIST))) (GO V6) P (SET TAG 8)) | 0063000 |

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| 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 |

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|--|---------|
| (EQ (CAR X) (QUOTE MINUS)) (GC M) (RETURN NIL)) | 0069400 |
| (IF S (BLOCK NIL (SET V (MINUS V)) (SET R (MINUS R)))) | 0069500 |
| (SET HA (PLUS FA V)) | 0069600 |
| (SET HR (PLUS FR R)) | 0069700 |
| (RETURN TRUE) M (SET S (NOT S)) (SET X (CADR X)) (GC A))) | 0069800 |
| (FUNCTION (LAPTAG NOVALUE) | 0069900 |
| ((X SYMBOL)) | 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 (EXPLCDE 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)) (GC 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 (('C . 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))) (GC 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 (GC (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)) (GC 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 |

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|---|---------|
| (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 0Q) | 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 CD)) | 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 |
| (REWORD (SHIFT (PLUS (CAR M) 1) 24) 0 (QUOTE R)) | C078400 |
| (SET MAPS (CONS (CONS (CAR M) RLC) MAPS)) | C078500 |
| (REWORD (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 GRMCODE (SET FPP (PLUS FPP 1))) | C080000 |
| (IF OUTLAP (BLOCK ((S SYMBOL (OUTPUT OUTLAP))) | C080100 |
| (PRINOC T R 6) (BLANKS 2) (PRINOC T C 16) (OUTPUT S))) | C080200 |
| (IF FL (LAPNIX (QUOTE RELOC)))) | C080300 |
| (ROUTINE (BPADDR OCTAL) | C080400 |
| ((C INTEGER) (M SYMBOL) (A INTEGER) (H SYMBOL)) | C080500 |
| (BLOCK ((C INTEGER)) | C080600 |
| (IF (NULL M) (RETURN 0Q) (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 |
| (ROUTINE (BPLCC INTEGER) | C081900 |

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

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|---|---------|
| (SECTION (SECTION (COMPIL SUPV SYS LISP) SYMBOL)) | 0000100 |
| (HELP (DECLARE (SLIST SYMBOL FLUID)) | 0000200 |
| (SNAME SYMBOL FLUID) | 0000300 |
| (STYPE SYMBOL FLUID) | 0000400 |
| ((DEBUG . LISP) BOCLEAN FLUID) | 0000500 |
| (FKIND SYMBOL FLUID) | 0000600 |
| (FORG SYMBOL FLUID) | 0000700 |
| (SCLASS SYMBOL FLUID) | 0000800 |
| (PCCLASS SYMBCL 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 |
| (TERMINI 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 |
| (CT 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 (CCMER2 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 . COMPIL) BOCLEAN) | 0005500 |
| NIL (AND (NCT (FKIND . COMPIL)) (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 (NCT (MEMBER L LABELS)) | 0006300 |

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|---|---------|
| (SET GOLIST (CONS (CONS (QUOTE GO) LISTING) GOLIST)))) | C006400 |
| (FUNCTION (ATTACHLAB SYMBOL) | C006500 |
| ((L SYMBOL)) (BLOCK NIL (ATTACH L) (SET LABELS (CONS L LABELS)))) | C006600 |
| (FUNCTION (REMOTE SYMBOL) | C006700 |
| ((L SYMBOL)) (SET REMOTES (CONS L REMOTES))) | C006800 |
| (FUNCTION (BLCTTC SYMBOL) | C006900 |
| NIL (SET VBLOT (QUOTE (AC L B X1 X2 X3 X4)))) | C007000 |
| (FUNCTION (BLCTCH SYMBOL) | C007100 |
| ((X SYMBOL)) | C007200 |
| (IF (MEMBER X VBLOT) NIL (SET VBLOT (CONS X VBLOT)))) | C007300 |
| (FUNCTION (UNION SYMBOL) | C007400 |
| ((A SYMBOL) (B SYMBOL)) | C007500 |
| (BLOCK NIL L (IF (NULL B) | C007600 |
| (RETURN A) (NOT (MEMBER (CAR B) A)) (SET A (CONS (CAR B) A))) | C007700 |
| (SET B (CDR B)) (GO L))) | C007800 |
| (FUNCTION (FVTYPE SYMBOL) | C007900 |
| ((X SYMBOL)) | C008000 |
| (IF (NUMBP X) | C008100 |
| (IF (FIXP X) | C008200 |
| (IF (EQUALN X (WORDCR X OQ)) (QUOTE OCTAL) (QUOTE INTEGER)) | C008300 |
| (QUOTE REAL)) | C008400 |
| (MEMBER X (QUOTE (TRUE FALSE NIL))) | C008500 |
| (QUOTE BOOLEAN) (QUOTE SYMBOL))) | C008600 |
| (FUNCTION (LABELER SYMBOL) ((X SYMBOL)) (LIST (QUOTE LABEL) X)) | C008700 |
| (FUNCTION (GETN SYMBOL) | C008800 |
| ((L SYMBOL) (P SYMBOL)) | C008900 |
| (BLOCK NIL A (IF (NULL L) | C009000 |
| (RETURN L) (EQUALN (CAR L) P) (RETURN (CADR L))) | C009100 |
| (SET L (CDR L)) (GO A))) | C009200 |
| (FUNCTION (ITYPE SYMBOL) | C009300 |
| ((J SYMBOL)) | C009400 |
| (IF (EQN J (QUOTE NUMBER)) | C009500 |
| C.O (EQN J (QUOTE OCTAL)) | C009600 |
| CQ (EQN J (QUOTE INTEGER)) | C009700 |
| C (EQN J (QUOTE REAL)) | C009800 |
| C.O (EQN J (QUOTE FUNCTIONAL)) (QUOTE (FMTRAP . SYS) NIL))) | C009900 |
| (TCPI (FUNCTION (GENID2 SYMBOL) NIL (GENID)) | C010000 |
| (DECLARE (INST1 SYMBOL FLUID) | C010100 |
| (INST2 SYMBOL FLUID) (INST3 SYMBOL FLUID)) | C010200 |
| (FUNCTION (NEXLST SYMBOL) | C010300 |
| NIL (BLOCK ((X SYMBOL)) | C010400 |
| (RETURN (IF (CADDR LISTING) | C010500 |
| (IF (SET X (CAR LISTING)) | C010600 |
| (BLOCK NIL (SET LISTING (CDR LISTING)) (RETURN X)) | C010700 |
| (BLOCK NIL (SET LISTING (CDR LISTING)) | C010800 |
| (RETURN (NEXLST)))) NIL)))) | C010900 |
| (FUNCTION (REVLST SYMBOL) | C011000 |
| NIL (BLOCK ((INST1 SYMBOL) | C011100 |
| (INST2 SYMBOL) (INST3 SYMBOL) (LST SYMBOL)) | C011200 |
| (SET INST1 (CAR LISTING)) | C011300 |
| (SET INST2 (CADR LISTING)) | C011400 |
| (SET INST3 (CADDR LISTING)) | C011500 |
| (SET LISTING (CADDR LISTING)) | C011600 |
| A (OR (REVADR) (REVBUC) (REVLDA) (REVSTZ) (REVWRD) (REVZER)) | C011700 |
| (IF INST1 (SET LST (CONS INST1 LST))) | C011800 |
| (SET INST1 INST2) | C011900 |
| (SET INST2 INST3) | C012000 |
| (IF (SET INST3 (NEXLST)) (GO A)) | C012100 |
| (RETURN (NCCNC (NCCNC (REVERSE LISTING) | C012200 |
| (LIST INST2 INST1)) LST)))) | C012300 |
| (FUNCTION (REVTST BOOLEAN) | C012400 |
| ((A SYMBOL) (B SYMBOL)) | C012500 |
| (AND (SIM (QUOTE (STF . S.) A) | C012600 |

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(SIM (QUOTE (LDA . S.) B) (EQ (CDR A) (CDR B)))) 0012700
(FUNCTION (ACRTST BOOLEAN) 0012800
  ((L SYMBOL)) 0012900
  (CR (SIM (QUOTE (CR. ((NUMBER 1) S) (1 (L567.7 R S)))) L) 0013000
  (BLOCK NIL (SET VINV (NOT VINV))) 0013100
  (SIM (QUOTE (CR. ((NUMBER -1) S) (-1 (L567.7 R S)))) L))) 0013200
(FUNCTION (REVZER BOOLEAN) 0013300
  NIL (IF (SIM (QUOTE (XDR (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 (CR (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) (CADDR INST1))) 0017400
  (SET INST1 (LIST (CAR INST1) 0017500
  (LIST (QUOTE NUMBER) (CADR INST1)))))) (RETURN NIL)))) 0017600
(DECL (FUNCTION (FUNCTIO 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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|---|---------|
| (REMPRES 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 REMPRES) | 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) (GETLOC DL)) | 0022900 |
| (IF (AND (EQ PASS 2) DI) | 0023000 |
| (EVAL (LIST (QUOTE SET) DV (CAR DI)))) (RETURN DV)) | 0023100 |
| (EQ K (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 |

