

\*8724:EA EA EA

\*8702:18

\*8706:81

\*19F4:00 00

\*1A1F:37 0C

\*8700G

8118 : JOT RESCUE? 0 TEXT-SAFE ! EMPTY-BUFFERS LOAD-TEXT TEXT-TOP CACOPH 1 ^MODE  
! 0 LEVEL ! ACTIVE ?STACK ?KEY 0= 0BRANCH 0014 START-ECHO ?KEY 0= 0BRANCH 0008  
ECHO BRANCH FFF4 END-ECHO KEY DUP LIT 0060 < 0BRANCH 000E DUP KEYT @ EXECUTE BR  
ANCH FFCC HOME (. ") 07 ASCII " . (") 10 FROM KEYBOARD!? " 0 EXI  
T-KEY ;S

806D : RESCUE? TEXT-SAFE @ 0= 0BRANCH 0095 HOME (") 44 JOT WAS ABORTED BEFORE C  
HANGES COULD BE SAVED. DO YOU ANT TO SAVE?" KEY CR LIT 0059 = 0BRANCH 0036 (")  
27 INSERT THE JOT TEXT DISK YOU WERE USING" CR &HIT RESCUE BRANCH 0004 EMPTY-BU  
FFERS 1 TEXT-SAF E ! ;S

8017 : CAPS-MODE-KEY ^SCREMIT @ 2+ SDUP LITW 63A8 = EH? 0BRANCH 000A LITW 63BC B  
RANCH 001C LITW 63BC = EH? 0BRANCH 000A LITW 0EEE BRANCH 0008 2DROP LITW 63A8 CF  
A ^SCREMIT ! DROP DEPART TEXT-TOP ;S

7F9C : NEW-DISK Y/NQUERY FREE-ALL CR (") 20 IS THIS A 2-DRIVE SYSTEM? (Y/N):" K  
EY DUP EMIT CR LIT 0059 = DUP 0= 0BRANCH 001F (") 18 REMOVE THE CURRENT DISK "  
&HIT B/DSK \* DUP BLK1 0 ROT COPY-SOME MAKE-DISK ;S

7F66 : MAKE-DISK END-MARK DUP >TOP >BOT DUP 0BRANCH 0012 TOP ^TOS-BLK C@ >#2 BOT  
TOM ^TOS-BLK C@ >#2 INDX + WRITE-INDEX FLUSH ;S

7F4A : COPY-DISK Y/NQUERY CR 0 B/DSK B/DSK COPY-SOME ;S

7ED3 : COPY-SOME DUP FMT ROT ROT DUP 0BRANCH 0011 CR (") 0A COPYING..." B/DSK R  
OT (DO) I #BUFS + B/DSK MIN I (DO) I OVER > 0BRANCH 000A I BUFFER BRANCH 0006 I  
BLOCK DROP OVER 0BRANCH 000A I >#2 BRANCH 0004 UPDATE (LOOP) FFD6 FLUSH #BUFS (+  
LOOP) FFC0 2DROP ;S

7EBF : >#2 DUP #2 SWAP REASSIGN UPDATE ;S

7E45 : FMT (") 14 PUT A DISK IN DRIVE " DUP B/DSK / 1+ . &HIT EMPTY-BUFFERS (")  
) 0F INITIALIZING..." &DRV DROP 1 LIT B7EB C! LIT 0004 LIT B7F4 C! &RWTS 0BRANCH  
001F LIT 0007 EMIT CR (") 10 FORMATTING ERROR" QUIT ;S

7E22 : &HIT (") 0F AND HIT ANY KEY" KEY DROP CR ;S

7E16 : SET ! ;S

7DF1 : END-ECHO BLACK-CURS CURS-TYPE WORD-LEN ! CAP ! PUNKED ! WORD1 ! CHV! ;S

7DDE : ECHO BLINK ^ECHO @ EXECUTE ;S

7DA4 : BLINK BLINK-COUNTER @ 1+ BLINK-PERIOD MOD DUP BLINK-COUNTER ! -DUP 0BRANC  
H 0012 WHITE-PERIOD = 0BRANCH 0006 BLACK-CURS CURS-TYPE BRANCH 000A INVERSE WHIT  
E-CURS CURS-TYPE INVERSE ;S

7D45 : START-ECHO LIT 000B 0 (DO) LF (LOOP) FFFC LIT 000B 0 (DO) UP (LOOP) FFFC  
CURS-PREP WORD1 @ PUNKED @ CAP @ WORD-LEN @ 0 WORD-LEN ! LITW 7C93 CFA ^ECHO ! B  
OTTOM SIZE ECHO-PTR ! LIT FFFF BLINK-COUNTER ! ;S

7CE1 : CURS-PREP TWEEN CURS-SIZE DUP WHITE-CURS C! BLACK-CURS C! TWEEN 0BRANCH 0  
022 TOP>\* DUP END-MARK < 0BRANCH 0004 ARRIVE? CH @ SWAP \*>TOP CH @ BL BRANCH 000  
E CH @ -> DUP LIT 003C DUP WHITE-CURS 1+ C! BLACK-CURS 1+ C! SWAP CURS-CHV ! ;S

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7CD2 : <- LIT FC10 CALL ;S

7CC3 : -> LIT FBF4 CALL ;S

7C89 : PAINT ECHO-PTR @ -DUP 0BRANCH 001A 1 - BOTTOM PEEK POUR DROP LIT FFFF ECH
O-PTR +! BRANCH 000C LITW 7C71 CFA `ECHO ! ECHO-DONE? ;S

7C67 : CLEAN SPACE LIT 0027 CH C@ - LIT 0013 MIN SPACES ECHO-DONE? ;S

7C30 : ECHO-DONE? CH @ LIT 1627 > 0BRANCH 001A BL LIT 0080 + CURS-ADR C! TELL-FR
EE LITW 7BDE CFA `ECHO ! ;S

7BEC : TELL-FREE LIT 0017 BCALC LIT 0028 BL LIT 0080 + FILL LIT 0017 LIT 0014 VH
TAB FREE-BLOCKS @ LIT 0004 - . (".) 07 K FREE." ;S

7BD5 : IDLE LIT 0078 0 (DO) (LOOP) FFFE ;S

7BB3 : CURS-TYPE CH @ SWAP CURS-CHV @ CHV! COUNT TYPE CHV! ;S

7B9C : BLACK-CURS 13DA

7B85 : WHITE-CURS 13DA

7B76 : ECHO-PTR 0F21

7B6A : `ECHO 0F21

7B56 : BLINK-COUNTER 0F21

7B47 : ECHO-CHV 0F21

7B38 : CURS-CHV 0F21

7B25 : WHITE-PERIOD 0F05

7B12 : BLINK-PERIOD 0F05

7AFB : PLUS-KEY DROP LIT 002B INSCH ;S

7AE3 : CARET-KEY DROP LIT 005E INSCH ;S

7ACB : SLASH-KEY DROP LIT 002F INSCH ;S

7AB5 : PUNCSTUFF PUNCT (´) (STUFF) ;S

7AA0 : KEYSTUFF KEYT (´) (STUFF) ;S

7A8D : ]KEY DROP LIT 005D INSCH ;S

7A7A : [KEY DROP LIT 005B INSCH ;S

7A39 : PARA-DEL-KEY DROP DEPART MARK-> TWEEN 3 = 0BRANCH 001A LIT 0004 SOUND TOP
>* DROP ARRIVE? HOVER @ -DUP 0BRANCH 0004 *>TOP 0 HOVER ! ;S

7A0B : PARAKEY DROP DEPART MARK-> TWEEN 3 = 0BRANCH 0008 TOP>* HOVER ! PARAMARK
*>TOP 1 MODE ! ;S

79D5 : PRINT-KEY DROP DEPART TEXT-TOP SAVE-TEXT 1 TEXT-SAFE ! PR-START BOT> DUP
>PR PR-DONE? 0BRANCH FFF6 LOAD-TEXT TEXT-TOP 0 TEXT-SAFE ! ;S

79A2 : PR-DONE? KEY? 0BRANCH 000A DROP 1 BRANCH 0018 END-MARK < 0BRANCH 0008 0 B
RANCH 000A PR-FLUSH PR-CR ENDPAGE 1 ;S

7956 : >PR SDUP MIN-SP < EH?> 0BRANCH 0008 CAPIZE? BRANCH 0030 SENTMARK < EH? 0B
RANCH 0008 BL BRANCH 0020 1 CAP ! PARAMARK < EH? 0BRANCH 000A LIT 0013 BRANCH 00

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08 2DROP LIT 0010 PERMIT ;S

792A : EXIT-KEY DROP RESCUE LIT 0017 0 VHTAB CR (".") 08 ----- OK" EMPTY-BUFFERS  
QUIT ;S

7913 : RESCUE DEPART SAVE-TEXT 1 TEXT-SAFE ! ;S

7903 : TEXT-SAFE 0F21

78BC : PERMIT SDUP LIT 0010 = EH? 0BRANCH 0008 PR-PARA BRANCH 0028 LIT 0013 = EH  
? 0BRANCH 0008 PR-SENT BRANCH 0016 BL = EH? 0BRANCH 0008 PR-BL BRANCH 0006 DROP  
PR-PR ;S

789A : PR-SENT BLOCKING @ 0BRANCH 000A PR-FLUSH PR-CR BRANCH 0006 PR-BL PR-BL ;S

786E : PR-BL PR-PTR C@ 0BRANCH 001A PR-FLUSH BL PR-EAT COL C@ PR-WIDTH @ < 0= 0B  
RANCH 0004 PR-CR ;S

781A : PR-PARA COL C@ 0BRANCH 0006 PR-FLUSH PR-CR PARA-SKIP @ 1+ ENDPAGE? DROP P  
R-LINE @ TOPMARG @ > 0BRANCH 0008 PARA-SKIP @ PR-SKIP BLOCKING @ 0= 0BRANCH 000C  
1PR INDENT @ SPACES 0PR COL C@ PR-PTR ! ;S

