

!A

*** End of Pass 1

*** End of Pass 2

```
0800      1          ttl "BIG MAC Loader Source Code, LOADMAC.L"
0800      2      ;
0800      3      ;
0800      4      ; LOADMAC.L
0800      5      ;
0800      6      ;
0800      7      ; BIG MAC Loader Source Code
0800      8      ;
0800      9      ; 2024 February 14
0800     10      ;
0800     11      ;
0800     12      ; DOS 4.5, Build 06
0800     13      ;
0800     14      ; 2024 February 14
0800     15      ;
0800     16      ;
0800     17      ; Start of Source Code: 0x4000
0800     18      ; Start of Symbol List: 0x7800
0800     19      ;
0800     20      ;
0800     21      ; Copyright (c) 2024 February 14 by
0800     22      ; Walland Philip Vrbancic Jr
0800     23      ;
0800     24      ; 6223 East Peabody Street
0800     25      ; Long Beach, California 90808
0800     26      ; Unitied States of America
0800     27      ;
0800     28      ; All Rights Reserved
0800     29      ;
0800     30      ; This software is the confidential and
0800     31      ; proprietary intellectual property of
0800     32      ; Walland Philip Vrbancic Jr
0800     33      ;
0800     34      ;
0800     35      ; This program loads the DOS 4.5 version of Big Mac into
0800     36      ; Auxiliary memory. This program also contains the
0800     37      ; interface routines for Big Mac and DOS 4.5.
0800     38      ;
0800     39      ;
0010     40      PTR1      epz $10
0012     41      PTR2      epz $12
0033     42      PROMPT    epz $33
0073     43      HIMEM     epz $73
0076     44      ASRUN     epz $76
00D8     45      ASONERR   epz $D8
0800     46      ;
0800     47      ;          enz
0800     48      ;
0000     49      ZERO      equ $00
0084     50      CTRLD     equ $84
008D     51      RETURN    equ $8D
00FF     52      NEGONE    equ $FF
0800     53      ;
0002     54      XFERPGS    equ $02
0028     55      MACPGS     equ $28
0800     56      ;
0006     57      ARUNOFF    equ $06
0800     58      ;
00A5     59      PWRUPBYT   equ $A5
0800     60      ;
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03D3      61  DOSCOLD   equ  $3D3
03EA      62  HOOKDOS   equ  $3EA
0800      63  ;
10B0      64  MEMSTRT   equ  $10B0
BC70      65  XFERSTRT  equ  $BC70
BC70      66  REENTRY   equ  XFERSTRT
0800      67  ;
1000      68  PAGE10    equ  $1000
F800      69  PAGEF8    equ  $F800
0800      70  ;
BFF6      71  MNGUSER   equ  $BFF6
0800      72  ;
C008      73  AUXZPOFF  equ  $C008
C009      74  AUXZPON   equ  $C009
0800      75  ;
C080      76  RAM2WP     equ  $C080
C081      77  ROM2WE     equ  $C081
C082      78  ROM2WP     equ  $C082
C083      79  RAM2WE     equ  $C083
C088      80  RAM1WP     equ  $C088
C08A      81  ROM1WP     equ  $C08A
C08B      82  RAM1WE     equ  $C08B
0800      83  ;
D0B0      84  MACSTRT   equ  $D0B0
0800      85  ;
E003      86  BASIC2    equ  $E003
0800      87  ;
FB2F      88  INIT       equ  $FB2F
FC58      89  HOME       equ  $FC58
FD8E      90  CROUT      equ  $FD8E
FDDA      91  PRBYTE     equ  $FDDA
FDED      92  COUT       equ  $FDED
FE84      93  SETNORM    equ  $FE84
FE89      94  SETKBD     equ  $FE89
FE93      95  SETVID     equ  $FE93
0800      96  ;
0800      97  ;
0900      98             org  $900
0900      99             obj  $900
0900     100             usr
0900     101  ;
0900     102  ;
0900 20 58 FC 103             jsr  HOME
0903 20 EA 03 104             jsr  HOOKDOS