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|---|---------|
| (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 |
| (CCMERR (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)) | C037900 |
| (GO NEXT) | C038000 |
| VERIFY1 (IF (NOT (OR (EQN (CAR TEMP) (QUOTE FREE)) | C038100 |
| (EQN (CAR TEMP) (QUOTE FLUID)))) | C038200 |
| (COMER2 DV (QUOTE (BAD REDEF)))) | C038300 |
| VERIFY2 (SET DF (CAR TEMP)) | C038400 |
| (IF (NULL DT) | C038500 |
| (SET DT (CADR TEMP)) | C038600 |
| (NOT (EQ DT (CADR TEMP))) (COMER2 DV (QUOTE (TYPE MISMATCH)))) | C038700 |
| (IF (NULL DL) | C038800 |
| (SET DL (CADDR TEMP)) | C038900 |
| (NOT (EQN DL (CADDR TEMP))) | C039000 |
| (COMER2 DV (QUOTE (TRANS MODE MISMATCH)))) | C039100 |
| (ADREF TEMP) | C039200 |
| CNWARD (IF (AND (EQN X (QUOTE NORMAL)) (NULL (F2 X))) (GO C)) | C039300 |
| (SET H (CONS (LIST DV DT DF DL) H)) | C039400 |
| (IF (NOT (ATOM DV)) | C039500 |
| (SET FL (CONS DV FL)) (SET A (CONS (LIST DV DT DL) A))) | C039600 |
| C (SET L (CDR L)) | C039700 |
| (GO A) | C039800 |
| LEXCAL (SET DV Y) | C039900 |
| (SET DF (QUOTE LEXICAL)) | C040000 |
| LEXICAL (GENDTEL) | C040100 |
| (GO ONWARD) | C040200 |
| C (FL (REVERSE H)) | C040300 |
| (SET ALIST (NCCNC A ALIST)) | C040400 |
| (RETURN (IF FL (BLOCK NIL (ATTACH (CONS (QUOTE FLBIND) | C040500 |
| (SET FL (REVERSE FL)))) (BLCTTO) (RETURN FL)) NIL)))) | C040600 |
| (FUNCTION (GENDTEL SYMBOL) | C040700 |
| NIL (BLOCK NIL (SET DT (GETYPE DT)) (SET DL (GETLOC DL)))) | C040800 |
| (FUNCTION (GETYPE SYMBOL) ((X SYMBOL)) (IF X X STYPE)) | C040900 |
| (FUNCTION (GETLOC SYMBOL) ((X SYMBOL)) (IF X X (QUOTE VALUE))) | C041000 |
| (FUNCTION (ORDER SYMBOL) | C041100 |
| ((L SYMBOL)) | C041200 |
| (BLOCK ((M SYMBOL (QUOTE NORMAL))) | C041300 |
| (RETURN (BLOCK NIL (SET DT (SET DF (SET DL (SET DI NIL)))) | C041400 |
| (IF (SIM (QUOTE V.) L) | C041500 |
| (SET L (LIST L)) | C041600 |
| (NOT (LISTP L)) | C041700 |
| (RETURN (BLOCK NIL (COMER2 L (QUOTE (IMPROPER DECLARATION)))))) | C041800 |
| (IF (NOT (SIM (QUOTE V.) (SET DV (CAR L)))) | C041900 |
| (RETURN (BLOCK NIL (COMER2 DV (QUOTE (IMPROPER VARIABLE)))) | C042000 |
| (NULL (SET L (CDR L))) | C042100 |
| (RETURN (BLOCK NIL (TESLEX) (RETURN M))) | C042200 |
| (TYPEP (CAR L)) | C042300 |
| (SET DT (STANTP (CAR L))) | C042400 |
| (EQN (CAR L) (QUOTE MEANS)) | C042500 |
| (GO MEANS) | C042600 |
| (EQN (CAR L) (QUOTE ASSIGNED)) | C042700 |
| (GO ASSIGNED) | C042800 |
| (EQN (CAR L) (QUOTE SWITCH)) (GO SWITCH) (GO TRY2)) | C042900 |
| (IF (NULL (SET L (CDR L))) (RETURN M)) | C043000 |
| TRY2 (IF (NOT (MEMBER (CAR L) | C043100 |
| (QUOTE (FLUID FREE LEXICAL CWN)))) | C043200 |
| (GO TRY3) (EQN (SET DF (CAR L)) (QUOTE CWN)) (SET M DF)) | C043300 |
| TRYA (TESLEX) | C043400 |
| (IF (NULL (SET L (CDR L))) (RETURN M)) | C043500 |
| TRY3 (TESLEX) | C043600 |
| (IF (NOT (TMCDEP (CAR L))) (GO TRY4)) | C043700 |
| (SET DL (CAR L)) | C043800 |
| LESS1 (IF (NULL (SET L (CDR L))) (RETURN M)) | C043900 |
| TRY4 (IF (NOT (EQ (LENGTH (SET DI L)) 1)) | C044000 |
| (COMER2 (CAR L) (QUOTE (IGNORED IN DEC)))) | C044100 |

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|--|---------|
| (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 TERMS (CONS LISTING TERMS))) | 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 |

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|---|---------|
| (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 (CCMTERMS SYMBOL) | 0053000 |
| NIL (BLOCK ((W SYMBOL) (X SYMBOL)) | 0053100 |
| (IF (NULL (SET W TERMS)) | 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 TERMS) | 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 |

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|--|---------|
| (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 |
| (BLOTTC) | 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 (MACRO INSTRUCTIONS ROUTINE)))) | 0061800 |
| (RETURN (COMER2 DV (QUOTE (ILLEGALLY USED)))) | 0061900 |
| (EQN (CAR D) (QUOTE FUNCTION)) (GO FUNC)) | 0062000 |
| (SET VCLASS (QUOTE LCC)) | 0062100 |
| (SET VADDR DV) | 0062200 |
| (SET VIND (OR (EQN (CADDR D) (QUOTE LOC)) | 0062300 |
| (NOT (MEMBER (CAR D) (QUOTE (LEXICAL OWN)))))) | 0062400 |
| (GO L) | 0062500 |
| FUNC (ATTACH (LIST (QUOTE LDA) DV (QUOTE (2Q1 R L4567.7)))) | 0062600 |
| (BLOTCH (SET VREG (QUOTE AC))) | 0062700 |
| (SET VCLASS (QUOTE ACTIVE)) | 0062800 |
| L (RETURN (SET VTYPE (FTYPER (CADR D)))))) | 0062900 |
| (FUNCTION (CCMDATUM SYMBOL) | 0063000 |

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|---|---------|
| 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 LOC)) | 0064100 |
| (SET VTYPE (CADADR D)) (SET VREG (QUOTE AC)) (SET VADDR D)) | 0064200 |
| (FUNCTION (MAKIND SYMBOL) | 0064300 |
| ((D SYMBOL)) | 0064400 |
| (IF (OR (EQN (CADR D) (QUOTE LOC)) | 0064500 |
| (MEMBER (CAR D) (QUOTE (FREE FLUID)))) (QUOTE I) C)) | 0064600 |
| (FUNCTION (MAKECARCDR SYMBOL) | 0064700 |
| ((J SYMBOL)) | 0064800 |
| (IF (NULL (CDR J)) | 0064900 |
| (IF (CCMLCK 2) NIL (CADR EXP)) | 0065000 |
| (LIST (IF (EQN (CAR J) (QUOTE A)) (QUOTE CAR) (QUOTE CDR)) | 0065100 |
| (MAKECARCDR (CDR J)))) | 0065200 |
| (MACRO ((ORG . LISP) SYMBOL) | 0065300 |
| ((X SYMBOL)) | 0065400 |
| (IF (NOT (SIM (QUOTE (V. (OR. N. NIL) S.)) X)) | 0065500 |
| (BLOCK NIL (COMERR (QUOTE (BAD CRG)))) | 0065600 |
| (BLOCK NIL (SET FORG (CONS (QUOTE CRG) | 0065700 |
| (IF (CADR X) (LIST (CADR X) NIL))) (RETURN (CADR X)))))) | 0065800 |
| (PRED (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 (IFPRED EXP) TERGO (IFEXPT EXP) (IFEXP EXP)))) | 0066400 |
| (FUNCTION (IFPRED 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 (CDR 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 |

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| (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 |

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| (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 TGO)) | 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 TGO) | 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 DGC (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 |

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| (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 VIYPE (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) TGC 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 |

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| (SET G1 (LABELER (GENID))) | 0088300 |
| (IF X (GC G)) | 0088400 |
| (SET G2 (LABELER (GENID))) | 0088500 |
| (ATTACH (LIST (QUOTE BSX) G1 4 G2)) | 0088600 |
| G (ATTACH (CADR G1)) | 0088700 |
| (ATTACH (QUOTE (END))) | 0088800 |
| (ATTACH (QUOTE (BUC 4))) | 0088900 |
| (IF (NCT 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 GCLIST (CCNS (CONS (QUOTE DECR) REMOTES) GCLIST)) | 0089900 |
| P (SET (CAR X) G2) | 0090000 |
| (GO Q) | 0090100 |
| H (SET (CAR (CDAR L)) Y) | 0090200 |
| (SET GCLIST (CCNS (CONS (QUOTE DECR) (CDAR L)) GOLIST)) | 0090300 |
| G (SET L (CDR L)) (GC C)) | 0090400 |
| (FUNCTION (LASTBRANCH SYMBOL) | 0090500 |
| NIL (AND (NCT (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 (NCT (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 (NCT 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) (EQXOR (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 |