7794 : PR-PR PR-EAT PR-PTR @ PR-WIDTH @ > 0BRANCH 006C COL C@ PR-BUF C@ BL - 0BR  
ANCH 0024 PR-WIDTH @ 2 - PR-UPTO 1PR (".") 01 -" 0PR COL C@ 1 - COL C! BRANCH 001  
A COL C@ 1+ DUP COL C! PR-BUF C@ BL - 0BRANCH FFEA COL C@ PR-PTR @ PR-CR OVER -  
DUP ROT PR-BUF 0 PR-BUF ROT CMOVE PR-PTR ! ;S

7744 : PR-CR COL C@ PR-WIDTH @ < 0= END-CR @ 0= AND DUP PR-LINE +! 0= SPACING @  
1 - + DUP ENDPAGE? 0= 0BRANCH 0008 PR-SKIP BRANCH 0004 DROP 0 COL C! 0 PR-PTR !  
;S

772B : PR-FLUSH PR-PTR @ 1 - PR-UPTO ;S

7710 : PR-EAT PR-PTR @ PR-BUF C! 1 PR-PTR +! ;S

76E6 : PR-UPTO COL C@ - 1+ -DUP 0BRANCH 0010 1PR COL C@ PR-BUF SWAP TYPE 0PR ;S

76BD : ENDPAGE? PR-LINE @ + PAGELEN @ BOTMARG @ - > DUP 0BRANCH 0004 ENDPAGE ;S

7692 : PR-START 0 PAGE# ! 0 PR-PTR ! 1PR (".") 03 " 0PR 1 PR-SKIP NEWPAGE ;S

7674 : ENDPAGE ROLLPAPER @ 0BRANCH 0008 PAGELEN @ SKIP-TO NEWPAGE ;S

763C : NEWPAGE 1 PAGE# +! 1PR ROLLPAPER @ 0BRANCH 000A LIT 002D BRANCH 0006 LIT  
000C EMIT 0 PR-LINE ! TOPMARG @ PR-SKIP ;S

7626 : SKIP-TO PR-LINE @ - PR-SKIP ;S

75EA : PR-SKIP DUP 0 > 0BRANCH 0024 DUP PR-LINE +! 1PR 0 (DO) CR LF? @ 0BRANCH 0  
004 LF (LOOP) FFF2 0PR BRANCH 0004 DROP ;S

75DC : 0PR 0 PR ;S

75A8 : 1PR SLOT @ DUP PR -DUP 0BRANCH 0016 LIT 07F8 + DUP C@ LIT 0080 OR SWAP C!  
COL C@ CH C! ;S

7588 : COL SLOT @ -DUP 0BRANCH 000C LIT 05F8 + BRANCH 0004 CH ;S

757E : LF? 0F21

756E : ROLLPAPER 0F21

74DC : PR-BUF 13DA

74D0 : PAGE# 0F21

74C2 : BOTMARG 0F21  
74B4 : TOPMARG 0F21  
74A6 : PAGELEN 0F21  
7498 : PR-LINE 0F21  
7489 : BLOCKING 0F21  
747C : INDENT 0F21  
746C : PARA-SKIP 0F21  
745E : SPACING 0F21  
7453 : CHSV 0F21  
7446 : PR-PTR 0F21  
7439 : END-CR 0F21  
742A : PR-WIDTH 0F21  
741F : SLOT 0F05  
73FF : CLR-DEL-KEY DROP DELETE-BUFFER EMPTY-CSTACK LIT 0004 3 SOUNDS ;S  
73D0 : DELETE-KEY DROP 0 HOVER ! TWEEN 0BRANCH 000A MODE DELETE BRANCH 000A LIT 0004 SOUND ERAC ;S  
736F : DELETE MARK-> BOTTOM TOS-TYPE LIT 0004 < 0BRANCH 0044 DUP 3 SOUNDS CUT-MARK >DEL BOTTOM DELETE-BUFFER ROT TYPE-SP XFER BOTTOM TOS-TYPE 3 < 0BRANCH 0006 BOT> >DEL BOTTOM TOS-TYPE 2 > TWEEN 3 = AND 0BRANCH 0008 TOP>\* >DEL ARRIVE? BRANCH 0004 DROP ;S  
7357 : SLURP-KEY END-WORD? 2DROP ACTIVE BLURP ;S  
7319 : BLURP DEL>? 0BRANCH 002E LIT 0005 SOUND DUP PARAMARK < 0= 0BRANCH 0018 2 LIT 0005 SOUNDS <-MARK ARRIVE? SP-> SPIT \*>TOP BRANCH 0006 >DEL SPIT ;S  
72EC : SPIT DELETE-BUFFER LIT 0004 + @ 0= 0= 0BRANCH 0012 DELETE-BUFFER BOTTOM CUT-MARK XFER DEL>? 0BRANCH 0004 DROP ;S  
72B8 : ESC-KEY DROP LEVEL @ 1+ LIT 0004 MOD DUP LEVEL ! -DUP 0BRANCH 000A 1 SOUNDS BRANCH 0006 2 SOUND ;S  
728F : MODE-KEY DROP `MODE @ 3 + MODETAB @ DUP `MODE ! ABS 0 SOUNDS ;S  
7273 : MODETAB 13DA  
7254 : LETTER LEVEL @ 0= 0BRANCH 0008 LIT 0020 + INSCH ;S  
721C : INSCH LEVEL @ 1 = 0BRANCH 0008 0 LEVEL ! HOVER @ -DUP 0BRANCH 000A >BOT 0 HOVER ! \*>TOP 1 `MODE ! ;S  
7200 : SENTKEY END-WORD? DROP 1 WASPUNKED ! END-SENT? DROP ;S  
71DA : SPACE-BAR DROP INS-SP? 0= MODE 1 > OR 0BRANCH 0006 MODE NOISY-STEP ;S  
7185 : BACK-KEY DROP WORDMODE TWEEN 0= 0BRANCH 0016 BUMPY @ \*>TOP PUNKED @ WASPUNKED ! LIT FFFF STEP TWEEN 3 = 0BRANCH 0006 TOP>\* >BOT TWEEN 3 < 0BRANCH 0010 LIT 0007 SOUND TOP>\* BUMPY ! CHEK-WORD ;S  
7173 : <-KEY SUPER MINUS NOISY-STEP ;S

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7163 : ->KEY SUPER NOISY-STEP ;S

7151 : SUPER DROP MODE 1+ ;S

7124 : NOISY-STEP DUP DUP 0< 0BRANCH 000C MINUS LIT 0007 BRANCH 0006 LIT 0006 SO
UNDS STEP ;S

70FB : STEP DEPART 0 HOVER ! DUP 0< 0BRANCH 000C MINUS UNSHIFT? BKWD BRANCH 0006
UNSHIFT? FWD ;S

70E0 : UNSHIFT? DUP 1 > 0BRANCH 0004 UNSHIFT ;S

70CE : FWD MARK-> TYPE-SP BOT>***>TOP SP-> ;S

70A7 : BKWD DUP LIT 0004 = 0BRANCH 000A DROP TEXT-TOP BRANCH 000A <-MARK TYPE-SP
TOP>***>BOT ARRIVE? ;S

7080 : SP-> BOTTOM TOS DUP MIN-SP < 0= SWAP PARAMARK < AND 0BRANCH 0006 BOT> *>T
OP ;S

7053 : MARK-> BOTTOM TOS DUP MIN-SP < 0= SWAP END-MARK < AND 0BRANCH 000A BOT> *
>TOP BRANCH FFE2 ;S

7026 : <-MARK TOP TOS DUP END-MARK < SWAP MIN-SP < 0= AND 0BRANCH 000A TOP>* >BO
T BRANCH FFE2 ;S

6FDF : DEPART END-WORD? DROP TWEEN 3 = 0BRANCH 0018 BOTTOM TOS-TYPE LIT 0004 = 0
BRANCH 0006 TOP>* DROP BRANCH 0012 BOTTOM TOS-TYPE 2 > 0BRANCH 0006 END-SENT? DR
OP CLRPUNC CLRWAS ACTIVE ;S

6FC5 : INS-SP? END-WORD? -DUP 0= 0BRANCH 0004 END-SENT? ;S

6F93 : END-SENT? WASPUNKED @ TWEEN 1 = AND DUP 0BRANCH 000C TOP>* DROP SENTMARK
*>TOP ACTIVE 0 WASPUNKED ! ;S

6F53 : END-WORD? TWEEN 0= DUP 0BRANCH 0028 PUNKED @ WASPUNKED ! SPACER *>TOP 0 H
OVER ! LEVEL @ 3 < 0BRANCH 0008 0 LEVEL ! ACTIVE ;S

6F3D : ANDIF COMPILE DUP IF COMPILE DROP ;S

6F28 : ORIF COMPILE -DUP COMPILE 0= IF ;S

6EED : ERAC TOP>* DROP TWEEN 3 = 0BRANCH 0020 CLRPUNC 1 CAP ! BOTTOM TOS-TYPE 3
= 0BRANCH 0008 BOT> HOVER ! BRANCH 0004 CHEK-WORD ACTIVE ;S

6EC5 : CHEK-WORD SPACER >BOT CLRPUNC SPACER TOP>***>BOT TOP>* *>TOP ARRIVE? SPAC
ER BOT>***>TOP BOT> DROP ;S

6EAE : ACTIVE MODE DROP SPACER BUMPY ! ;S

6E8F : TEXT-TOP HOME TOP BOTTOM END-MARK XFER BANNER CR AT-LEFT ;S

6E7A : WORDMODE 1 ^MODE ! ;S

6E63 : MODE ^MODE @ ABS DUP ^MODE ! ;S

6E43 : UNSHIFT LEVEL @ 0BRANCH 000C 2 SOUND 0 LEVEL ! ;S

6E37 : BUMPY 0F21

6E2B : HOVER 0F21

6E1F : ^MODE 0F21

6E10 : JUST-ESC 0F21

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6E04 : LEVEL 0F21

6DAA : NOISE-KEY DROP MUFF @ SDUP LIT 0008 = EH? 0BRANCH 000A LIT 0006 BRANCH 00  
2A LIT 0006 = EH? 0BRANCH 0008 2 BRANCH 0018 2 = EH? 0BRANCH 0008 0 BRANCH 0008  
2DROP LIT 0008 MUFF ! CACOPH ;S

