FOR LESP 97 PROG READ

a wide title care

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PAGE
                                                          G JLM-0-PRN -NEXT PROD STATEMENT
JLM - --RM - TAG TO GO TO
G JLM-1.RM-PNTR TO PROG LESS BOUND VAR LIP
JLM-*.RM RETURN VALUE
J2.1-> DONT DO UNBND
                                                         HLRE TT-(A)
HRRE A.(A)
JSP T.PG2
JUNPE TT.PG78
HOVEI G.VALUE
HOVEM SP.SPSV
ANDCAM C.PA4
                              PROGES
                                                           HLRZ A.(TT)

HOVEI AR1.0

PUSHJ P.BIND

HRRZ TT.(IT,

JUMPN TT.PG-A

PUSH SP.SPSV
                               P9741
                                                         SFX
PUSHJ P.PGO
JRST .+2
1D24-44
FURES A
HOVES A
HOVES B.1
TONN B.PA4
PUSHJ P.UNBIND
POP P.PA4
POP P.PA3
POPJ P.
                               PG781
                                                                                                                                     1,0
                               PG 4:
ERRP41
                                                      POPJ P.

SKIPA T.PA3
MOVE T.A
JUMPE T.GSX1
HLRZ A.(T)
HRZ T.(T)
HLLE B.(A)
AOJE B.PG1
MOVEM T.PA3
PUSHJ P.EVAL
SKIPL A.PA4
JRST POPJ
SKIPL T.PA3
JRST PG1
JUMPE A.EG1
HLRZ TT.(A)
HRRZ A.(A)
CAIN TT.(T)
JRST PG5
JRST PG5
JRST PG5
JRST PG5
JRST PG5
JRST PG5
                              PGGE
PGSAI
PGII
                                                                                                                SEQUENCER FOR PROGS
                                                                                                               INORMAL EXIT SKIPS
 0
0
                                                                                                                  SRETURN EXIT
                            PELAS
                            P951
P9581
                                                                                                                 FOUND TAG
.
 .
    .
                                                        HLRZ A.(A)
HRROM A.PA3
HLLE B.(A)
AOJE B.FALSE
PUSHJ P.EVAL
JRST GO+1
                             60*1
    .
                             MOVEM A, DO4

HLL A, PA4

TLZ A, -2

MOVEM A, PA4

POPJ P,
                                                                                                                                                                                                                       + x
    .
                                                       HLRI B.(A)
PUSH P.B
PUSHJ P.CADR
PUSHJ P.EVAL
HOVE B.A
MOVE AR1.B
PUSHJ P.BIND
SUB SP.[(1)]
SFX
MOVE A.AR1
POPJ P.
     .
                              SETRE
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SETIE

PG2:

PUSH P.PA3 PUSH P.PA4 HRROM A.PA4 MOVEM A.PA3 JRST (T)

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MOVEM A.AR1
PUSHJ P.CDDDDR
JSP T.PG2
HRZ C.(AR1)
HLRZ A.(AR1)
PUSH P.A
PUSHJ P.ATOM
SKIPN A
LERR [SIXBIT /INDEX NON-ATOMIC - DOI/]
HRZ C.(C)
HLRZ B.(C)
PUSH P.B
HRZ C.(C)
HLRZ B.(C)
PUSH P.B
HRZ C.(C)
HLRZ B.(C)
PUSH P.B
PUSH P.B
PUSHJ P.EVAL
MOVE AR1.A
MOVEM SP.SPSV
MOVE A.-2(P)
PUSHJ P.BIND
PUSH SP.SPSV
SFX
MOVEM A.-2(P)
SETG INITIAL INDEX VAL
 DO:
                                                                                            SETO INITIAL INDEX VALUE
                             PUSH SP.SPSV
SFX
MOVEM A,=2(P)
MOVE A,(P)
PUSHJ P.EVAL
SKIPEA
SKIPEA
SKIPEA A,=2(P)
PUSHJ P.PGO
JRST DO1
MOVE A,=1(P)
PUSHJ P.EVAL
HRRZM A,=2(P)
JRST DOLOOP
SUB P,[3,3]
JRST PG4
                                                                                                                                                                                                                                                                                                                                                                                                       >
 DOLOOP:
 D02:
                                                                                           SINCREMENT INDEX AND LOOP
                                                                                                                                                                                                                                                                  > More A, PA4
DO1:
                                                                                                                                                                                                                                                                                    Moven A, PA3
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SHAIRY READER

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OREAD*: JSP TT.ORD
READ*: MOVEI A.TYI
READOB: MOVEI T.RINTERN
READO: HRRM A.READ2
HRRM T.RDSP20
MOVE T.VIBASE
SUBI T.1
MOVEM T.RDIBS
HRRI T.RDOBJ
SKIPE RDMOD
HRRI T.RDOTE HRRI T.READZA READOA: HRLZI T.2200