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| NIL (COMREL (QUOTE ((FGO (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 (EQ VCLASS (QUOTE DATUM)) (NOT (NUMBP VADDR))) | 0095800 |
| (MOVACTIVE VTYPE (QUOTE AC) NIL)) | 0095900 |
| (SET VTYPE (QUOTE CCTL)) (RETURN (CLUNK))) | 0096000 |
| (FUNCTION (EXOR SYMBOL) | 0096100 |
| ((L SYMBOL)) | 0096200 |
| (BLOCK ((INSTRUCTION SYMBOL)) | 0096300 |
| (SET INSTRUCTION (QUOTE XOR)) | 0096400 |
| (INHERIT (CAR (SET L (WRDHLP (LIST (COMGLITCH (CAR L)) | 0096500 |
| (COMGLITCH (CADR L)) NIL)))) | 0096600 |
| (LSTLST (CADR L)) | 0096700 |
| (MOVACTIVE (QUOTE CCTL) (QUOTE AC) NIL) | 0096800 |
| (BRANCHER (QUOTE ((FGO (BNZP) (BCZP)))))) | 0096900 |
| (SET VCLASS (QUOTE PREDICATE))) | 0097000 |
| (FUNCTION (EQBXE SYMBOL) | 0097100 |
| ((A SYMBOL) (B SYMBOL)) | 0097200 |
| (BLOCK NIL (RESTORE A) | 0097300 |
| (RESTORE B) | 0097400 |
| (MOVACTIVE (QUOTE SYMBOL) (QUOTE AC) NIL) | 0097500 |
| (BRANCHER (SUBST (GVADDR A) | 0097600 |
| (QUOTE Z) (QUOTE ((TGO (BXE AC (ID Z))) (FGO (BUC)))))) | 0097700 |
| (SET VCLASS (QUOTE PREDICATE))) | 0097800 |
| (FUNCTION (EKNIL 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 (EQSUB SYMBOL) | 0098400 |
| ((L SYMBOL)) | 0098500 |
| (BLOCK ((X SYMBOL)) | 0098600 |
| (SET X (CDDDDR (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)) 001574) | 0100800 |

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| (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)))))) | C107200 |
| (FUNCTION (CCMBLOCK SYMBOL) | C107300 |
| ((L SYMBOL)) | C107400 |
| (BLOCK ((X SYMBOL) (XGO SYMBOL)) | C107500 |
| A (IF (NULL L) | C107600 |
| (GO B) | C107700 |
| (NOT (ATOM (SET X (CAR L)))) | C107800 |
| (BLOCK ((XGO SYMBOL (IF (SIM (QUOTE (S. (GO ID.) . S.)) L) | C107900 |
| (CADADR L) NIL))) (COMSTAT X)) | C108000 |
| (IDP X) | C108100 |
| (ATTACHLAB X) (NULL X) NIL (CCMERZ X (QUOTE (NOT A LABEL)))) | C108200 |
| (SET L (CDR L)) | C108300 |
| (GO A) | C108400 |
| B (IF (AND (NOT SCLASS) (NOT (LASTBRANCH))) | C108500 |
| (COMSTAT (LIST (QUOTE RETURN) (ITYPE XTYPE)))))) | C108600 |
| (MACRO ((ORDER . LISP) SYMBOL) | C108700 |
| ((EXP SYMBOL)) | C108800 |
| (IF (COMLCK 2) | C108900 |
| NIL (ATOM (CADR EXP)) | C109000 |
| (CADR EXP) | C109100 |
| (BLOCK ((X SYMBOL) (Y SYMBOL)) | C109200 |
| (SET X (MAPCAR (CADR EXP) | C109300 |
| (FUNARG SYMBOL ((J SYMBOL)) | C109400 |
| (LIST (GENID) (QUOTE ASSIGNED) J)))) | C109500 |
| (SET Y (CONS (CADR EXP) | C109600 |
| (MAPCAR X (FUNARG SYMBOL ((J SYMBOL)) (CAR J)))) | C109700 |
| (RETURN (LIST (QUOTE BLOCK) | C109800 |
| (IF SCLASS Y (LIST (QUOTE RETURN) Y)))))) | C109900 |
| (CASE (MACRO ((CASE . LISP) SYMBOL) | C110000 |
| ((X SYMBOL)) | C110100 |
| (IF (LS (LENGTH X) 3) | C110200 |
| (BLOCK NIL (COMERR (QUOTE (BAD CASE))) (RETURN (ITYPE XTYPE))) | C110300 |
| (BLOCK (LABELS) | C110400 |
| (RETURN (BLOCK ((M (MAPCAR (CDDR X) | C110500 |
| (FUNARG SYMBOL ((J SYMBOL)) | C110600 |
| (IF (SIM (QUOTE (GO ID.)) J) | C110700 |
| (BLOCK NIL (SET LABELS (CONS (CADR J) LABELS))) | C110800 |
| (BLOCK NIL (SET LABELS (CONS (GENID) LABELS))) | C110900 |
| (RETURN (LIST (QUOTE BLOCK) | C111000 |
| NIL (CAR LABELS) | C111100 |
| (IF SCLASS J (LIST (QUOTE RETURN) J)))))) | C111200 |
| (RETURN (APPEND (QUOTE (BLOCK NIL)) | C111300 |
| (CONS (CONS (QUOTE CASEGO) | C111400 |
| (CADR X) (REVERSE LABELS) M)))))) | C111500 |
| (INSTRUCTIONS ((CASEGC . LISP) NVALUE) | C111600 |
| NIL (BLOCK ((L (LIST (LIST (QUOTE LABEL) (GENID)) -1))) | C111700 |
| (COMVAL (CADR EXP) (QUOTE INTEGER) NIL (QUOTE AC)) | C111800 |
| (LSTLST (SUBST L (QUOTE L) | C111900 |
| (SUBST (LENGTH (CDDR EXP)) | C112000 |
| (QUOTE N) | C112100 |
| (QUOTE ((BUC L A) | C112200 |
| (BOP L) (SUB N (L567.7 R S)) (BOZ L) (BOM L)))))) | C112300 |
| (MAP (CDDR EXP) | C112400 |
| (FUNARG SYMBOL ((J SYMBOL)) | C112500 |
| (BLOCK NIL (ATTACH (LIST (QUOTE BUC) (LABELER (CAR J)))) | C112600 |
| (IF (NOT (MEMBER (CAR J) LABELS)) | C112700 |
| (SET GCLIST (CONS (CONS (QUOTE GO) LISTING) GCLIST)))))) | C112800 |
| (ATTACH (CADAR L)))))) | C112900 |
| (ZAPZAP (MACRO ((LIST . LISP) SYMBOL) | C113000 |
| ((EXP SYMBOL)) | C113100 |
| (IF (GR (LENGTH EXP) 2) | C113200 |
| (LISTX (CDR EXP)) | C113300 |
| (CDR EXP) (CONS (QUOTE (LIST1 . SYS)) (CDR EXP)) NIL)) | C113400 |