6D79 : CACOPH LIT 0008 0 (DO) I SOUND I 1+ MUFF @ < 0BRANCH 0008 PAUSE PAUSE PAU  
SE (LOOP) FFE6 ;S

6D40 : SOUNDS SWAP -DUP 0BRANCH 0024 0 SWAP 0 (DO) -DUP 0BRANCH 000C 0 (DO) PAUS  
E (LOOP) FFFC DUP (SOUND) (LOOP) FFEA DROP DROP ;S

6D30 : SOUND (SOUND) DROP ;S

6C6A : (SOUND) DUP MUFF @ < 0BRANCH 00AA 0 SWAP SDUP 0 = EH? 0BRANCH 000C LIT 00  
07 EMIT BRANCH 008C 1 = EH? 0BRANCH 000A CLUCK 1+ BRANCH 007A 2 = EH? 0BRANCH 00  
0A CLACK 1+ BRANCH 0068 3 = EH? 0BRANCH 000E 0 2 UP- SWEEP BRANCH 0052 LIT 0004  
= EH? 0BRANCH 00 10 LIT 0046 1 UP- SWEEP BRANCH 0038 LIT 0005 = E  
H? 0BRANCH 000E 0 2 DWN- SWEEP BRANCH 0020 DROP LIT 0005 LIT 0014 OSC LIT 0007 =  
0BRANCH 0008 PAUSE CLUCK 1+ 1+ BRANCH 0006 DROP 0 ;S

6C59 : DWN- LIT FFFF CLICKER ;S

6C49 : UP- CLICKER LIT FFFF ;S

6C3E : MUFF 0F21

6C14 : CLUCK 1 LIT 0004 OSC LIT 003C 0 (DO) (LOOP) FFFE LIT 0005 LIT 0004 OSC ;S

6BFE : CLACK LIT 000A LIT 0004 OSC/2 ;S

6BE6 : PAUSE LIT 0177 0 (DO) (LOOP) FFFE ;S

6BC4 : OSC/2 0 (DO) GLICK DUP 0 (DO) (LOOP) FFFE (LOOP) FFF2 DROP ;S

6BA2 : OSC 0 (DO) GLICK DUP 0 GLICK (DO) (LOOP) FFFE (LOOP) FFF0 DROP ;S

6B90 : GLICK 0 CLICKER C! ;S

6B78 : CLICK 0 0 CLICKER C! CLICKER C! ;S

6B6A : CLICKER 0F05

6B09 : SWEEP 6B13

6AF5 : BOT>\*\*\*>TOP B>\*\*\*>T ;S

6AE5 : \*>TOP POUR >TOP ;S

6AC7 : ARRIVE? LOST @ 0BRANCH 0008 ARRIVE BRANCH 0004 SENTCAP? ;S

6A7A : ARRIVE CUT-MARK >BOT TWEEN LIT 0004 < 0BRANCH 0016 TOP>\* >BOT WORD1 @ 0BR  
ANCH FFF6 SPACER TOP>\*\*\*>BOT BRANCH 0008 WORD1-BIT WORD1 ! 0 CH C! 0 LOST ! SENT  
CAP? CUT-MARK B>\*\*\*>T BOT> DROP ;S

6A34 : TOP>\*\*\*>BOT DIME ! TOP S-CS ! DONE 0= 0BRANCH 0024 TOP 'TOS BOTTOM PREPUS  
H TOP #CHARS BOTTOM @ MIN (T>\*>B) DUP TOP #CPOPPED BOTTOM #CPUSHED BRANCH FFD8 ;  
S

69E4 : (T>\*>B) 0 SWAP 0 (DO) DROP OVER I + C@ DUP DIME @ < 0BRANCH 0016 DUP UNPO  
UR OVER I - C! I 1+ BRANCH 0008 DROP I LEAVE (LOOP) FFCE ROT ROT 2DROP ;S

69A2 : B>\*\*\*>T DIME ! BOTTOM S-CS ! DONE 0= 0BRANCH 0024 BOTTOM 'TOS TOP PREPUSH  
BOTTOM #CHARS TOP @ MIN (B>\*>T) DUP BOTTOM #CPOPPED TOP #CPUSHED BRANCH FFD8 ;S

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6954 : (B>*>T) 0 SWAP 0 (DO) DROP OVER I + C@ DUP DIME @ < 0BRANCH 0014 POUR OVE
R I - C! I 1+ BRANCH 0008 DROP I LEAVE (LOOP) FFD0 ROT ROT 2DROP ;S

6942 : TOP>* TOP> DUP UNPOUR ;S

68AD : UNPOUR DUP MIN-SP < 0= 0BRANCH 001A WORD1 @ 0BRANCH 0004 AT-LEFT DUP WORD
1-BIT AND WORD1 ! BRANCH 000A LIT FFFF WORD-LEN +! CH C@ OVER CH-SIZE - DUP 0< 0
BRANCH 0038 DROP DUP END-MARK < 0= CV C@ 0= UNLF LIT 0026 CH C! OVER 0BRANCH 000
4 BANNER? OR DUP LOST ! 0= 0BRANCH 0004 GROPE BRANCH 0006 CH C!
PARAMARK < 0= 0BRANCH 0008 0 LOST ! ;S

6877 : GROPE CV C@ BCALC CH C@ 1 - 2DUP + C@ BL LIT 0080 + - 0BRANCH FFEA 1+ CH
C! DROP ;S

6858 : POUR DUP MIN-SP < 0BRANCH 000A DUP NON-SP-POUR BRANCH 0004 SP-POUR ;S

67F6 : NON-SP-POUR CH C@ LIT 0025 > 0BRANCH 003C CH C@ WORD-LEN @ - NEXT-LINE AT
-LEFT CV C@ 1 - BCALC + DUP CURS-ADR WORD-LEN @ CMOVE WORD-LEN @ BL LIT 0080 +
FILL WORD-LEN @ CH +! (>SCR) 1 WORD-LEN +! ;S

67DD : (>SCR) DUP CHEKCHAR CAPIZE? `SCREMIT @ EXECUTE ;S

67CE : `SCREMIT 0F21

6774 : SP-POUR DUP DUP SENTMARK < 0= CAP ! DUP CH-TYPE 3 - 0BRANCH 000A CH-SIZE
SPACES BRANCH 0016 DROP CH C@ 0BRANCH 0004 NEXT-LINE AT-LEFT LIT 0005 SPACES 0 W
ORD-LEN ! HI-BITS AND WORD1 @ OR 0 WORD1 ! ;S

6758 : NEXT-LINE LIT 0028 CH C@ - SPACES ;S

6738 : AT-LEFT WORD1-BIT WORD1 ! 0 LOST ! 0 CH C! ;S

672C : WORD1 0F21

671D : WORD-LEN 0F21

6712 : LOST 0F21

66EC : BANNER? CV C@ 2 < 0BRANCH 000E UNLF UNLF 0 CH C! BANNER ;S

6686 : BANNER (".") 50 JOT(TM) VERSION 0.53 (C) 1986 TED NELSON . . . .
. . . . " LIT 0026 SPACES ;S

6658 : MULTI<- CH C@ SWAP - DUP 0< 0BRANCH 000E UNLF LIT 0028 + BRANCH FFEE CH C
! ;S

6649 : LF LIT 000A EMIT ;S

662E : UNLF CV C@ 0BRANCH 0008 UP BRANCH 0004 SCROLLDOWN ;S

661F : UP LIT FC1A CALL ;S

65D4 : SCROLLDOWN LIT 0017 BCALC LIT FFFF LIT 0016 (DO) I BCALC DUP ROT LIT 0028
CMOVE LIT FFFF (+LOOP) FFEC DROP 0 BCALC LIT 0028 BL LIT 0080 + FILL ;S

6599 : CHEKCHAR SDUP LIT 005D = EH? 0BRANCH 0006 BRANCH 001C LIT 0040 < EH?> 0BR
ANCH 000C PUNCT @ EXECUTE BRANCH 0006 2DROP CLRPUNC ;S

6587 : PUNCT BL - (PUNCT) ;S

6573 : SETPUNC 1 PUNKED ! ;S

655F : CLRPUNC 0 PUNKED ! ;S

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654C : CLRWAS 0 WASPUNKED ! ;S  
653C : WASPUNKED 0F21  
652F : PUNKED 0F21  
64E1 : (PUNCT) 13DA  
63D6 : KEYT 13DA  
63B0 : REVCAPS DUP DUP LETTER? = 0BRANCH 000C INVERSE EMIT INVERSE BRANCH 0004 ALLCAPS ;S  
639C : ALLCAPS CAPIZE DROP EMIT ;S  
6380 : CAPIZE? CAP @ 0BRANCH 0008 CAPIZE CAP ! ;S  
635D : CAPIZE DUP LETTER? -DUP 0BRANCH 000C SWAP DROP 0 BRANCH 0004 1 ;S  
632D : LETTER? LIT FFDF AND DUP DUP LIT 0041 < SWAP LIT 005A > OR 0BRANCH 0006 DROP 0 ;S  
6314 : SENTCAP? TWEEN 1 > CAP ! ;S  
630A : CAP 0F21  
62F6 : LIKEY BL CURS-ADR C! DARKEY ;S  
62DB : CURS-ADR CV C@ BCALC CH C@ + ;S  
62C8 : DARKEY KEY? 0BRANCH FFFC ;S  
62B0 : INVERSE LIT 0032 LIT 00C0 TOGGLE ;S  
6299 : KEY? ?KEY DUP 0BRANCH 0006 KEY SWAP ;S  
6284 : ?KEY KBD C@ LIT 007F > ;S  
626F : CHV! CH ! LIT FC22 CALL ;S  
6265 : KBD 0F05  
624E : CURS-SIZE 13DA  
6239 : CH-SIZE 13DA  
6229 : TWEEN TOP TOS-TYPE ;S  
6216 : TOS-TYPE TOS CH-TYPE ;S  
61C0 : CH-TYPE SDUP MIN-SP < EH? 0BRANCH 0008 0 BRANCH 0038 SENTMARK < EH? 0BRANCH 0008 1 BRANCH 0028 PARAMARK < EH? 0BRANCH 0008 2 BRANCH 0018 END-MARK < EH? 0BRANCH 0008 3 BRANCH 0008 2DROP LIT 0004 ;S  
618E : DEFAULT CASES @ DUP 0BRANCH 0010 0 (DO) THEN (LOOP) FFFC BRANCH 0004 DROP LIT 0005 ?PAIRS CASES ! ;S  
6176 : CASE> 1 CASES +! COMPILE EH?> IF ;S  
615F : CASE 1 CASES +! COMPILE EH? IF ;S  
6140 : SWITCH CASES @ 0 CASES ! LIT 0005 COMPILE SDUP ;S  
6127 : EH?> 0BRANCH 0008 1 BRANCH 0006 DUP 0 ;S  
610D : EH? 0BRANCH 000A DROP 1 BRANCH 0006 DUP 0 ;S