0906     105  ;
0906 A0 00 106             ldy  #MSG1-MESGS
0908 20 AA 09 107             jsr  PRTMSG
090B     108  ;
090B     109  ;
090B     110  ; Load Big Mac into Main memory, then copy to Auxiliary
090B     111  ; memory.
090B     112  ;
090B A0 29 113             ldy  #MSG2-MESGS
090D 20 AA 09 114             jsr  PRTMSG
0910     115  ;
0910 2C 83 C0 116             bit  RAM2WE
0913 2C 83 C0 117             bit  RAM2WE
0916     118  ;
0916 8D 09 C0 119             sta  AUXZPON
0919     120  ;
0919 A9 00 121             lda  #ZERO

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091B 85 10      122      sta PTR1
091D 85 12      123      sta PTR2
091F           124      ;
091F A9 10      125      lda /MEMSTRT
0921 85 11      126      sta PTR1+1
0923           127      ;
0923 A9 D0      128      lda /MACSTRT
0925 85 13      129      sta PTR2+1
0927           130      ;
0927 A2 28      131      ldx #MACPGS
0929 A0 B0      132      ldy #MEMSTRT
092B           133      ;
092B B1 10      134      ^1  lda (PTR1),Y
092D 91 12      135      sta (PTR2),Y
092F           136      ;
092F C8         137      iny
0930 D0 F9      138      bne <1
0932           139      ;
0932 E6 11      140      inc PTR1+1
0934 E6 13      141      inc PTR2+1
0936           142      ;
0936 CA         143      dex
0937 D0 F2      144      bne <1
0939           145      ;
0939 2C 82 C0    146      bit ROM2WP
093C           147      ;
093C           148      ;
093C           149      ; Load XFER into Main memory.
093C           150      ;
093C A9 BC      151      lda /XFERSTRT
093E 85 13      152      sta PTR2+1
0940           153      ;
0940 A2 02      154      ldx #XFERPGS
0942           155      ;
0942 B1 10      156      ^2  lda (PTR1),Y
0944 91 12      157      sta (PTR2),Y
0946           158      ;
0946 C8         159      iny
0947 D0 F9      160      bne <2
0949           161      ;
0949 E6 11      162      inc PTR1+1
094B E6 13      163      inc PTR2+1
094D           164      ;
094D CA         165      dex
094E D0 F2      166      bne <2
0950           167      ;
0950           168      ;
0950           169      ; Copy Main memory ROM to Auxiliary memory RAM.
0950           170      ;
0950 8D 09 C0    171      sta AUXZPON
0953           172      ;
0953 2C 81 C0    173      bit ROM2WE
0956 2C 81 C0    174      bit ROM2WE
0959           175      ;
0959 A0 00      176      ldy #PAGEF8
095B A2 F8      177      ldx /PAGEF8
095D           178      ;
095D 84 10      179      sty PTR1
095F           180      ;
095F 86 11      181      ^1  stx PTR1+1
0961           182      ;

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0961 B1 10      183 ^2      lda (PTR1),Y
0963 91 10      184      sta (PTR1),Y
0965           185      ;
0965 C8         186      iny
0966 D0 F9      187      bne <2
0968           188      ;
0968 E8         189      inx
0969 D0 F4      190      bne <1
096B           191      ;
096B 8D 08 C0   192      sta AUXZPOFF
096E           193      ;
096E 2C 8A C0   194      bit ROM1WP
0971           195      ;
0971           196      ;
0971           197      ; Initialize Main memory.
0971           198      ;
0971 84 33      199      sty PROMPT
0973 84 76      200      sty ASRUN
0975           201      ;
0975 88         202      dey
0976           203      ;
0976 84 D8      204      sty ASONERR
0978           205      ;
0978 A2 06      206      ldx #ARUNOFF