| | |
|---|---------|
| (MACRO ((CONS . LISP) SYMBOL)) | C113500 |
| ((EXP SYMBOL)) | C113600 |
| (IF (LS (LENGTH EXP) 3) | C113700 |
| (BLOCK NIL (COMLCK 3)) (LISTX (CDR EXP)))) | C113800 |
| (INSTRUCTIONS ((SHIFT . LISP) NOVALUE) NIL (SHIFTER (QUOTE CYC))) | C113900 |
| (INSTRUCTIONS ((SCALE . LISP) NOVALUE) NIL (SHIFTER (QUOTE SFA))) | C114000 |
| (INSTRUCTIONS ((CYCLE . LISP) NOVALUE) NIL (SHIFTER (QUOTE CYA))) | C114100 |
| (FUNCTION (LISTX SYMBOL) | C114200 |
| ((X SYMBOL)) | C114300 |
| (BLOCK ((L SYMBOL)) | C114400 |
| (SET L (LENGTH X)) | C114500 |
| (RETURN (IF (GR L 4) | C114600 |
| (LIST (QUOTE (CONS4 . SYS)) | C114700 |
| (CAR X) (CADR X) (CADDR X) (LISTX (CADDR X))) | C114800 |
| (CONS (CDR (FIND L (CDR (FIND (CAR EXP) | C114900 |
| (QUOTE ((LIST (2 LIST2 . SYS) | C115000 |
| (3 LIST3 . SYS) (4 LIST4 . SYS)) | C115100 |
| (CONS (2 CONS2 . SYS) | C115200 |
| (3 CONS3 . SYS) (4 CONS4 . SYS))))))))) X)))) | C115300 |
| (FUNCTION (SHIFTER SYMBOL) | C115400 |
| ((C SYMBOL)) | C115500 |
| (IF (COMLCK 3) | C115600 |
| NIL (BLOCK ((X SYMBOL)) | C115700 |
| (COMEXPI (CADR EXP)) | C115800 |
| (SET VINV (IF (MEMBER (QUOTE MINUS) VINV) NIL (QUOTE (MINUS)))) | C115900 |
| (IF (EQN VCLASS (QUOTE DATUM)) | C116000 |
| (BLOCK NIL (VSET (COMDAT (CLUNK))) | C116100 |
| (SET X (CONVDTM VTYPE VADDR (QUOTE INTEGER))) G01583) | C116200 |
| (MOVPS (QUOTE INTEGER) NIL)) | C116300 |
| (COMTYP (QUOTE OCTAL) (CADR EXP)) | C116400 |
| (MOVACTIVE (QUOTE OCTAL) (QUOTE AC) NIL) | C116500 |
| (IF (EQN C (QUOTE CYC)) (ATTACH (QUOTE (STZ B.)))) | C116600 |
| (ATTACH (CONS C (IF X (LIST X (QUOTE R)) (QUOTE (POP.)))))) | C116700 |
| (FUNCTION (MACRO ((FUNCTION . LISP) SYMBOL) ((X SYMBOL) (COMPILER X)) | C116800 |
| (INSTRUCTIONS ((FUNARG . LISP) NOVALUE) | C116900 |
| NIL (IF (NOT (AND (SIM (QUOTE (V. A. (GR. L. NIL) S.)) EXP) | C117000 |
| (OR (VTYPEP (CADR EXP)) (NOT (CADR EXP)))) | C117100 |
| (COMER2 EXP (QUOTE (NOT LEGAL FUNARG))) | C117200 |
| (OR SCLASS PCLASS) | C117300 |
| (BLOCK NIL (SET VCLASS (QUOTE DATUM)) | C117400 |
| (SET VTYPE (QUOTE BOOLEAN)) (SET VADDR (QUOTE TRUE))) | C117500 |
| (BLOCK ((APLIST SYMBOL (APPEND ALIST APLIST)) | C117600 |
| (FEXP SYMBOL (LIST (QUOTE FUNCTION) | C117700 |
| (LIST (GENID) (IF (CADR EXP) (CADR EXP) STYPE)) | C117800 |
| (CADR EXP) (CADDR EXP))) | C117900 |
| (RETURN (BLOCK ((IR SYMBOL) (C SYMBOL)) | C118000 |
| (BLOCK ((IRLIST SYMBOL)) | C118100 |
| (SET C (FUNCTION FEXP)) (SET IR IRLIST) G01584) | C118200 |
| (IF ERRFLG (RETURN NIL) | C118300 |
| (NCT IR) (RETURN (COMEXP (COMPILER FEXP)))) | C118400 |
| (BLOCK ((IRLIST SYMBOL)) | C118500 |
| (ATTACH (LIST (QUOTE LDA) | C118600 |
| (FUNCTION (BLOCK NIL (SET (CAR (CADDR FEXP)) | C118700 |
| (LIST (QUOTE BLOCK) | C118800 |
| NIL (QUOTE (CODE (LDX (FMCALL . SYS) L 7))) | C118900 |
| (LIST (QUOTE BLOCK) | C119000 |
| (MAPCAR IR (FUNCTION (G01586 SYMBOL) | C119100 |
| ((J SYMBOL)) | C119200 |
| (LIST (CAR J) (CADR J) (QUOTE LOC) (CAR J))) | C119300 |
| (LIST (QUOTE RETURN) (CADDR FEXP))) | C119400 |
| (RETURN FEXP)) (QUOTE (2Q1 R L4567.7))) G01585) | C119500 |
| (ATTACH (QUOTE (STX A. L 8))) | C119600 |
| (INHERIT (QUOTE (ACTIVE FUNCTIONAL AC NIL NIL NIL (AC) NIL))) | C119700 |

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L (IF (NULL IR)
  (RETURN NIL)
  (NOT (OR (MEMBER (SET C (CAR IR)) ALIST) (MEMBER C IRLIST)))
  (SET IRLIST (CONS C IRLIST))) (SET IR (CDR IR)) (GO L))))))
(TRY (MACRO ((TRY . LISP) SYMBOL)
  ((EXP SYMBOL))
  (IF (COMLCK 4)
    NIL (BLOCK ((G1 SYMBCL) (G2 SYMBCL))
      (RETURN (APPEND (SUBST (SET G1 (GENID))
        (QUOTE X)
        (QUOTE (BLOCK ((TRYPT . SYS)
          OCTAL FLUID (CODE (LDA ((LABEL X) (MINUS ORG.))
            (L567.7 R))))))))))
      (LIST (CADDR EXP)
        (LIST (QUOTE GO) (SET G2 (GENID)))
        G1 (CONS (QUOTE SET)
          (LIST (CADR EXP) (QUOTE (C2S. (CODE))))))
        (LIST (QUOTE GO) (CADDR EXP) G2))))))
(RELATE (MACRO ((RELATION . LISP) SYMBCL)
  ((EXP SYMBOL))
  (BLOCK ((L SYMBCL (LENGTH EXP)))
    (RETURN (IF (OR (LS L 4) (NOT (EQ (REMAINDER L 2) 0)))
      (COMLCK 0) (LIST (QUOTE AND) (REL. (CADR EXP) (CDDR EXP)))))))
(FUNCTION (REL. SYMBCL)
  ((A SYMBCL) (R SYMBCL))
  (IF (NULL R)
    (QUOTE TRUE)
    (AND (OKREL. (CADR R)) (OR (NULL (CDDR R)) (OKREL. (CADDR R))))
    (RELCON A (CADR R) R)
    (BLOCK ((G SYMBCL (GENID)))
      (RETURN (LIST (QUOTE BLOCK)
        (LIST (LIST G (QUOTE ASSIGNED) (CADR R)))
        (LIST (QUOTE RETURN) (RELCON A G R))))))
(FUNCTION (RELCON SYMBCL)
  ((A SYMBCL) (B SYMBCL) (C SYMBCL))
  (LIST (QUOTE AND) (LIST (CAR C) A B) (REL. B (CDDR C))))
(FUNCTION (OKREL. SYMBCL)
  ((X SYMBCL)) (SIM (QUOTE (OR. A. V. (QUOTE S.))) X)))
****END OF FILE DETECTED

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0119800
0119900
0120000
0120100
0120200
0120300
0120400
0120500
0120600
0120700
0120800
0120900
0121000
0121100
0121200
0121300
0121400
0121500
0121600
0121700
0121800
0121900
0122000
0122100
0122200
0122300
0122400
0122500
0122600
0122700
0122800
0122900
0123000
0123100
0123200
0123300
0123400
0123500

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|---|---------|
| (SECTION (SECTION (COMPIL SUPV SYS LISP) SYMBOL)) | 0000100 |
| (VHELP (DECLARE (INTLST SYMBOL FLUID) | 0000200 |
| (REALST SYMBOL FLUID) | 0000300 |
| (SYMLST SYMBOL 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 SYMBOL) | 0002700 |
| (SET A (UNION VBLCT (GVBLCT B))) (VSET B) (SET VBLCT A))) | 0002800 |
| (FUNCTION (LSTLST SYMBOL) | 0002900 |
| ((LST SYMBOL)) (IF LST (SET LISTING (NCONC LST LISTING)) NIL)) | 0003000 |
| (FUNCTION (CLUNK SYMBOL) NIL (NCONC (VLIST) (LIST LISTING))) | 0003100 |
| (FUNCTION (RESTORE SYMBOL) | 0003200 |
| ((X SYMBOL)) (BLOCK NIL (INHERIT X) (RETURN (LSTLST (LAST X)))))) | 0003300 |
| (COMPILER (FUNCTION (CCMTP 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 (BLOTTC) | 0004500 |
| (ATTACH (LIST (QUOTE CALL) | 0004600 |
| (CONS DV (QUOTE SYS)) (GETDEC DV (QUOTE SYS)))))) | 0004700 |
| (FUNCTION (CCMARG 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 SYMBOL) | 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)) GO1595) (GO TAG))) | 0005900 |
| (FUNCTION (CCMTP SYMBOL) | 0006000 |
| ((XTYPE SYMBOL) (EXP SYMBOL)) | 0006100 |
| (BLOCK ((SCLASS SYMBOL) (PCCLASS SYMBOL) (TERGO SYMBOL)) | 0006200 |
| (COMEXP EXP) | 0006300 |