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6100 : SDUP DUP ;S

60F4 : CASES 0F21

60DF : SW-STUFF 13DA

608C : XFER DIME ! D-CS ! S-CS ! DONE 0= 0BRANCH 0036 S-CS @ ^TOS D-CS @ PREPUSH
S-CS @ #CHARS D-CS @ @ MIN LIT 00FF MIN MLXFER DUP S-CS @ #CPOPPED D-CS @ #CPUS
HED BRANCH FFC6 ;S

605B : DONE S-CS @ DUP LIT 0004 + @ 0= 0BRANCH 000A DROP 1 BRANCH 000C TOS DIME
@ < 0= ;S

6050 : D-CS 0F21

6045 : S-CS 0F21

6036 : >= (MACRO) < 0= ;S

6029 : <> (MACRO) - ;S

601A : <= (MACRO) > 0= ;S

600C : NOT (MACRO) 0= ;S

5FCC : MLXFER 5FD7

5FC1 : DIME 0F21

5EE2 : CLEAR-TEXT EMPTY-BUFFERS FREE-ALL END-MARK >TOP END-MARK >BOT ;S

5ECE : LOAD-TEXT INDX LOAD-INDEX ;S

5E9D : LOAD-INDEX EMPTY-BUFFERS DUP BLOCK PTR ! FREE-BLOCKS LOAD-BUNCH TOP LOAD-
CS DELETE-BUFFER LOAD-CS BOTTOM LOAD-CS SLURP-BUFFER LOAD-CS FLUSH-ONE ;S

5E7F : LOAD-CS DUP LIT 0004 LOAD-BYTES LIT 0004 + LOAD-BUNCH ;S

5E64 : LOAD-BUNCH PTR @ @ 2+ LOAD-BYTES ;S

5E43 : LOAD-BYTES PTR @ OVER PTR +! ROT ROT CMOVE ;S

5E30 : SAVE-KEY DROP SAVE-TEXT ;S

5E1A : SAVE-TEXT INDX WRITE-INDEX WRITE-ALL ;S

5DE8 : WRITE-INDEX DUP BUFFER PTR ! FREE-BLOCKS SAVE-BUNCH TOP SAVE-CS DELETE-BU
FFER SAVE-CS BOTTOM SAVE-CS SLURP-BUFFER SAVE-CS UPDATE FLUSH-ONE ;S

5DCA : SAVE-CS DUP LIT 0004 SAVE-BYTES LIT 0004 + SAVE-BUNCH ;S

5DB1 : SAVE-BUNCH DUP @ 2+ SAVE-BYTES ;S

5D92 : SAVE-BYTES PTR @ SWAP DUP PTR +! CMOVE ;S

5D88 : PTR 0F21

5D79 : >SIP SLURP-BUFFER CPUSH ;S

5D6A : >DEL DELETE-BUFFER CPUSH ;S

5D5B : >BOT BOTTOM CPUSH ;S

5D4C : >TOP TOP CPUSH ;S

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5D32 : CPUSH SWAP OVER PREPUSH C! 1 SWAP #CPUSHED ;S
5D0D : #CPUSHED SWAP DUP 0BRANCH 000C MINUS SWAP +! BRANCH 0006 SWAP #CPOPPED ;S
5CD3 : PREPUSH DUP @ 0= 0BRANCH 001C 1 OVER LIT 0004 + +! ALLOC OVER ^TOS-BLK C!
  B/BUF OVER ! ^TOS 1 - UPDATE ;S
5CC3 : SIP>? SLURP-BUFFER CPOP? ;S
5CB3 : DEL>? DELETE-BUFFER CPOP? ;S
5CA4 : BOT> BOTTOM CPOP ;S
5C95 : TOP> TOP CPOP ;S
5C6A : EMPTY-CSTACK DUP LIT 0004 + @ 0BRANCH 000A DUP POP-BLK BRANCH FFEC DROP ;
S
5C4E : CPOP CPOP? 0= 0BRANCH 000B (".") 04 CPOP" QUIT ;S
5C1E : CPOP? DUP LIT 0004 + @ 0= 0BRANCH 000A DROP 0 BRANCH 000E DUP TOS 1 ROT #
CPOPPED 1 ;S
5BED : #CPOPPED SWAP -DUP 0BRANCH 001A OVER +! DUP #CHARS 0BRANCH 0008 DROP BRAN
CH 0004 POP-BLK BRANCH 0004 DROP ;S
5BB8 : FREE-ALL 0 FREE-BLOCKS ! BLKN 1+ BLK1 (DO) I FREE (LOOP) FFFA DELETE-BUFF
ER CLR-CSTK TOP CLR-CSTK SLURP-BUFFER CLR-CSTK BOTTOM CLR-CSTK ;S
5B8E : POP-BLK DUP ^TOS-BLK C@ FREE LIT FFFF OVER LIT 0004 + +! 0 SWAP ! ;S
5B75 : FREE 1 FREE-BLOCKS +! DUP FREE-BUFFER LAST-FREE C! ;S
5B33 : ALLOC FREE-BLOCKS @ 0BRANCH 0012 LAST-FREE C@ LIT FFFF FREE-BLOCKS +! BRA
NCH 001A (".") 13 OUT OF DISK BLOCKS!" QUIT DUP BUFFER DROP ;S
5B19 : LAST-FREE FREE-BLOCKS DUP @ + 1+ ;S
5B0A : RES-FREE 0F21
5A6C : FREE-BLOCKS 0F21
5A41 : TURKEY QUIT CFA DUP DUP LITW 2675 ! LITW 4A81 ! LIT 5A4C ! SAVETURNKEY ;
S
5A22 : PEEK LIT 0006 + SWAP B/BUF /MOD ROT + C@ TH-CHAR ;S
5A06 : TH-CHAR BLOCK B/BUF ROT 1+ - + C@ ;S
59EF : ^BOT-BLK (MACRO) LIT 0006 + ;S
59D0 : SIZE DUP LIT 0004 + @ B/BUF * SWAP @ - ;S
592B : SLURP-BUFFER 13DA
588C : BOTTOM 13DA
57E6 : DELETE-BUFFER 13DA
574A : TOP 13DA
5721 : CLR-CSTK 0 OVER ! 0 OVER LIT 0004 + ! 0 SWAP 2+ ! ;S
5713 : TOS ^TOS C@ ;S

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56FA : ^TOS DUP ^TOS-BLK C@ BLOCK SWAP @ + ;S
56E6 : TOS-BLK (MACRO) ^TOS-BLK C@ ;S
56C9 : ^TOS-BLK LIT 0004 + DUP @ + 1+ ;S
56B8 : #RES (MACRO) 2+ @ ;S
56A8 : ^#RES (MACRO) 2+ ;S
568F : EMPTY? (MACRO) LIT 0004 + @ 0= ;S
5679 : #BLKS (MACRO) LIT 0004 + @ ;S
5664 : ^#BLKS (MACRO) LIT 0004 + ;S
564F : #CHARS B/BUF SWAP @ - ;S
563F : #FREE (MACRO) @ ;S
5630 : ^#FREE (MACRO) ;S
560F : CSTACK <BUILDS 0 , 0 , 0 , B/DSK ALLOT DOES> ;S
5604 : "ESC 0F05
55F4 : BACKSLASH 0F05
55EA : "-> 0F05
55E0 : "<- 0F05
55CB : TYPE-SP 13DA
55BB : WORD1-BIT 0F05
55AD : HI-BITS 0F05
559E : LOW-BITS 0F05
558F : END-MARK 0F05
5580 : CUT-MARK 0F05
5571 : PARAMARK 0F05
5562 : SENTMARK 0F05
5555 : SPACER 0F05
5548 : MIN-SP 0F05
553D : BLKN 0F05
5532 : BLK1 0F05
5527 : INDX 0F05
551C : NOP 5524
54F9 : CTABLE <BUILDS CFA , DOES> SWAP OVER @ EXECUTE + 2+ C@ ;S
54A3 : NCOPIES >R SWAP R> OVER - >R R ROT ROT R> 0< 0BRANCH 000A SWAP 1+ BRANCH
0006 1 - SWAP (DO) I OVER I + UNCLOG OVER . (COPY) DUP SIGNUM MINUS (+LOOP) FFE8
DROP FLUSH ;S

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5476 : SIGNUM DUP 0< 0BRANCH 000C DROP LIT FFFF BRANCH 0010 0= 0BRANCH 0008 0 BR
ANCH 0004 1 ;S

5457 : NWIPES 1+ SWAP (DO) I UNCLOG (WIPE) (LOOP) FFF8 FLUSH ;S

5438 : UNCLOG 32K-1 LOOK-RES? 0BRANCH 0008 DROP BRANCH 0006 DROP FLUSH ;S

5428 : 1WIPE (WIPE) FLUSH ;S

53F9 : (WIPE) B/SCR * DUP B/SCR + SWAP (DO) I BLOCK LIT 0400 LIT 0020 FILL UPDAT
E (LOOP) FFEE ;S

53E9 : 1COPY (COPY) WRITE-ALL ;S

53B4 : (COPY) B/SCR * OFFSET @ + SWAP B/SCR * DUP B/SCR + SWAP (DO) DUP I REASSI
GN 1+ (LOOP) FFF6 DROP ;S

537A : WRITE-ALL LIMIT @ FIRST @ (DO) I @ DUP 32K-1 - 0BRANCH 000A UNSIGN WRITE-
ONE BRANCH 0004 DROP LIT 0404 (+LOOP) FFE2 ;S