READOA: HRLZI T.2200
JRST...+2
READ1: HRLZI T.2000
READ2: PUSHJ P..
READ2A: PUSHJ P..
CAIR B...
JRST.RDSPA
CAIN B...
JRST.RDOPN
CAIN B...
JRST.RDOPN
CAIN B...
JRST.RDOPN
CAIN B... CAIN B. ..
JRST.RDDOT
JUMPE B.READ2

SNULL CHARACTER READ SDELETE CHARACTER READ

SRDOBJ OR RDOTE

RDDELE: TLNE T.200
JRST,READOA
TLNN T.2000
JRST,RDDEL1
POP P.T
POP P.T
JRST,RUBOUT
RDDEL1: POP P.AR1
MOVE A.AR1
JRST,RDDEL2
MOVE A.AR1
JRST,RDDEL2
MOVE A.B
RDDEL3: CAMN A.AR1
JRST,RDDEL3
HRRZ B.(AR1)
HRRM B.(A)
PUSH P.A
MOVEI T.0
JRST,READ2

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RDSPA: TLNE T.200
POPJ P.
JSP C.RDSPAJ
JRST.READ2
RDSPAJ: PUSHJ P.NCONS
TLNN T.2000
JRST .+3
HRRM A.(A)
JRST RDSPA2
POP P.AAI
HRRZ B.(ARI)
HRRM B.(A)
HRRM B.(A)
HRRM A.(ARI)
RDSPA2: PUSH P.A
MOVEI T.0
JRST.(C) RDOPN: TLNE T.200 JRST_ER1 JSP C_RDSPA3 RDPAR1: HRRZI A_50 JRST_READ2+1 SFIRST OBJECT ON INPUT LIST ILLEGAL RDDOT: TLNE T.100 JRST ER2 JSP C.RDSPA3 HRLZI T.100 JRST.READ2 RDCLOS: TLNE T.200
JRST.READDA
TLNN T.100
PUSHJ P.NCONS
TLNE T.2000
POPJ P.
POP P.AR1
HRRZ B.(AR1)
HRRM A.(AR1)
JRST SPROG2 CAIE A.**

JRST RDOBJ

PUSHJ P.**READ2

PUSHJ P.**RDOBJ

JUMPE B..-2

PUSH P.**

PUSH P.**

ROYEI B.COUOTE

PUSHJ P.XCONS

JRST POPBJ RDOTE: . SFLAGS 1 \$1 FLOATING NUMBER

\$2 DECIMAL NUMBER

\$4 E, 1, OR + TYPED ON A NUMBER

\$10 DOT

\$20 LET

\$40 NUM

\$100 DOT PAIR

\$200 TOP LEVEL

\$400 MINUS

\$1000 -E

\$2000 IST OBJECT

\$4000 † OR - TYPED ON A NUMBER

\$10000 - TYPED ON A NUMBER

\$20000 READ INITIAL + OR -

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.
                                                                CLEARB 8.C
JRST RDCH1
PUSHJ P.*READ2
CAIG A.*Z
CAIGE A.*A
JRST.RDOBJ1
PUSHJ P.RDCHL
JRST RDCH
                                  RDOBJ:
                                                                                                                                  FREAD-ONE-OBJECT SUBROUTINE
                                 RDLETE
  0
                                                                                                                                  PROCESS A LETTER
                               RDOBJ1: CAIG A.*9
CAIGE A.*0
JRST.RDOBJ2
TLNE T.20
JRST.RDEET
SUB1 A.*0
TLNE T.4
JRST.RDEXP
TLO T.40
TLZN T.12
JRST.RDNUM1
TLO T.1
MOVEL TI.0
RDNUM1 **IMULI B.12
ADD B.A
PUSH P.C+1
MUL C.RDIBS
LSH C+1.1
LSHC C.J5.
POP P.C+1
ADD C.A
SOJA TT.RDCH
TLNE T.4000
IMUL B.RDIBS
IMULI C.12
TLNE T.4000
ADD B.A
ADD C.A
JRST.RDCH
RDOBJ2: CAIN A.11
  0
  6
                                                                                                                                              TLO 5, 40
   0
   0
                                                                                                                                           7
                                RDOBJ2: CAIN A.11
MOVEI A.*
CAIE A.40
CAIN A.*
JRST.RDSP
CAIE A.*(
JRST.RDSPJ3
TLNE T.60
JRST.RDSP1
TLZE T.10
TLO T.100
PUSH P.T
PUSHJ P.READ1
MOVEI 8.*
POP P.T
JRST.RDSPS+1
     .
  0
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  .
                            RDOBJ3: CAIE A.*)
JRST.RDOBJ4
RDCL: TLNE T.60
JRST.RDSP1
TLO T.100
MOVEI 8.*)
JRST FALSE
 0
                            RDOBJ4: CAIE A.:

RDOT: JRST,RDOBJ5

TLNE T,40

JRST,RDDT1

TLNE T,20

JRST,RDDT1

TLOE T,10

TLO T,100

JRST,RDCH

TLON T,2

TLOA T,10

JRST,RDCH

RDDT2: TLNE T,200

JRST,RDSP1

RDOBJ5: CAIN A...
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                                                                                                                             SCONTEXT ERROR WITH DOT NOTATION
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RDOBJ7: CAIE A.177
JRST.RDOBJS
TLIE T.JS577
JRST.RUSOUT
MOVE B.A
POPJ P.
RUBOUT: PUSHJ P.*READ2
JRST.RDOBJ ISTRIPPED RUBOUT RDDBJ8: CAIE A.*/
JRST.RDDBJ9
PUSHJ P.*READZ
RDALPH: TLZE T.40
JRST ERJ
JRST RDCHL RDET RDDBJ9: CAIL A.**

TLNN T.40

JRST RDDBJ0

TLO T.4004

TLZN T.22

MOVE B.C

MOVEM B.RDBSV

CLEARB B.C

CAIE A.**

TLO T.10000

JRST RDCH RDOBJO: CAIE A.33 CAIL A.40 JRST RDALPH TLNE T.35467 JRST RDCH RDNUL: SEIZM B POPJ P. RDCHL: TLNE T.20040
JRST RDDMLE
TLOE T.20
JRST RDPAK
TLZE T.10
TLOA T.100
JRST .+3
TLNE T.2000
JRST ER1
HRRM A.RDRLD1
PUSHJ P.FWDCNS
HRLI A.700
MOVEM A.RDPTR
PUSHJ P.NCONS
HRRM A.A.A.)
JRST ARDRLD2 SLETTER PROCESSING SUBROUTINE SFIX-UP T-CONDITION WHEN SECOND PART SOF DOT PAIR BEGINS TO COME IN RDRLOD: HRRM A. RDRLD1
HRRZ B. (AR1)
PUSHJ P. FHOCNS
HRRM A. RDPTR
PUSHJ P. CONS
HRRM A. (AR1)
RDRLD2: SOS. RDPTR
RDRLD1: MOVE AR1. A
SKIPA B. (5)
RDPAK: SOJLE B. RDRLOD
DPBI A. RDPTR
POPJ P.
RDPTR: 0 RDPIR: 0

RDCHLE: TLNN T,J

JRST RDLTE1

CAIE A,105

JRST-ER1

TLON T,5

MOVEI T,0

MOVEI C,0

POPJ P.

RDLTE1: TLNN T,20000

JRST ER1

SKIPN RDMOD

JRST RDLTE2

CAIL A, A

SUBI A, A-10,-0

CLEARS S, C

SUB P, (1...)

JRST RDNUM

ADLTE2F TLNE T,400

ADLTEAT

ADL READ A LETTER WHILE CONSTRUCTING A NUMBER-LIKE OBJECT 6 CALCA, 0 CAESE AS SALT ROLLES 0 RM TO 0 ROCHL 0 FDL762 Tho T, 20 TLZ T, 200 F ROPAL

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RDSP: TLZE T.10
JRST.RDSP2
RDSP1: HRRM A.RDSPS
TLNN T.20
JRST.RDSP3
HRRZ A.(AR1)
HLRM A.(AR1)
PUSH P.T
RDSP20: PUSHJ P..
POP P.T
RDSPS: HRRZI B.O
TLNE T.100
JRST.RDSP8
POPJ P. POPJ P.

RDSP3: TLNN T.40
 JRST.RDNUL
 TLNE T.1
 JRST.RDSP4
 TLNE T.4000
 JRST RDSP51
 TLNE T.2
 MOVE C.8
 MOVE C.8
 MOVE A.C
RDSP31: MOVEI B.FIXNUM
 RDSP5: TLNE T.400
 MOVNS.A
 PUSHJ P.MAKNUM
 JRST.RDSPS
 RDSP51: TLNN T.2
 MOVE C.8
 MOVE C.8
 MOVE C.8
 MOVE A.C
 JRST.RDSPS
 RDSP51: TLNN T.2
 MOVE A.RDBSV
 ANDI C.77
 TLNN T.10000
 JRST RDSP52
 LSH A.9C
 JRST RDSP51
 MUL A.RDIBS
 LSH A.1.1
 LSHC A.35.

RDSP52: SOJGE C...3
 JRST RDSP31

RDSP4: TLNE T.1000 TLNE T.1000
MOVNS.C
TLNE T.4
ADD TT.C
TLNE TT.400000
TLO T.1000
MOVE A.B
PUSHJ P.FLOAT
MOVM B.TT
JRST.RDSP6 RDSP4:

TLNE T:1000 FDVR A;C1RD TLNN T:1000 FMPR A;C1RD SOJGE B:RDSP7 MOVEI B;FLONUM JRST;RDSP5 RDSP6: TLNE T.200 JRST.ER2 TLO T.100 JRST.RDCH RDSP2: EXCH A,B CAIN A,*) JRST,RDSP9 CAIE A,40 CAIN A,*, JRST,*+4 CAIN A,177 JRST,EDRUB JRST,ER1 PUSHJ P,*READ2 JRST,RDSP8+1 EXCH A,B POPJ P, RDSP8: RDSP9: CIRD: RDBSV: RDIBS: 10.0

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RDSP7:

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