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|---|---------|
| (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 OCTINT)) | C006900 |
| XYZ (MOVACTIVE XTYPE (QUOTE AC) NIL) | C007000 |
| (RETURN NIL) | C007100 |
| OCTINT (SET VTYPE (QUOTE INTEGER)) | 0007200 |
| (RETURN NIL) | C007300 |
| DAT (INHERIT (COMDAT (NCONC (VLIST) (QUOTE (NIL))))) | C007400 |
| (SET VADDR (CNVDATM VTYPE VADDR XTYPE)) (SET VTYPE XTYPE)) | C007500 |
| (FUNCTION (COMDAT SYMBOL) | C007600 |
| ((FORM SYMBOL)) | C007700 |
| (BLOCK ((VCLASS SYMBOL) | C007800 |
| (VTYPE SYMBOL) | C007900 |
| (VBYTE SYMBOL) | C008000 |
| (VIND SYMBOL) | C008100 |
| (VBLOT SYMBOL) | C008200 |
| (VREG SYMBOL) (VINV SYMBOL) (VADDR SYMBOL) (LISTING SYMBOL)) | C008300 |
| (RESTORE FORM) | 0008400 |
| (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 (COMEXP1 SYMBOL) | C009000 |
| ((EXP SYMBOL)) | 0009100 |
| (BLOCK ((PCLASS SYMBOL) | C009200 |
| (SCLASS SYMBOL) (TERGO SYMBOL) (XTYPE SYMBOL)) | C009300 |
| (RETURN (COMEXP EXP)))) | C009400 |
| (FUNCTION (COMLCK SYMBOL) | 0009500 |
| ((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 (COMCAR SYMBOL) | C010900 |
| ((B SYMBOL)) | 0011000 |
| (BLOCK NIL (IF (COMLCK 2) (RETURN NIL)) | C011100 |
| (COMEXP1 (CADR EXP)) | 0011200 |
| (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)))) | 0011900 |
| (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 |

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|---|---------|
| (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 (INFERIT (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 SYMBCL) | 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)) (GC 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 |

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|---|---------|
| (EQN TYPE (QUOTE SYMBOL)) | 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 COTAL))) | CO19400 |
| (SET INTLST (CONS FORM INTLST)) | CO19500 |
| (COMER2 TYPE (QUOTE (TYPE ARG TO ARITH))) | CO19600 |
| (IF (CAR (SET LST (CDR LST))) | CO19700 |
| (GO PARC) | CO19800 |
| (EQ DATA DATUM) | CO19900 |
| (GO NC) | 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 (COMPT INTLST IALGFCN IMOVE IMOVEP IMOVPEL)) | CO20600 |
| (IF (NCT (CAR REALST)) | CO20700 |
| (IF INTLST (GC INTUP) (GO NOUP)) | CO20800 |
| INTLST (BLOCK ((VCLASS SYMBOL) | CO20900 |
| (VTYPE SYMBOL) | CO21000 |
| (VADDR SYMBOL) | CO21100 |
| (VREG SYMBOL) | CO21200 |
| (VIND SYMBOL) | CO21300 |
| (VBYTE SYMBOL) (VBLOT SYMBOL) (VINV SYMBOL) (LISTING SYMBOL)) | 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 (COMPT 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 |
| (COMPLP (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) SYMBOL) | CO23500 |
| ((X SYMBOL)) | 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 SYMBOL) (EL SYMBOL)) | 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 COTAL) (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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(MOVMACRO (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 (CONS (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 (CONS (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
  (MOVPPDS VTYPE NIL)                                    0028600
  (INHERIT FORM)                                         0028700
  (SET PARITY VINV)                                      0028800
  AT (SET VINV NIL)                                      0028900
  (LSTLST (LAST FORM))                                   0029000
  (MOVMACRO (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
  (MOVPPDS 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))) (MOVPPDS 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 |
| (MOVACTIVE VTYPE (QUOTE AC) NIL)) | C032300 |
| (SET PARITY (IF (EQ (MEMBER (QUOTE MINUS) VINV) | C032400 |
| (MEMBER (QUOTE MINUS) (GVINV (CAR LOCLST)))) | C032500 |
| NIL (QUOTE (MINUS)))) | C032600 |
| (INHERIT (CAR LOCLST)) | C032700 |
| (ATTACH1 (CCNS INST (MCVARG (IF (EQN TYPE (QUOTE INTEGER)) | C032800 |
| VTYPE TYPE) (QUOTE AC) NIL (QUOTE LDA)))) | C032900 |
| (INHERIT (QUOTE (ACTIVE NIL NIL NIL NIL NIL (AC B) NIL))) | C033000 |
| (SET VINV PARITY) | C033100 |
| (SET VREG XREG) | C033200 |
| (SET VTYPE TYPE) (IF (SET LOCLST (CDR LOCLST)) (GO LOOP))) | C033300 |
| (FUNCTION (MPIALG SYMBOL) | C033400 |
| NIL (MPYALG (QUOTE INTEGER) (QUOTE B) (QUOTE MUL))) | C033500 |
| (FUNCTION (MPRALG SYMBOL) | C033600 |
| NIL (MPYALG (QUOTE REAL) (QUOTE AC) (QUOTE FMP))) | C033700 |
| (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 |
| (MOVPPDS 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 |
| (MOVACTIVE (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 |
| (VADDER 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 |

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|---|---------|
| ((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) (BLOT 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 BLOT 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)) J) | 0043300 |
| (SET VADDR (ITYPE VTYPE))) (INFERIT (COMDAT (CLUNK)))) | 0043400 |
| (MACRO ((DIFFERENCE . LISP) SYMBOL) | 0043500 |
| ((EXP SYMBOL)) | 0043600 |
| (IF (COMLCK 3) | 0043700 |
| C (LIST (QUOTE PLUS) | 0043800 |
| (CADR EXP) (LIST (QUOTE MINUS) (CADDR EXP)))) | 0043900 |
| (INSTRUCTIONS ((MINUS . LISP) NOVALUE) | 0044000 |
| NIL (COMINV (QUOTE MINUS) (QUOTE RECIP) MINUS1)) | 0044100 |

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|---|---------|
| (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 |

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| XYZ (MCVACTIVE (QUOTE INTEGER) (QUOTE AC) NIL) | 0050500 |
| (INHERIT (QUOTE (LOC OCTAL AC 0 NIL NIL NIL NIL))) | 0050600 |
| (RETURN NIL) | 0050700 |
| LOC (SET VTYPE (QUOTE OCTAL)) | 0050800 |
| (SET VIND TRUE) | 0050900 |
| (SET VBYTE NIL) | 0051000 |
| (RETURN NIL) | 0051100 |
| EAT (INHERIT (COMDAT (VLIST))) | 0051200 |
| (SET VADDR (CNVDATM VTYPE VADDR (QUOTE INTEGER))) | 0051300 |
| (SET VCLASS (QUOTE LOC)) (SET VTYPE (QUOTE OCTAL))) | 0051400 |
| (INSTRUCTIONS ((CHEAT . LISP) NOVALUE) | 0051500 |
| NIL (IF (CR (COMLCK 4) | 0051600 |
| (FTYPEP (CADR EXP)) (FTYPEP (CADDR EXP))) | 0051700 |
| NIL (BLOCK ((X SYMBOL EXP) (EXP SYMBOL (CDDR EXP))) | 0051800 |
| (RETURN (CHIZLE (CADR X) (CADDR X)))))) | 0051900 |
| (INSTRUCTIONS ((ERIVE . LISP) NOVALUE) | 0052000 |
| NIL (IF (CR (COMLCK 3) (FTYPEP (CADR EXP))) | 0052100 |
| NIL (COMTYP (CADR EXP) (CADDR EXP))) | 0052200 |
| (INSTRUCTIONS ((CREENTRY . LISP) NOVALUE) | 0052300 |
| NIL (IF (COMLCK 2) | 0052400 |
| NIL (BLOCK NIL (INHERIT (QUOTE (LOC OCTAL NIL NIL NIL NIL NIL NIL NIL NIL) | 0052500 |
|)) (SET VADDR (CONS (QUOTE ENTRY) (CDDR EXP)))))) | 0052600 |
| (INSTRUCTIONS ((ENTRY . LISP) NOVALUE) | 0052700 |
| NIL (IF (COMLCK 2) | 0052800 |
| NIL (BLOCK NIL (ATTACH (CONS (QUOTE LDA) | 0052900 |
| (LIST EXP (QUOTE (L567.7 R)))))) | 0053000 |
| (INHERIT (QUOTE (ACTIVE OCTAL AC NIL NIL NIL NIL NIL)))))) | 0053100 |
| (INSTRUCTIONS ((S20. . LISP) NOVALUE) | 0053200 |
| NIL (CHIZLE (QUOTE SYMBOL) (QUOTE OCTAL))) | 0053300 |
| (INSTRUCTIONS ((R20. . LISP) NOVALUE) | 0053400 |
| NIL (CHIZLE (QUOTE REAL) (QUOTE OCTAL))) | 0053500 |
| (INSTRUCTIONS ((B20. . LISP) NOVALUE) | 0053600 |
| NIL (CHIZLE (QUOTE BOOLEAN) (QUOTE OCTAL))) | 0053700 |
| (INSTRUCTIONS ((I20. . LISP) NOVALUE) | 0053800 |
| NIL (CHIZLE (QUOTE INTEGER) (QUOTE OCTAL))) | 0053900 |
| (INSTRUCTIONS ((F20. . LISP) NOVALUE) | 0054000 |
| NIL (CHIZLE (QUOTE FUNCTIONAL) (QUOTE OCTAL))) | 0054100 |
| (INSTRUCTIONS ((C2S. . LISP) NOVALUE) | 0054200 |
| NIL (CHIZLE (QUOTE OCTAL) (QUOTE SYMBOL))) | 0054300 |
| (INSTRUCTIONS ((C2R. . LISP) NOVALUE) | 0054400 |
| NIL (CHIZLE (QUOTE OCTAL) (QUOTE REAL))) | 0054500 |
| (INSTRUCTIONS ((C2B. . LISP) NOVALUE) | 0054600 |
| NIL (CHIZLE (QUOTE OCTAL) (QUOTE BOOLEAN))) | 0054700 |
| (INSTRUCTIONS ((C2I. . LISP) NOVALUE) | 0054800 |
| NIL (CHIZLE (QUOTE OCTAL) (QUOTE INTEGER))) | 0054900 |
| (INSTRUCTIONS ((C2F. . LISP) NOVALUE) | 0055000 |
| NIL (CHIZLE (QUOTE OCTAL) (QUOTE FUNCTIONAL))) | 0055100 |
| (WORDS (MACRO ((INVERT . LISP) SYMBOL) | 0055200 |
| ((EXP SYMBOL)) | 0055300 |
| (IF (COMLCK 2) | 0055400 |
| NIL (LIST (QUOTE WORDXOR) 7777777777777777Q (CADR EXP))) | 0055500 |
| (INSTRUCTIONS ((WORDOR . LISP) NOVALUE) | 0055600 |
| NIL (COMWRD OQ (QUOTE ORA) | 0055700 |
| (FUNARG SYMBOL ((A SYMBOL) (B SYMBOL)) (WORDOR A B))) | 0055800 |
| (INSTRUCTIONS ((WORDAND . LISP) NOVALUE) | 0055900 |
| NIL (COMWRD 7777777777777777Q (QUOTE ANA) | 0056000 |
| (FUNARG SYMBOL ((A SYMBOL) (B SYMBOL)) (WORDAND A B))) | 0056100 |
| (INSTRUCTIONS ((WORDXOR . LISP) NOVALUE) | 0056200 |
| NIL (COMWRD OQ (QUOTE XCR) | 0056300 |
| (FUNARG SYMBOL ((A SYMBOL) (B SYMBOL)) (WORDXOR A B))) | 0056400 |
| (FUNCTION (WRDHLP SYMBOL) | 0056500 |
| ((LST SYMBOL)) | 0056600 |
| (COMOPT LST (FUNCTION (GO1600 SYMBOL) | 0056700 |