5364 : FLUSH-ONE DUP WRITE-ONE EMPTY-BUFFER ;S

534A : FREE-BUFFER RESIDENT? 0BRANCH 0004 CHUCK ;S

5327 : EMPTY-BUFFER RESIDENT? 0BRANCH 000C DUP LIT 0400 ERASE CHUCK ;S

52F5 : WRITE-ONE UPDATED? 0BRANCH 001C DUP 2 - DUP @ UNSIGN DUP ROT ! 0 &R/W BRA
NCH 0004 DROP ;S

52DA : UPDATED? BLOCK DUP 2 - @ 0< ;S

52C3 : >BLK LIT 0404 * FIRST @ + ;S

5283 : RLIST LIMIT @ FIRST @ (DO) I @ 32K-1 - 0BRANCH 0018 I @ 0< 0BRANCH 0006 (
.) 01 * " I @ UNSIGN . LIT 0404 (+LOOP) FFD8 ;S

523C : BLK> DUP DUP FIRST @ LIT 0404 - U< BLK? LIMIT @ OVER U< BLK? FIRST @ LIT
0404 - - 0 LIT 0404 U/ ROT ROT BLK? DROP 1 - ;S

5219 : BLK? 0BRANCH 0016 U. (.) 0D =BLOCK.ADR-2?" QUIT ;S

5203 : CHUCK 2 - 32K-1 SWAP ! ;S

51E2 : REASSIGN BLOCK 2 - 2DUP ! SWAP BLK-TAB ! UPDATE ;S

51BB : BUFFER DUP RESIDENT? 0BRANCH 000A SWAP DROP BRANCH 000C OFFSET @ + BUFFER
NOTE-RES ;S

519B : BLOCK DUP RESIDENT? 0BRANCH 000A SWAP DROP BRANCH 0006 BLOCK NOTE-RES ;S

517C : NOTE-RES DUP 2 - DUP @ UNSIGN BLK-TAB ! ;S

5160 : #BUFS LIMIT @ FIRST @ - LIT 0404 / ;S

50FC : RESIDENT? OFFSET @ + DUP ?BLK BLK-TAB 2DUP @ @ UNSIGN = 0BRANCH 000E SWAP
DROP @ 1 BRANCH 001C SWAP LOOK-RES? 0BRANCH 000E DUP ROT ! 1 BRANCH 0008 DROP D
ROP 0 0BRANCH 0010 DUP PREV ! 2+ 1 BRANCH 0004 0 ;S

50CA : ?BLK DUP 0 < OVER DISKMAX @ > OR 0BRANCH 0015 . (.) 0C DISK BLOCK? " QUI
T ;S

4E8C : BLK-TAB 13DA

4E77 : CARRAY <BUILDS ALLOT DOES> + ;S

4E62 : STUFFS (´) ROT ROT (STUFFS) ;S

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4E3F : (STUFFS) 1+ SWAP (DO) I OVER (STUFF) 2 (+LOOP) FFF6 DROP ;S
4E2F : STUFF (´) (STUFF) ;S
4E19 : (STUFF) 2 - SWAP ! ;S
4DFF : ARRAY <BUILDS 2* ALLOT DOES> SWAP 2* + ;S
4DF0 : 2* (MACRO) DUP + ;S
4DDC : MACRO ?COMP IMMEDIATE COMPILE (MACRO) ;S
4D8C : (MACRO) STATE @ 0BRANCH 003C GRAB 2+ DUP LITW 0C39 - 0BRANCH 0026 DUP CFA
, DUP LITW 08A0 = SWAP LITW 4386 = OR 0BRANCH 0006 GRAB , BRANCH FFCE DROP R> D
ROP ;S
4D70 : CGRAB R> R C@ R> 1+ >R SWAP >R ;S
4D55 : GRAB R> R @ R> 2+ >R SWAP >R ;S
4D40 : J 4D46
4D2A : I´ 4D31
4CAE : LOOK-RES? 0 LIMIT @ FIRST @ (DO) OVER I @ UNSIGN = 0BRANCH 000E 2DROP I 1
LEAVE BRANCH 0006 I NOTE-IF-FREE B/BUF LIT 0004 + (+LOOP) FFD8 ;S
4C7D : NOTE-IF-FREE DUP @ 32K-1 = 0BRANCH 0012 -BUF DUP USE ! PREV ! BRANCH 0004
DROP ;S
4C5A : -BUF DUP FIRST @ = 0BRANCH 0008 DROP LIMIT @ LIT 0404 - ;S
4C49 : UNSIGN 32K-1 AND ;S
4C3D : 32K-1 0F05
4A97 : EDIT: LOOKUP EDIT ;S
4A78 : EDIT QUIT ED-SCR ! 0 ED-CV ! 0 ED-CH ! RE ;S
4A6B : RE ?STACK EDIT-LOOP ;S
4881 : INCLUDE TASTE 0BRANCH 000A BL WORD BRANCH 0006 LOOKUP LOAD ;S
485C : LOOKUP LOOKUP? 0= 0BRANCH 0012 CR HERE COUNT TYPE (".") 03 !!" QUIT ;S
47F6 : LOOKUP? BL WORD BL APPEND-CHAR OFFSET @ >R BLK @ B/DSK / B/DSK * OFFSET!
BASE @ >R DECIMAL (LOOKUP?) 0BRANCH 0008 1 BRANCH 0006 SUMMARIZE (LOOKUP?) R> BA
SE ! OFFSET @ R - SWAP 0BRANCH 000A + 1 BRANCH 0006 DROP 0 R> OFFSET! ;S
47D2 : APPEND-CHAR HERE C@ 1+ DUP HERE C! HERE + C! ;S
477A : (LOOKUP?) 0 LOOK1 DUP LOOKS + SWAP (DO) I IN-INDEX 0BRANCH 000A ROT DROP
1 LEAVE (LOOP) FFEE 0BRANCH 0022 OVER BLOCK LIT 0024 SWAP -TEXT 0= 0BRANCH 0008
1 BRANCH 0006 DROP 0 BRANCH 0004 0 ;S
470B : IN-INDEX BLOCK 0 OVER LIT 0017 LIT 0028 * + ROT LIT 0050 + (DO) I LIT 000
4 + LOOKPTR ! IN-LIST 0BRANCH 000A DROP I 1 LEAVE LIT 0028 (+LOOP) FFE0 0BRANCH
001E DUP C@ BL = 0BRANCH 0008 1+ BRANCH FFF0 -NUMBER 1+ 1 BRANCH 0004 0 ;S
46E9 : -NUMBER LIT 0000 LIT 0000 ROT 1 - (NUMBER) SWAP DROP ;S
46B5 : IN-LIST 0 LPAR SAME-WORD 0BRANCH 001E -BL RPAR SAME-WORD 0= 0BRANCH 0012
HERE SAME-WORD 0BRANCH 0006 DROP 1 BRANCH FFE6 ;S

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46A7 : RPAR 13DA
4699 : LPAR 13DA
467B : -BL NEXTCHAR BL = 0BRANCH FFF8 NEXTCHAR BL - 0BRANCH FFF8 ;S
4661 : SAME-WORD COUNT LOOKPTR @ -TEXT 0= ;S
4646 : NEXTCHAR LOOKPTR 1 OVER +! @ C@ ;S
4638 : LOOKPTR 0F21
4625 : I6 LOOK1 LIT 0005 + L ;S
4616 : I3 LOOK1 2+ L ;S
4603 : I5 LOOK1 LIT 0004 + L ;S
45F4 : I2 LOOK1 1+ L ;S
45E3 : I4 LOOK1 3 + L ;S
45D6 : I1 LOOK1 L ;S
45B6 : SUMMARIZE LOOKS 0 (DO) I 1+ SUM (LOOP) FFF8 ;S
4594 : SUM 1 - DUP LOOK1 + SWAP 2 * SEEN + @ (SUM) ;S
454D : (SUM) DUP LIT 0014 + HOME (".") 03 ( " OVER . DUP . (".") 0A INDEX ) ;S" I
INDEX CV C@ LIT 0016 < 0BRANCH 0004 QUIT LOAD-BUFFER UPDATE ;S
4538 : SEEN 0F21
452C : LOOKS 0F05
4520 : LOOK1 0F05
4505 : : " <BUILDS LIT 0022 WORD HERE C@ 1+ ALLOT DOES> ;S
44E7 : CTRL- INPTR C@ LIT 0040 - 1 IN +! LITERAL ;S
44D3 : " INPTR C@ 1 IN +! LITERAL ;S
44AD : INPTR BLK @ -DUP 0BRANCH 0008 BLOCK BRANCH 0006 TIB @ IN @ + ;S
446F : FORGET TASTE 0BRANCH 000D (".") 02 - " FORGET BRANCH 0022 BL WORD BLK @ 0=
0BRANCH 0014 (".") 01 " HERE COUNT TYPE (".") 03 ? " KEY ;S
4457 : TASTE IN @ EXISTS SWAP IN ! ;S
4438 : EXISTS -FIND 0BRANCH 000C DROP DROP 1 BRANCH 0004 0 ;S
4424 : --> ?TERMINAL 0BRANCH 0004 QUIT --> ;S
43F4 : LOAD >R ?STACK R> 1 WARNING ! ?TERMINAL 0BRANCH 0004 QUIT (".") 01 [ " LOAD
LIT 0008 EMIT (".") 02 ] " ;S
43EB : S0 0FA2
43DF : ´ (´) LITERALW ;S
43CB : (´) -FIND 0= 0 ?ERROR DROP ;S
43BC : >V CONTEXT ! DEFINITIONS ;S
43AF : V> CURRENT @ ;S