097A           207      ;
097A A0 70      208      ldy #REENTRY
097C A9 BC      209      lda /REENTRY
097E           210      ;
097E 38         211      sec
097F           212      ;
097F 20 A7 09   213      jsr SETUSER
0982           214      ;
0982 A9 70      215      lda #XFERSTRT
0984 85 73      216      sta HIMEM
0986           217      ;
0986 A9 BC      218      lda /XFERSTRT
0988 85 74      219      sta HIMEM+1
098A           220      ;
098A           221      ;
098A           222      ; Initialize Auxiliary memory.
098A           223      ;
098A 8D 09 C0   224      sta AUXZPON
098D           225      ;
098D 20 84 FE   226      jsr SETNORM
0990 20 2F FB   227      jsr INIT
0993 20 89 FE   228      jsr SETKBD
0996 20 93 FE   229      jsr SETVID
0999           230      ;
0999 A9 70      231      lda #XFERSTRT
099B 85 73      232      sta HIMEM
099D           233      ;
099D A9 BC      234      lda /XFERSTRT
099F 85 74      235      sta HIMEM+1
09A1           236      ;
09A1           237      ;
09A1           238      ; Enter Big Mac.
09A1           239      ;
09A1 2C 80 C0   240      bit RAM2WP
09A4           241      ;
09A4 4C 03 E0   242      jmp BASIC2
09A7           243      ;

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```
09A7          244      ;
09A7 6C F6 BF  245      SETUSER      jmp (MNGUSER)
09AA          246      ;
09AA          247      ;
09AA          248      PRTMSG:
09AA B9 B6 09  249      ^1          lda MESGS,Y
09AD F0 06     250              beq >2
09AF          251      ;
09AF 20 ED FD  252              jsr COUT
09B2          253      ;
09B2 C8        254              iny
09B3 D0 F5     255              bne <1
09B5          256      ;
09B5 60        257      ^2          rts
09B6          258      ;
09B6          259      ;
09B6          260      MESGS:
09B6          261      ;
09B6 8D        262      MSG1      byt RETURN
09B7 CC EF E1  263              asc "Loading Big Mac modified for DOS 4.5H."
09BA E4 E9 EE
09BD E7 A0 C2
09C0 E9 E7 A0
09C3 CD E1 E3
09C6 A0 ED EF
09C9 E4 E9 E6
09CC E9 E5 E4
09CF A0 E6 EF
09D2 F2 A0 C4
09D5 CF D3 A0
09D8 B4 AE B5
09DB C8 AE
09DD 8D 00     264              byt RETURN,ZERO
09DF          265      ;
09DF 8D 84     266      MSG2      byt RETURN,CTRLD
09E1 C2 CC CF  267              asc "BLOAD BIGMAC,A$10B0"
09E4 C1 C4 A0
09E7 C2 C9 C7
09EA CD C1 C3
09ED AC C1 A4
09F0 B1 B0 C2
09F3 B0
09F4 8D 00     268              byt RETURN,ZERO
09F6          269      ;
09F6          270      ;

BSAVE LOADMAC,A$0900,B,L$00F6

09F6          271              usr LOADMAC
09F6          272      ;
09F6          273      ;
09F6          274              stt "LOADMAC Symbol Table"
09F6          275      ;
09F6          276      ;
09F6          277              end 111
```

*** End of Assembly

Symbols unsorted:

Symbols alphabetically sorted:

Symbols numerically sorted:

ZERO	0000	XFERPGS	0002	ARUNOFF	0006	PTR1	0010	PTR2	0012
MACPGS	0028	PROMPT	0033	HIMEM	0073	ASRUN	0076	CTRLD	0084
RETURN	008D	PWRUPBYT	00A5	ASONERR	00D8	NEGONE	00FF	DOSCOLD	03D3
HOOKDOS	03EA	SETUSER	09A7	PRTMSG	09AA	MESGS	09B6	MSG1	09B6
MSG2	09DF	PAGE10	1000	MEMSTRT	10B0	XFERSTRT	BC70	REENTRY	BC70
MNGUSER	BFF6	AUXZPOFF	C008	AUXZPON	C009	RAM2WP	C080	ROM2WE	C081
ROM2WP	C082	RAM2WE	C083	RAM1WP	C088	ROM1WP	C08A	RAM1WE	C08B
MACSTRT	D0B0	BASIC2	E003	PAGEF8	F800	INIT	FB2F	HOME	FC58
CROUT	FD8E	PRBYTE	FDDA	COUT	FDED	SETNORM	FE84	SETKBD	FE89
SETVID	FE93								