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| NIL (BLOCK NIL (IF VCLASS (GO TAG)) | 0056800 |
| (INHERIT (CAR LOCLST)) | 0056900 |
| (SET LOCLST (CDR LOCLST)) | 0057000 |
| TAG (MOVACTIVE (QUOTE OCTAL) (QUOTE AC) NIL) | 0057100 |
| LOP (INHERIT (CAR LOCLST)) | 0057200 |
| (ATTACH1 (CONS INSTRUCTION (MOVARG (QUOTE OCTAL) | 0057300 |
| (QUOTE AC) NIL (QUOTE LDA)))) | 0057400 |
| (IF (SET LOCLST (CDR LOCLST)) (GO 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 (MOVPS (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) (GO DAT)) | 0060000 |
| (SET LST (CONS (CLUNK) LST)) | 0060100 |
| (GO G01603) | 0060200 |
| DAT (SET DATA (LOGFCN DATA VADDR)) | 0060300 |
| (SET DATLST (NCONC DATLST LISTING)) G01603) | 0060400 |
| (GO LOOP) | 0060500 |
| BEG (LSTLST DATLST) | 0060600 |
| (IF (NCT (EQUALN DATA IDATA)) | 0060700 |
| (SET LST (CONS (LIST (QUOTE DATUM) | 0060800 |
| (QUOTE OCTAL) NIL DATA NIL NIL NIL NIL NIL) LST))) | 0060900 |
| (SET LST (WRDHLP LST)) | 0061000 |
| (IF LST (GO FIN)) | 0061100 |
| NOARG (INHERIT (LIST (QUOTE DATUM) | 0061200 |
| (QUOTE OCTAL) NIL IDATA NIL NIL NIL NIL)) | 0061300 |
| (RETURN NIL) FIN (INHERIT (CAR LST)) (LSTLST (CADR LST)))) | 0061400 |
| (ASSIGN (FUNCTION (SET. SYMBOL) | 0061500 |
| ((X SYMBOL)) | 0061600 |
| (MOVLOC (GVTYPE X) (GVADDR X) (GVREG X) (GVIND X) (GVBYTE X))) | 0061700 |
| (FUNCTION (ECTYPE 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 (FLLW BYTE) | 0062700 |
| (AND (EQN (QUOTE SYMBOL) TYP) | 0062800 |
| (GR (SET X (CADR (WHATBITS BYTE))) 17) | 0062900 |
| (EQ (REMAINDER X 6) 0)))))) | 0063000 |

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| (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 00 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 |
| CK (SET TYP (VLIST)) | 0065900 |
| (IF (EQN VADDR (QUOTE POP.)) (SET VADDR (QUOTE TOP.))) | 0066000 |
| (LSTLST (LAST X)) | 0066100 |
| (SET. X) | 0066200 |
| (INHERIT TYP) | 0066300 |
| (IF (AND (EQN VCLASS (QUOTE LOC)) (EQN VADDR (QUOTE POP.))) | 0066400 |
| (MOVACTIVE VTYPE (QUOTE AC) NIL)) | 0066500 |
| (RETURN NIL) | 0066600 |
| ETYP (COMTYP TYP (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 ((LCCSET . 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 |

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| (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 LCC VAR 1 ARG TO LOCSET))) | 0070300 |
| B (SET LISTING (CONS (LIST (QUOTE STF) VADDR) LST)) | 0070400 |
| (INHERIT (QUOTE (LCC 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) TGU))) (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. (DR. ((DR. LOOP IN ON) S.) | 0073300 |
| ((DR. RESET STEP) S. S.) | 0073400 |
| (STEP S. S. (DR. 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)) (FCRTRM) GO1608) | 0074700 |
| (EQN CFL (QUOTE RESET)) | 0074800 |
| (BLOCK NIL (FORSET (CADR FL)) | 0074900 |
| (FORX L) (FCRTRM) (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 |

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| 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 (CDDDR FL)) | 0076600 |
| (BLOCK NIL (IF (NUMBP (CADR CFL)) | 0076700 |
| (SET G2 (CADR CFL)) | 0076800 |
| (SET G (NCCNC G (LIST (LIST G2 (QUOTE ASSIGNED) | 0076900 |
| (CADR CFL)))))) | 0077000 |
| (FORX (LIST (QUOTE IF) | 0077100 |
| (LIST (CAR CFL) VADDR G2) (LIST (QUOTE GO) FGO))) G01612)) | 0077200 |
| (FORTRM) | 0077300 |
| (FORX TGC) (FORSET (LIST (QUOTE PLUS) VADDR G1)) G01611)) | 0077400 |
| (RETURN (NCCNC (NCCNC (LIST (QUOTE BLOCK) G) LISTING) | 0077500 |
| (LIST (LIST (QUOTE GO) L) FGC))) | 0077600 |
| E (CMERR (QUOTE (ILLEGAL FOR STATEMENT)))))) | 0077700 |
| ****END OF FILE DETECTED | |