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4392 : LITERALW STATE @ 0BRANCH 0008 COMPILE LITW , ;S
437D : LITW R @ R> 2+ >R ;S
436F : #2! B/DSK OFFSET! ;S
4361 : #1! 0 OFFSET! ;S
4341 : OFFSET! OFFSET @ - -DUP 0BRANCH 0008 FLUSH OFFSET +! ;S
4334 : #2 B/DSK + ;S
4328 : B/DSK 0F05
3D39 : TASK ;S
3D00 : SEARCH 1+ SWAP (DO) I DUP SCOPY SRCH EFL @ 0BRANCH 000A EDIT LEAVE BRANCH
      0004 DROP (LOOP) FFE4 LIT 0017 0 VHTAB ;S
3CA1 : SRCH 0 EFL ! LIT 0018 0 (DO) I DUP BCALC LIT 0028 0 (DO) I OVER + #CHRS @
      SLINE -TEXT 0= 0BRANCH 001A OVER I VHTAB KEY LIT 0045 = 0BRANCH 0008 1 EFL ! (L
      OOP) FFD2 DROP DROP (LOOP) FFBC ;S
3C90 : ST SLINE #CHRS @ TYPE ;S
3C73 : SW CR (".") 05 WORD?" SLINE LIT 0028 EXPECT COUNT-CHRS ;S
3C38 : COUNT-CHRS 0 #CHRS ! SLINE DUP C@ 0BRANCH 001C DUP C@ LIT 0080 OR OVER C!
      1+ 1 #CHRS +! BRANCH FFE0 ;S
3C2E : EFL 0F21
3C22 : #CHRS 0F21
3BEE : SLINE 0F21
3BA3 : SCAN CR LIT 0020 0 (DO) LIT 0007 SPACES I DUP LIT 0040 + EMIT LIT 0007 SP
      ACES 2 * CTRL + @ 2+ NFA ID. CR ?TERMINAL 0BRANCH 0004 LEAVE (LOOP) FFCC ;S
3B96 : EDIT EDIT ;S
342A : EDITOR 13DA
341A : MON LIT FF69 CALL ;S
3407 : DEMO EMPTY-BUFFERS LIT 0070 LOAD ;S
33A7 : LIT 0016 0 VHTAB SLOT @ PR CR LIT 7FFF BUFFER DUP LIT 0018 0 (DO) DUP I
      BSTR LIT 0028 + (LOOP) FFF2 DROP LIT 0018 0 (DO) CR DUP LIT 0028 -TRAILING TYPE
      LIT 0028 + (LOOP) FFEC DROP CR 0 PR ;S
337C : LS 1+ SWAP (DO) CR I LIST I 2 MOD 0BRANCH 0008 LIT 000C EMIT (LOOP) FFE8
      CR ;S
3362 : VLINE 336C
3348 : HLINE 3352
332F : SCRIN 3338
331C : PLOT 3325
330A : COLOR 3314
32DD : TEXT LIT 0017 LIT 0025 C! LIT 1800 LIT 0022 ! LIT 2800 LIT 0020 ! (TXT) C

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R ;S

32B6 : GR (GR) LIT C053 C@ LIT C056 C@ LIT 0014 LIT 0022 C! DROP DROP CLEAR ;S

3294 : CLEAR LIT 0014 0 (DO) I BCALC LIT 0028 ERASE (LOOP) FFF4 ;S

3278 : (TXT) LIT C051 C@ LIT C054 C@ DROP DROP ;S

3259 : (GR) LIT C050 C@ DROP LIT 0017 LIT 0025 C! CR ;S

323F : L DUP SCR ! SCOPY LIT 0016 0 VHTAB QUIT ;S

3213 : SCOPY BLOCK DUP LIT 0018 0 (DO) I SBTR LIT 0028 + DUP (LOOP) FFF2 DROP DROP ;S

31EE : BSTR 31F7

31C9 : SBTR 31D2

3169 : CODE ?EXEC CREATE SMUDGE ASSEMBLER MEM !CSP LATEST PFA DUP 2 - ! ;S

2B78 : ASSEMBLER 13DA

2B65 : RAND URAND U\* SWAP DROP ;S

2B3F : URAND RSEED @ LIT 2725 U\* LIT 3947 S->D D+ DROP DUP RSEED ! ;S

2B33 : RSEED 0F21

2AC9 : BUFFERS FLUSH LIMIT @ HERE LIT 0200 + - LIT 0404 / MIN 1 MAX LIT 0404 \* L  
LIMIT @ SWAP - FIRST ! FIRST @ DUP USE ! DUP PREV ! DUP LIT 0022 +ORIGIN ! DUP LI  
T 0026 +ORIGIN ! LIT 0028 +ORIGIN ! EMPTY-BUFFERS ;S

2A75 : BACKUP OVER OVER SWAP - LIT 0404 \* FIRST @ + LIMIT @ U< 0= 0BRANCH 0015 C  
R (".") 08 TOO MANY" DROP DROP QUIT EMPTY-BUFFERS 1+ SWAP (DO) I BLOCK UPDATE DRO  
P (LOOP) FFF6 ;S

2A40 : DUMP BASE C@ >R HEX OVER + SWAP (DO) I .ROW ?TERMINAL 0BRANCH 0004 LEAVE  
LIT 0008 (+LOOP) FFEE R> BASE C! ;S

2A2D : .ROW CR .ADDRESS .VALUES .ASCII ;S

29F8 : .ASCII DUP LIT 0008 + SWAP (DO) I C@ DUP LIT 0021 < 0BRANCH 0008 DROP LIT  
002E EMIT (LOOP) FFE6 ;S

29CE : .VALUES DUP LIT 0008 + OVER (DO) I C@ 3 .R (LOOP) FFF6 SPACE SPACE ;S

29B7 : .ADDRESS DUP LIT 0005 U.R ;S

2939 : SAVETURNKEY Y/NQUERY LIT 14C1 LFA DUP @ 0BRANCH 0016 DUP @ PFA LFA SWAP 0  
SWAP ! BRANCH FFE6 LIT 19F8 LIT 0021 + LATEST PFA CFA OVER ! LIT 0915 CFA OVER  
2+ ! LIT FFFC SWAP LIT 0004 + ! CR (".") 0B INSERT DISK" KEY DROP SAVESYSTEM BRAN  
CH FFE8 ;S

2927 : &KA 0F05

290F : &VRD 2918

28D2 : INITIALIZEDISK Y/NQUERY &RWTS-FMT LIT 7FFF BUFFER DUP LIT 0400 BLANKS LIT  
008C 0 (DO) DUP I 0 &R/W (LOOP) FFF6 DROP ;S

28B5 : SAVESYSTEM FORTH DEFINITIONS REBOOT &SIZE &DUMP-RWTS &DUMP-FORTH ;S

288F : &SIZE PAD 0 +ORIGIN - LIT 0100 /MOD SWAP 0BRANCH 0004 1+ SECTORS C! ;S

286F : &DUMP-FORTH SECTORS C@ 0 +ORIGIN 0 &KA &DISK-DUMP ;S



2850 : &DUMP-RWTS LIT 000A LIT B600 0 0 &DISK-DUMP ;S

27CB : &DISK-DUMP 0 &DRV DROP LIT B7ED C! LIT B7EC C! LIT B7F0 ! 2 LIT B7F4 C! &  
RWTS -DUP 0BRANCH 0004 ERRMSG LIT B7F1 C@ 1+ LIT B7F1 C! LIT B7ED C@ 1+ DUP LIT  
0010 = 0BRANCH 0014 LIT B7EC C@ 1+ LIT B7EC C! DROP 0 LIT B7ED C! 1 - DUP 0 = 0B  
RANCH FFB0 DROP ;S

2746 : &RWTS-FMT 0 &DRV DROP 1 LIT B7EB C! LIT 0004 LIT B7F4 C! CR CR (".") 0D FO  
RMTATTING..." CR CR &RWTS 0BRANCH 002D LIT FE80 CALL LIT 0087 EMIT (".") 10 FORMAT  
TING ERROR" LIT FE84 CALL QUIT BRANCH 0016 (".") 0F INITIALIZING..." CR ;S

2738 : SECTORS 0F05

2726 : GET EMPTY-BUFFERS LIT 0020 LOAD ;S

2715 : LOAD DUP . LOAD ;S

2700 : LK ´ + @ 2+ NFA ID. ;S

26DB : JOIN ´ ´ OVER OVER > 0BRANCH 0004 SWAP LFA SWAP NFA SWAP ! ;S

266B : VLIST QUIT OUT ! CONTEXT @ @ DUP C@ LIT 0020 AND 0= 0BRANCH 0032 DUP C@  
LIT 001F AND LIT 0004 + OUT @ + C/L @ > 0BRANCH 000A CR 0 OUT ! DUP ID. SPACE SP  
ACE PFA LFA @ DUP 0= ?TERMINAL OR 0BRANCH FFB0 DROP CR ;S

263B : INDEX CR 1+ SWAP (DO) CR I 3 .R SPACE 0 I .LINE ?TERMINAL 0BRANCH 0004 LE  
AVE (LOOP) FFE6 ;S

25D9 : LIST CR DUP SCR ! (".") 06 SCR # " . CR C/L @ LIT 0028 = 0BRANCH 000A LIT  
0018 BRANCH 0006 LIT 0010 0 (DO) CR C/L @ LIT 0028 - 0BRANCH 000A I 3 .R SPACE I  
SCR @ .LINE (LOOP) FFDE ;S

25A7 : VHTAB LIT 0027 MIN 0 MAX LIT 0024 C! LIT 0017 MIN 0 MAX LIT 0025 C! LIT F  
C22 CALL ;S

2560 : Y/NQUERY CR (".") 14 ARE YOU SURE? (Y/N):" KEY DUP EMIT LIT 0059 = 0= 0BRA  
NCH 000F (".") 08 ABORTED" QUIT ;S

2507 : WHERE DUP B/SCR / DUP SCR ! (".") 06 SCR # " . SWAP C/L @ /MOD C/L @ \* ROT  
BLOCK + CR C/L @ 1 - TYPE CR HERE C@ - SPACES LIT 005E EMIT 0 0 QUIT ;S