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| (MOVEPO (FUNCTION (REVA2L SYMBOL) | 0000100 |
| ((XREG SYMBOL)) | 0000200 |
| (BLOCK ((VREG SYMBOL)) (SET VREG XREG) (RETURN (TRANSA2L)))) | 0000300 |
| (FUNCTION (LXN SYMBOL) | 0000400 |
| ((N SYMBOL)) (IF (GR (ABS N) 377777Q) NIL (LIST N (QUOTE R)))) | 0000500 |
| (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 (CCNVP SYMBOL) | 0007500 |
| ((NEW SYMBOL)) | 0007600 |
| (CADR (SASSOC NEW (CDR (SASSOC VTYPE (QUOTE ((OCTAL (INTEGER OI) | 0007700 |
| (REAL IR) | 0007800 |
| (SYMBOL (OCT2SYM . LISP)) (BCOLEAN TRU) (OCTAL V)) | 0007900 |
| (INTEGER (REAL IR) | 0008000 |
| (SYMBOL (INT2SYM . LISP)) | 0008100 |
| (OCTAL MZ) (BCOLEAN TRU) (INTEGER V)) | 0008200 |
| (REAL (INTEGER (ROUND . LISP)) | 0008300 |
| (SYMBOL (REAL2SYM . LISP)) | 0008400 |
| (OCTAL (CCTROUND . LISP)) (BCOLEAN TRU) (REAL V)) | 0008500 |
| (SYMBOL (INTEGER (SYM2INT . LISP)) | 0008600 |
| (REAL (SYM2REAL . LISP)) | 0008700 |
| (OCTAL (SYM2OCT . LISP)) | 0008800 |
| (BCOLEAN SP) (FUNCTIONAL (SYM2FORM . LISP)) (SYMBOL V)) | 0008900 |
| (FUNCTIONAL (SYMBOL (FORM2SYM . LISP)) | 0009000 |
| (BCOLEAN TRU) (FUNCTIONAL V)) | 0009100 |
| (BCOLEAN (SYMBOL V) (BCOLEAN V))) | 0009200 |
| (FUNCTION (GO1613 SYMBOL) NIL (QUOTE (A (A A)))) CADRNIL))) | 0009300 |
| (FUNCTION (ADDRMCDS SYMBOL) | 0009400 |
| ((I SYMBOL) (R SYMBOL)) | 0009500 |
| (IF (NULL I) | 0009600 |
| (IF (NULL R) | 0009700 |
| 0 (EQN R (QUOTE AC)) | 0009800 |
| 15 (NUMBP R) | 0009900 |
| R (COMER2 R (QUOTE (ERROR IN VREG OR XREG NO TAG)))) | 0010000 |
| (NULL R) | 0010100 |
| (QUOTE I) | 0010200 |
| (EQN R (QUOTE AC)) | 0010300 |
| (QUOTE (15 I)) | 0010400 |
| (NUMBP R) | 0010500 |
| (LIST R (QUOTE I)) | 0010600 |
| (ATOM R) | 0010700 |
| (COMER2 R (QUOTE (ILLEG TAG))) | 0010800 |
| (NULL (CAR R)) (QUOTE I) (LIST (CAR R) (QUOTE I))) | 0010900 |
| (FUNCTION (BMDCS SYMBOL) | 0011000 |
| ((XCLASS SYMBOL) (XBYTE SYMBOL)) | 0011100 |
| (IF (AND (FULLW VBYTE) (FULLW XBYTE)) | 0011200 |
| NIL (AND (ATOM VBYTE) | 0011300 |
| (EQN VBYTE XBYTE) (EQN XCLASS (QUOTE ACTIVE))) | 0011400 |
| VBYTE (BLOCK ((E1 SYMBOL) | 0011500 |
| (E2 SYMBOL) (E3 SYMBOL) (L1 SYMBOL) (L2 SYMBOL)) | 0011600 |
| (IF (EQN XCLASS (QUOTE ACTIVE)) (GO A)) | 0011700 |
| (SET E1 (QUOTE S)) | 0011800 |
| (SET E2 (TRANS VBYTE)) | 0011900 |
| (SET E3 (TRANS XBYTE)) | 0012000 |
| B (IF (OR (NULL E2) (NULL E3)) | 0012100 |
| (RETURN C) | 0012200 |
| (OR (EQ (SET L1 (LENGTH E2)) (SET L2 (LENGTH E3))) | 0012300 |
| (EQ L1 1) (EQ L2 1)) | 0012400 |
| (GO C) | 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 OI)) | 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 |

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|--|---------|
| (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 (SETTRC 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) (NCT (NUMBP VAL)) (SET VAL 0)) | 0024900 |
| ND1 (IF (EQN TYPE (QUOTE INTEGER)) | 0025000 |
| (SET C (TAGF V (QUOTE S))) (SET C V)) | 0025100 |
| (IF (OR (AND (REALP VAL) | 0025200 |

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      (IF (EQ VAL 0) (BLOCK NIL (SET VAL 0) (RETURN NIL)) TRUE)) 0025300
      (GR (ABS VAL) 377777Q)) 0025400
      (RETURN (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))) OOF2 (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 (MMSK (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 (MMSK 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 (CMERR (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 COTAL)) | 0034700 |
| (RETURN (WORDCR OQ (ENTIER VAL))) NIL) | 0034800 |
| (EQN OTYP (QUOTE SYMBOL)) | 0034900 |
| (IF (EQN NTYP (QUOTE FUNCTIONAL)) | 0035000 |
| (RETURN (CMERR (QUOTE (CONV OF A DATUM TO TYPE FUNCTIONAL)))) | 0035100 |
| (MEMBER NTYP (QUOTE (INTEGER COTAL REAL))) (GO CCC))) | 0035200 |
| (RETURN (CMERR (LIST OTYP (QUOTE TO) | 0035300 |
| NTYP (QUOTE (DOESNT MAKE SENSE FOR DATUM)))) | 0035400 |
| CCC (IF (NCT (NUMBP VAL)) | 0035500 |
| (BLOCK NIL (CMERZ 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 COTAL)) (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 (CMERR (QUOTE (TYPE CONVP NOT LEGAL)))) | 0037600 |
| (NOT (ATOM X)) | 0037700 |
| (RETURN (MOVACTIVE XTYPE XREG XBYTE)) | 0037800 |

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|---|---------|
| (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 (ACT (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 |

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|---|---------|
| (GO LDXR) | 0044200 |
| (NULL (SET A (LXRM VBYTE))) | 0044300 |
| (RETURN NIL) | 0044400 |
| (EQN VCLASS (QUOTE ACTIVE)) | 0044500 |
| (RETURN (IF (EQN A (QUOTE RA)) | 0044600 |
| (IF (NUMBP VREG) | 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 LCX) 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 |

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| (FUNCTION (MCVACTIVE SYMBOL) | 0050500 |
| ((XTYPE SYMBOL) (XREG SYMBOL) (XBYTE SYMBOL)) | 0050600 |
| (BLOCK ((S SYMBOL) (R SYMBOL))) | 0050700 |
| (IF VINV (GC SPECH)) | 0050800 |
| MOVA (IF (EQN VTYPE XTYPE) | 0050900 |
| (GO 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 (LPC XREG) R))) | 0052500 |
| DN (BLCTCH XREG) | 0052600 |
| (RETURN (SVACT XREG XBYTE)) | 0052700 |
| L2A (IF (OR (EQN VADDR (QUOTE PUSHA.)) | 0052800 |
| (EQN VADDR (QUOTE PUSH.))) (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 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 |

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|--|---------|
| (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 (NOT (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 (NOT (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 (CONS (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 (CONS (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 (CONS (QUOTE ANA) | 0062200 |
| (NADDR (MSK VBYTE) (QUOTE OCTAL) NIL))) | 0062300 |
| (GO DONE) | 0062400 |
| INB (ATTACH (CONS (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 |

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|--|---------|
| SWAP (ACT2ACT (QUOTE B) XBYTE) | 0063100 |
| (RETURN (ACT2ACT XREG XBYTE)) | 0063200 |
| RONLY (IF (NUMBP XREG) | 0063300 |
| (GO STIXR) | 0063400 |
| (NOT (BEQ XBYTE)) | 0063500 |
| (GO ER1) | 0063600 |
| (EQN VREG (QUOTE AC)) | 0063700 |
| (ATTACH (LIST (QUOTE STF) (REVA2L XREG))) | 0063800 |
| (ATTACH (LIST (LOPC XREG) (TRANSA2L)))) | 0063900 |
| (GO DONE1) | 0064000 |
| ER1 (ATTACH (LIST (LOPC XREG) | 0064100 |
| (TRANSA2L) | 0064200 |
| (IF (NUMBP (SET A (BMODS (QUOTE ACTIVE) XBYTE))) 0 A))) | 0064300 |
| (COMERR (QUOTE (BYTE TROUBLE AT RONLY IN ACT2ACT))) | 0064400 |
| (GO DONE1) | 0064500 |
| HLFS (IF (NOT (NUMBP VREG)) | 0064600 |
| (GO HLFS1) | 0064700 |
| (NUMBP XREG) | 0064800 |
| (ATTACH (LIST (QUOTE LDX) 3 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 RONLY) | 0065600 |
| HLFS1 (IF (EQ 24 (SET A (CAR (WHATBITS VBYTE)))) | 0065700 |
| (SET A (QUOTE LA)) (EQ 0 A) NIL (GO ON)) | 0065800 |
| (ATTACH (LIST (QUOTE LDX) (TRANSA2L) A XREG)) | 0065900 |
| (GO DONE1) | 0066000 |
| CN (IF (EQN (QUOTE L) VREG) (SET A (QUOTE B)) (SET A VREG)) | 0066100 |
| (ACT2ACT A NIL) | 0066200 |
| (RETURN (ACT2ACT XREG XBYTE)) | 0066300 |
| STIXR (IF (NUMBP VREG) (GO XR)) | 0066400 |
| (ATTACH (LIST (IF (EQN VREG (QUOTE AC)) | 0066500 |
| (QUOTE STF) | 0066600 |
| (EQN VREG (QUOTE B)) | 0066700 |
| (QUOTE STB) (EQN VREG (QUOTE L)) (QUOTE STL) (QUOTE LCADXR)) | 0066800 |
| (REVA2L XREG))) | 0066900 |
| (GO DONE1) | 0067000 |
| XR (IF (SET A (EXHOCKY (QUOTE LDX) XBYTE)) | 0067100 |
| (ATTACH1 (MLDX A XREG)) (GO SWAP)) | 0067200 |
| DONE1 (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 |

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|---|---------|
| (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 (ACEG (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 VBLOT (UNION VBLOT 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) (ACEG 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 |

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| (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)) (GC DINK) (GO STF)) | 0076300 |
| (GO ST) | 0076400 |
| CINK (MOVLCC VTYPE XADDR XREG XIND XBYTE) | 0076500 |
| (SET VTYPE XTYPE) (RETURN NIL)) | 0076600 |
| (FUNCTION (DSTRYD 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 |

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|--|---------|
| (RETURN TRUE) | 0082000 |
| X (IF (FULLW XBYTE) | 0082100 |
| (ATTACH1 (CCNS (QUOTE STZ) IADR)) | 0082200 |
| (BLOCK NIL (ATTACH1 (COMPMSK XBYTE))) | 0082300 |
| (ATTACH1 (CONS (QUOTE ANS) IADR)) (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 (ACT2LOC SYMBOL) | 0083100 |
| ((XADDR SYMBOL) (XREG SYMBOL) (XIND SYMBOL) (XBYTE SYMBOL))) | 0083200 |
| (BLOCK ((X SYMBOL) (Y SYMBOL)) | 0083300 |
| C (IF (NOT (EQN VCLASS (QUOTE ACTIVE)))) | 0083400 |
| (RETURN (BLOCK NIL (CCMERR (QUOTE (ACT2LOC ENTERED AND VCLASS IS | 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 (STOC 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 |
| (STOC 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 (CONC (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 |

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      (IF (EQ 0 (CAR Y))
          (ATTACH (LIST (CAR X) (CADR X))) (ATTACH X)) (ATTACH X))
      (GO SBL)) (RETURN NIL) SBL (ATTACH X)))
(FUNCTION (STXR SYMBOL)
  ((XBYTE SYMBOL))
  (IF (OR (ATOM XBYTE) (EQ 18 (CADR XBYTE))) (LXRM XBYTE) NIL))
(FUNCTION (FULLW SYMBOL)
  ((XBYTE SYMBOL)) (OR (NULL XBYTE) (EQ XBYTE (QUOTE (0 48)))))
(FUNCTION (STOC SYMBOL)
  ((REG SYMBOL))
  (IF (MEMBER REG (QUOTE (AC B L)))
      (CADR (SASSCC REG (QUOTE ((AC STA) (B STB) (L STL))) CADRNIL))
      (BLOCK NIL (COVER2 REG (QUOTE (NOT A LEGAL REGISTER FOR STA CLASS)
        )) (RETURN (QUOTE STORE)))))
(FUNCTION (SVLCC SYMBOL)
  ((ADDR SYMBOL) (REG SYMBOL) (IND SYMBOL) (BYTE SYMBOL))
  (BLOCK NIL (SET VCLASS (QUOTE LCC))
    (SET VADDR ADDR) (SET VREG REG) (SET VIND IND) (SET VBYTE BYTE))))
****END OF FILE DETECTED
0088300
0088400
0088500
0088600
0088700
0088800
0088900
0089000
0089100
0089200
0089300
0089400
0089500
0089600
0089700
0089800
0089900
0090000

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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 |
| (CCR 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) (DFTYPE SYMBOL))) | 0002600 |
| (FUNCTION ((DEFAULT . COMPIL) SYMBOL) ((DFTYPE SYMBOL))) | 0002700 |
| (DECLARE ((IRLIST . COMPIL) FLUID) | 0002800 |
| ((APLIST . COMPIL) FLUID) ((STYPE . COMPIL) FLUID)) | 0002900 |
| (DECLARE (EXITERS SYMBOL OWN) | 0003000 |
| (MSGFILE SYMBOL OWN) | 0003100 |
| (INFILE FLUID) | 0003200 |
| (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 |
| ((OTTY . 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 (CITY))) | 0004300 |
| (SET EXITERS (LIST (QUOTE STOP) | 0004400 |
| (QUOTE END) (QUOTE (STOP)) (OCT2CH 34Q) (OCT2CH 31Q))) | 0004500 |
| (SET PRNMAX 15) (SET PRNERR FALSE) (SET BINLAP TRUE)) | 0004600 |
| (SUPERVISOR (SECTION (SUPV COMPIL LCCMP SYS)) | 0004700 |
| (FUNCTION (LISP . LISP) | 0004800 |
| ((INFILE FLUID) (OUTFILE FLUID) (FORMAT FLUID)) | 0004900 |
| (IF (NOT ONEPASS) | 0005000 |
| (BLOCK ((KEEP FLUID) ((GNLIST . SYS) FLUID)) | 0005100 |
| (RETURN ((LISP . SUPV))) ((LISP . SUPV))) | 0005200 |
| (FUNCTION (LISP . SUPV) | 0005300 |
| NIL (BLOCK (((STYPE . COMPIL) (QUOTE SYMBOL)) | 0005400 |
| ((LISPVALUE . LISP) NIL) | 0005500 |
| ((SLIST . COMPIL) (QUOTE (USER LISP))) | 0005600 |
| (INDEV FLUID (DEVTYPE INFILE)) R) | 0005700 |
| (BLOCK (((SNAME . COMPIL) (CAR (SLIST . COMPIL)))) | 0005800 |
| (MESSAGE (QUOTE LISPENTRY)) | 0005900 |
| X (IF (MEMBER (SET R (SREAD)) EXITERS) (GO OUT)) | 0006000 |
| (MESSAGE (BLOCK NIL (IF (EQ FORMAT (QUOTE IL)) | 0006100 |
| (SET R (LIST (QUOTE DUMMY) R))) | 0006200 |
| (SET R (IF CNEPASS (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 (CDDR 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 (CDDR 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
      (COMER2 X (QUOTE (SYNTAX ERROR))))                                        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 |

| | |
|---|---------|
| (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 |

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|---|---------|
| (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 MLOC 3 (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 |

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|---|---------|
| (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 SYMECL) | 0013800 |
| ((I SYMBOL)) (BLOCK NIL (SET LISTING (CONS I LISTING)))) | 0013900 |
| (FUNCTION (QUOTER SYMBOL) ((X SYMBOL)) (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 |

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| (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 (CADADDDR 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 |
| (COMBCL (CAR X) T F)) | 0009400 |
| (IF (NULL T) | 0009500 |
| (BLOCK NIL (COMSTAT (CADR X)) | 0009600 |
| (IF (NOT (CR (RETP (CADR X)) (AND (NULL (CDDR X)) (NOT 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 (NOT (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 (CCMER NOVALUE) NIL (CCMLOG FALSE)) | 0011400 |
| (FUNCTION (CCMAND NOVALUE) NIL (CCMLOG TRUE)) | 0011500 |
| (FUNCTION (CCMNOT NOVALUE) | 0011600 |
| NIL (IF (OR (SCLASS . COMPIL) (NOT (PCLASS . COMPIL))) | 0011700 |
| (MAKEPRED) | 0011800 |
| (COMBCL (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 |
| (COMBCL EXP T F) | 0012400 |
| (BLOCK ((L (LABELER TERGO))) | 0012500 |
| (BLOCK ((T1 (LIST (QUOTE BSX) (QUOTE (ENTRY ONENT)) 4 L)) | 0012600 |

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| (F1 (LIST (QUOTE BSX) (QUOTE (ENTRY STZENT)) 4 L))) | 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 (PCLASS . COMPIL))) | 0013700 |
| (MAKEPRED) | 0013800 |
| (BLOCK (T (L (GENID))) | 0013900 |
| (FOR T (ON (CDR (EXP . COMPIL))) | 0014000 |
| (COMBOL (CAR T) | 0014100 |
| (IF (NULL (CDR T)) | 0014200 |
| (TGO . 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 (CCMQUC NOVALUE) | 0016200 |
| NIL (BLOCK NIL (ATTACH (IF (IDP (CADR (EXP . COMPIL))) | 0016300 |
| (SUBST (CADR EXP) (QUOTE I) (QUOTE (LDA (ID I) (R L4567.7)))) | 0016400 |
| (LIST (QUOTE LDA) (EXP . COMPIL))) | 0016500 |
| (SET (VCLASS . COMPIL) (QUOTE ACTIVE)))) | 0016600 |
| (FUNCTION (CCMSET NOVALUE) | 0016700 |
| NIL (BLOCK NIL (COMEXP (CADR (EXP . COMPIL))) | 0016800 |
| (IF (AND (NULL (CADDR (EXP . COMPIL))) | 0016900 |
| (OR (SCLASS . COMPIL) (PCLASS . 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 (PCLASS . 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 |

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| (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 LCC))) | 0023800 |
| (FUNCTION (CCMCAL NOVALUE) NIL (CCMCALL (FINDEC (CAR EXP) EXP))) | 0023900 |
| (FUNCTION (CCMCALL NOVALUE) | 0024000 |
| (D) | 0024100 |
| (BLOCK (T) | 0024200 |
| (ATTACH (QUOTE (ARGS))) | 0024300 |
| (FOR T (CN (CDR EXP)) | 0024400 |
| (BLOCK NIL (CCMVAL (CAR T)) | 0024500 |
| (IF (NCT (NULL (CDR T))) (ATTACH (QUOTE (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 |

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|---|---------|
| (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) COMGC) | 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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