24D9 : IND DUP 0BRANCH 0014 LIT 00C0 + LIT 0100 \* ?CARD BRANCH 0008 DROP LIT FD1  
B LIT 0038 ! ;S

24AC : PR DUP 0BRANCH 0014 LIT 00C0 + LIT 0100 \* ?CARD BRANCH 0008 DROP LIT FDF0  
LIT 0036 ! ;S

2484 : ?CARD DUP @ OVER @ - 0BRANCH 0010 CR (".") 07 NO CARD" QUIT ;S

2477 : D= D- D0= ;S

2469 : D0= OR 0= ;S

245C : D? 2@ D. ;S

2443 : DMAX 2OVER 2OVER D< 0BRANCH 0004 2SWAP 2DROP ;S

242A : DMIN 2OVER 2OVER D> 0BRANCH 0004 2SWAP 2DROP ;S

241D : D> 2SWAP D< ;S

240C : D< D- 0< SWAP DROP ;S

23FF : D- DMINUS D+ ;S

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23E8 : 2ROT LIT 0006 ROLL LIT 0006 ROLL ;S
23D0 : 2SWAP LIT 0004 ROLL LIT 0004 ROLL ;S
23C1 : 2DUP OVER OVER ;S
23A9 : 2OVER LIT 0004 PICK LIT 0004 PICK ;S
2399 : 2DROP DROP DROP ;S
2373 : --> ?LOADING 0 IN ! B/SCR BLK @ OVER MOD - BLK +! BLK ? ;S
2367 : ? @ . ;S
235B : . S->D D. ;S
234A : .R >R S->D R> D.R ;S
233D : U. 0 D. ;S
232D : U.R 0 SWAP D.R ;S
231E : D. 0 D.R SPACE ;S
22FA : D.R >R SWAP OVER DABS <# #S SIGN #> R> OVER - SPACES TYPE ;S
22E3 : #S # OVER OVER OR 0= 0BRANCH FFF4 ;S
22B9 : # BASE @ M/MOD ROT LIT 0009 OVER < 0BRANCH 0008 LIT 0007 + LIT 0030 + HOLD ;S
22A0 : SIGN ROT 0< 0BRANCH 0008 LIT 002D HOLD ;S
2289 : #> DROP DROP HLD @ PAD OVER - ;S
227A : <# PAD HLD ! ;S
2259 : SPACES 0 MAX -DUP 0BRANCH 000C 0 (DO) SPACE (LOOP) FFFC ;S
221A : &R/WSECT MINUS 2+ LIT B7F4 ! DUP LIT 022F > 0BRANCH 0014 LIT 008C &DRV DROP LIT 0230 - BRANCH 0008 0 &DRV DROP &I/O ;S
21AB : FORGET ^ NFA DUP FENCE @ U< LIT 0015 ?ERROR >R VOC-LINK @ R OVER U< 0BRANCH 0012 FORTH DEFINITIONS @ DUP VOC-LINK ! BRANCH FFE8 DUP LIT 0004 - PFA LFA @ DUP R U< 0BRANCH FFF2 OVER 2 - ! @ -DUP 0= 0BRANCH FFD8 R> DP ! ;S
2197 : ^ -FIND 0= 0 ?ERROR DROP LITERAL ;S
2187 : WHILE IF 2+ ;S
2166 : ELSE 2 ?PAIRS COMPILE BRANCH HERE 0 , SWAP 2 ENDIF 2 ;S
2151 : IF COMPILE 0BRANCH HERE 0 , 2 ;S
2134 : REPEAT >R >R AGAIN R> R> 2 - ENDIF ;S
211E : AGAIN 1 ?PAIRS COMPILE BRANCH BACK ;S
2112 : END UNTIL ;S
20FC : UNTIL 1 ?PAIRS COMPILE 0BRANCH BACK ;S
20E6 : +LOOP 3 ?PAIRS COMPILE (+LOOP) BACK ;S
20D1 : LOOP 3 ?PAIRS COMPILE (LOOP) BACK ;S

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20C0 : DO COMPILE (DO) HERE 3 ;S
20B3 : THEN ENDIF ;S
2097 : ENDIF ?COMP 2 ?PAIRS HERE OVER - SWAP ! ;S
2085 : BEGIN ?COMP HERE 1 ;S
2074 : BACK HERE - , ;S
205F : MYSELF LATEST PFA CFA , ;S
2032 : REBOOT VOC-LINK @ LIT 0020 +ORIGIN ! HERE LIT 001E +ORIGIN ! LATEST LIT 0
00C +ORIGIN ! ;S
201E : <<COMPILE>> [COMPILE] ;S
2000 : [COMPILE] -FIND 0= 0 ?ERROR DROP CFA , ;S
1F70 : &R/W MINUS 2+ LIT B7F4 C! DUP DISKMAX @ > OVER 0< OR 0BRANCH 001E CR (".")
11 DISK RANGE ERROR " . DROP QUIT &DRV CLIT 04 * OVER OVER &I/O OVER LIT 0100 +
OVER 1+ &I/O OVER LIT 0200 + OVER 2+ &I/O SWAP LIT 0300 + SWAP 3 + &I/O ;S
1F3E : &I/O SWAP LIT B7F0 ! CLIT 10 0 SWAP U/ LIT B7EC C! LIT B7ED C! &RWTS -DUP
0BRANCH 0004 ERRMSG ;S
1F0A : &DRV DUP LIT 008B > 0BRANCH 000E LIT 008C - DRIVE2 BRANCH 0004 DRIVE1 @ L
IT B7E9 ! &VRD ;S
1EFD : DRIVE2 0F21
1EF0 : DRIVE1 0F21
1EA4 : ERRMSG CR CLIT 87 EMIT CLIT 10 = 0BRANCH 001C (".") 13 WRITE PROTECT ERROR
" BRANCH 0013 (".") 0E DISK I/O ERROR" CR QUIT ;S
1E81 : CALL 1E8A
1E62 : &RWTS 1E6C
1DE1 : LOAD BLK @ >R IN @ >R 0 IN ! B/SCR * BLK ! INTERPRET R> IN ! R> BLK ! ;S
1D8B : MESSAGE WARNING @ 0BRANCH 0025 -DUP 0BRANCH 001B DUP 1 - CLIT 17 / + CLIT
18 /MOD CLIT 8B + .LINE BRANCH 001F -DUP 0BRANCH 0019 (".") 06 MSG # " BASE @ DE
CIMAL SWAP . BASE ! ;S
1D79 : .LINE (LINE) -TRAILING TYPE ;S
1D52 : (LINE) >R C/L @ B/BUF */MOD R> B/SCR * + BLOCK + C/L @ ;S
1CEE : BLOCK OFFSET @ + >R PREV @ DUP @ LIT 7FFF AND R - 0BRANCH 6836 0= 0BRANC
H 0014 DROP R BUFFER DUP R 1 &R/W 2 - DUP @ LIT 7FFF AND R - 0= 0BRANCH FFD4 DUP
PREV ! R> DROP 2+ ;S
1CCA : EMPTY-BUFFERS FIRST @ LIMIT @ OVER - ERASE FLUSH ;S
1CA2 : FLUSH PREV @ DUP USE ! 2+ LIT 7FFF BUFFER OVER = 0BRANCH FFF4 DROP ;S
1C53 : BUFFER USE @ +BUF 0= 0BRANCH 9306 DROP DUP >R USE ! R @ 0< 0BRANCH 0014
R 2+ R @ LIT 7FFF AND 0 &R/W R ! R PREV ! R> 2+ ;S
1C43 : DR0 0 OFFSET ! ;S
1C24 : UPDATE PREV @ @ LIT 8000 OR PREV @ ! ;S
1BF8 : +BUF LIT 0404 + DUP LIMIT @ = 0BRANCH 0008 DROP FIRST @ DUP PREV @ - ;S

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1BDA : M/MOD >R 0 R U/ R> SWAP >R U/ R> ;S
1BCB : */ */MOD SWAP DROP ;S
1BB7 : */MOD >R M* R> M/ ;S
1BA9 : MOD /MOD DROP ;S
1B9B : / /MOD SWAP DROP ;S
1B88 : /MOD >R S->D R> M/ ;S
1B7C : * U* DROP ;S
1B55 : M/ OVER >R >R DABS R ABS U/ R> R XOR +- SWAP R> +- SWAP ;S
1B38 : M* OVER OVER XOR >R ABS SWAP ABS U* R> D+- ;S
1B20 : MAX OVER OVER < 0BRANCH 0004 SWAP DROP ;S
1B08 : MIN OVER OVER > 0BRANCH 0004 SWAP DROP ;S
1AF9 : DABS DUP D+- ;S
1AEB : ABS DUP +- ;S
1AD9 : D+- 0< 0BRANCH 0004 DMINUS ;S
1AC8 : +- 0< 0BRANCH 0004 MINUS ;S
1AB7 : S->D DUP 0< MINUS ;S
1A71 : COLD 1A7A
1A57 : COLD1 SP! EMPTY-BUFFERS 1 SLOT ! HOME ABORT ;S
1A48 : HOME 1A51
19EE : ABORT SP! DROP 0 DECIMAL DR0 FORTH DEFINITIONS LIT 0804 LIT 03F2 ! CLIT A
D LIT 03F4 C! JOT BRANCH FFFC ;S

*1A1F:41 50
*19F4:BF 19
*8702:BF
*8706:19
*1938:37 0C
*8700G
19BF : QUIT 0 BLK ! [ RP! CR QUERY INTERPRET STATE @ 0= 0BRANCH 0008 (".") 03 OK
" BRANCH FFE6 ;S
19B2 : ( CLIT 29 WORD ;S
1998 : DEFINITIONS CONTEXT @ CURRENT ! ;S
1986 : FORTH 13DA
1951 : VOCABULARY <BUILDS LIT A081 , CURRENT @ CFA , HERE VOC-LINK @ , VOC-LINK
! DOES> 2+ CONTEXT ! ;S

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193A : IMMEDIATE LATEST CLIT 40 TOGGLE ;S

18EA : INTERPRET -FIND 0BRANCH 001E STATE @ < 0BRANCH 000A CFA , BRANCH 0006 CFA
EXECUTE ?STACK BRANCH 001C HERE NUMBER DPL @ 1+ 0BRANCH 0008 DLITERAL BRANCH 00
06 DROP LITERAL ?STACK BRANCH FFC2 ;S

18B0 : ?STACK CLIT BB SP@ < 0BRANCH 0018 (".") 0B EMPTY STACK" SP! DROP 0 QUIT SP
@ CLIT 50 < CLIT 07 ?ERROR ;S

1893 : DLITERAL STATE @ 0BRANCH 0008 SWAP LITERAL LITERAL ;S

1877 : LITERAL STATE @ 0BRANCH 0008 COMPILE LIT , ;S

17DB : CREATE FIRST @ HERE CLIT A0 + U< 2 ?ERROR -FIND 0BRANCH 002E DROP WARNING
@ LIT FFFF = 0BRANCH 0008 DROP BRANCH 0018 NFA ID. (".") 0F ISN'T UNIQUE " HER
E DUP C@ DUP 0= CLIT 09 ?ERROR WIDTH @ MIN 1+ ALLOT DP C@ CLIT FD = 0BRANCH 0006
BL C, DUP CLIT 80 TOGGLE HERE 1 - CLIT 80 TOGGLE LATEST , CURRE
NT @ ! LIT 0F21 , ;S

17AA : ID. PAD CLIT 20 CLIT 5F FILL DUP PFA LFA OVER - PAD SWAP CMOVE PAD COUNT
CLIT 1F AND TYPE SPACE ;S

176F : ERROR WARNING @ 0< 0BRANCH 0008 DROP BRANCH 0021 HERE COUNT TYPE (".") 04
? " MESSAGE SP! DROP DROP IN @ BLK @ QUIT ;S

175F : (ABORT) ABORT ;S

171B : -FIND BL WORD BL HERE COUNT + C! HERE CONTEXT @ @ (FIND) DUP 0= 0BRANCH 0
01A CONTEXT @ @ LATEST = 0= 0BRANCH 000A DROP HERE LATEST (FIND) ;S

16C4 : NUMBER 0 0 ROT DUP 1+ C@ CLIT 2D = DUP >R + LIT FFFF DPL ! (NUMBER) DUP C
@ BL - 0BRANCH 0015 DUP C@ CLIT 2E - 0 ?ERROR 0 BRANCH FFDD DROP R> 0BRANCH 0004
DMINUS ;S

1677 : (NUMBER) 1+ DUP >R C@ BASE @ DIGIT 0BRANCH 002C SWAP BASE @ U* DROP ROT B
ASE @ U* D+ DPL @ 1+ 0BRANCH 0008 1 DPL +! R> BRANCH FFC6 R> ;S

1629 : WORD BLK @ 0BRANCH 000C BLK @ BLOCK BRANCH 0006 TIB @ IN @ + SWAP ENCLOSE
HERE CLIT 22 BLANKS IN +! OVER - >R R HERE C! + HERE 1+ R> 1+ CMOVE ;S

1618 : PAD HERE CLIT 44 + ;S

15FF : HOLD LIT FFFF HLD +! HLD @ C! ;S

15EE : BLANKS BL FILL ;S

15DE : ERASE 0 FILL ;S

15C2 : BLK @ 0BRANCH 000A 0 IN ! ?EXEC R> DROP ;S

15A7 : QUERY TIB @ CLIT 50 EXPECT 0 IN ! ;S

14B6 : EXPECT OVER + OVER (DO) KEYESC[ DUP CLIT 15 = 0BRANCH 003D DROP CH C@ CV
C@ BCALC + C@ CLIT 3F AND DUP CLIT 1D < 0BRANCH 0007 CLIT 40 OR LIT FBF4 CALL I
C! 0 I 1+ ! BRANCH 0090 DUP CLIT 08 = 0BRANCH 002B DROP CLIT 08 OVER I = DUP 0BR
ANCH 0008 0 I ! DUP R> 2 - + >R - BRANCH 005A DUP CLIT 0D = 0BRA
NCH 0013 0 I ! DROP CLIT 20 LEAVE BRANCH 003E DUP CLIT 18 = 0BRANCH 0025 DROP 0
OVER C! 0 OVER 1+ C! CLIT 58 EMIT CLIT 58 EMIT CLIT 58 LEAVE BRANCH 0010 DUP I C
! 0 I 1+ ! EMIT (LOOP) FF28 DROP ;S

1488 : ." CLIT 22 STATE @ 0BRANCH 0014 COMPILE (".") WORD HERE C@ 1+ ALLOT BRANCH
000A WORD HERE COUNT TYPE ;S

146D : (".") R COUNT DUP 1+ R> + >R TYPE ;S

1435 : -TRAILING DUP 0 (DO) OVER OVER + 1 - C@ BL - 0BRANCH 0008 LEAVE BRANCH 00

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06 1 - (LOOP) FFE0 ;S

140C : TYPE -DUP 0BRANCH 0018 OVER + SWAP (DO) I C@ EMIT (LOOP) FFF8 BRANCH 0004
      DROP ;S

13F8 : COUNT DUP 1+ SWAP C@ ;S

13C6 : DOES> R> LATEST PFA ! (;CODE)

13B4 : <BUILDS 0 CONSTANT ;S

139E : ;CODE ?CSP COMPILE (;CODE) [ ASSEMBLER ;S

1386 : (;CODE) R> LATEST PFA CFA ! ;S

1371 : DECIMAL CLIT 0A BASE ! ;S

1360 : HEX CLIT 10 BASE ! ;S

134C : SMUDGE LATEST CLIT 20 TOGGLE ;S

133D : ] CLIT C0 STATE ! ;S

132F : [ 0 STATE ! ;S

1313 : COMPILE ?COMP R> DUP 2+ >R @ , ;S

12F9 : ?LOADING BLK @ 0= CLIT 16 ?ERROR ;S

12E1 : ?CSP SP@ CSP @ - CLIT 14 ?ERROR ;S

12CD : ?PAIRS - CLIT 13 ?ERROR ;S

12B8 : ?EXEC STATE @ CLIT 12 ?ERROR ;S

12A1 : ?COMP STATE @ 0= CLIT 11 ?ERROR ;S

1286 : ?ERROR SWAP 0BRANCH 0008 ERROR BRANCH 0004 DROP ;S

1275 : !CSP SP@ CSP ! ;S

1262 : PFA 1 TRAVERSE CLIT 05 + ;S

124D : NFA CLIT 05 - LIT FFFF TRAVERSE ;S

123F : CFA 2 - ;S

1230 : LFA CLIT 04 - ;S

121D : LATEST CURRENT @ @ ;S

11F7 : TRAVERSE SWAP OVER + CLIT 7F OVER C@ < 0BRANCH FFF1 SWAP DROP ;S

11DC : U< >R 0 R> 0 DMINUS D+ SWAP DROP 0< ;S

11C9 : -DUP DUP 0BRANCH 0004 DUP ;S

11B9 : SPACE BL EMIT ;S

11AB : ROT 3 ROLL ;S

119F : > SWAP < ;S

1193 : = - 0= ;S

1187 : - MINUS + ;S

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1176 : C, HERE C! 1 ALLOT ;S

1166 : , HERE ! 2 ALLOT ;S

1156 : ALLOT DP +! ;S

1147 : HERE DP @ ;S

113A : 2+ 2 + ;S

112D : 1+ 1 + ;S

1120 : DISKMAX 0FA2

1116 : SLOT 0FA2

110D : HLD 0FA2

1105 : R# 0FA2

10FC : CSP 0FA2

10F3 : FLD 0FA2

10EA : DPL 0FA2

10E0 : BASE 0FA2

10D5 : STATE 0FA2

10C8 : CURRENT 0FA2

10BB : CONTEXT 0FA2

10AF : OFFSET 0FA2

10A6 : SCR 0FA2

109D : OUT 0FA2

1095 : IN 0FA2

108C : BLK 0FA2

1083 : C/L 0FA2

1079 : PREV 0FA2

1070 : USE 0FA2

1065 : LIMIT 0FA2

105A : FIRST 0FA2

104C : VOC-LINK 0FA2

1044 : DP 0FA2

1039 : FENCE 0FA2

102C : WARNING 0FA2

1021 : WIDTH 0FA2

1018 : TIB 0FA2

100F : CV 0F05  
1006 : CH 0F05  
0FF2 : +ORIGIN LIT 0800 + ;S  
0FE6 : B/SCR 0F05  
0FDA : B/BUF 0F05  
0FD1 : BL 0F05  
0FC9 : 3 0F05  
0FC1 : 2 0F05  
0FB9 : 1 0F05  
0FB1 : 0 0F05  
0F95 : USER CONSTANT (;CODE)  
0F73 : 2CONSTANT 2VARIABLE (;CODE)  
0F5F : 2VARIABLE VARIABLE , ;S  
0F46 : 2! 0F4D  
0F2D : 2@ 0F34  
0F10 : VARIABLE CONSTANT (;CODE)  
0EF2 : CONSTANT CREATE , (;CODE)  
0EE5 : EMIT (EMIT) ;S  
0ED3 : ; ?CSP COMPILE ;S SMUDGE [ ;S  
0EA4 : : ?EXEC !CSP CURRENT @ CONTEXT ! CREATE SMUDGE ] (;CODE)  
0E7E : BCALC 0E88  
0E4D : -TEXT 0E57  
0E25 : ROLL 0E2E  
0E11 : PICK 0E1A  
0DF8 : C! 0DFF  
0DE1 : ! 0DE7  
0DD1 : C@ 0DD8  
0DBD : @ 0DC3  
0DA9 : TOGGLE 0DB4  
0D8C : +! 0D93  
0D7C : DUP 0D84  
0D63 : SWAP 0D6C  
0D5A : DROP 09CA



0D49 : OVER 0D52

0D30 : DMINUS 0D3B

0D18 : MINUS 0D22

0CF5 : D+ 0CFC

0CDD : + 0CE3

0CC0 : < 0CC6

0CAE : 0< 0CB5

0C99 : 0= 0CA0

0C84 : R 0C8A

0C72 : R> 0C79

0C60 : >R 0C67

0C42 : LEAVE 0C4C

0C32 : ;S 0C39

0C1D : RP! 0C25

0C0D : SP! 0C15

0BFE : SP@ 0C06

0BE8 : XOR 0BF0

0BD3 : OR 0BDA

0BBD : AND 0BC5

0B81 : U/ 0B88

0B49 : U\* 0B50

0B20 : FILL 0B29

0AF7 : CMOVE 0B02

0AEB : KEYESC[ 1E54

0AE4 : CR 1E4C

0AD6 : ?TERMINAL 1E3A

0ACE : KEY 1E32

0AC3 : (EMIT) 1E14

0A74 : ENCLOSE 0A80

0A05 : (FIND) 0A10

09D5 : DIGIT 09DF

09CF : I 0C8A

09B3 : (DO) 09BC

0979 : (+LOOP) 0985

094A : (LOOP) 0955

0928 : 0BRANCH 0934

090A : BRANCH 0915

08F1 : EXECUTE 08FD

08D1 : CLIT 08DA

0898 : LIT 08A0

\*1938:39 300

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