

```

5700 006703* 001000 000345 17200 PUSH H ;SAVE THIS #
5709 006704* 001000 000811 17220 DAD B ;ADD ON THE AMOUNT OF SPACE
5710 17240 ;EXTRA NOW BEING USED
5711 006705* 001000 000381 17260 POP B ;POP OFF HIGH ADDRESS TO MOVE
5712 006706* 001000 000345 17280 PUSH H ;SAVE NEW CANDIDATE FOR STREND
5713 006707* 001000 000315 17300 CALL BLTU ;BLOCK TRANSFER AND MAKE SURE
5714 006710* 000000 002005* ;
5715 006711* 000000 006701* ;
5716 ;
5717 ;
5718 006712* 001000 000341 17320 ;WE ARE NOT OVERFLOWING THE
5719 006713* 001000 000642 17340 POP H ;STACK SPACE
5720 006714* 000000 001025* ;(H,L)=NEW STREND
5721 006715* 000000 006710* ;STORE SINCE WAS OK
5722 ;
5723 17400 ;THERE WAS ROOM, AND BLOCK TRANSFER
5724 006716* 001000 000140 17420 ;WAS DONE, SO UPDATE POINTERS
5725 006717* 001000 000151 17440 MOV M,B ;GET BACK (H,L) POINTING AT THE END
5726 006720* 001000 000042 17460 MOV L,C ;OF THE NEW VARIABLE
5727 006721* 000000 001025* ;UPDATE THE ARRAY TABLE POINTER
5728 006722* 000000 006714* ;
5729 006723* 001000 000053 17500 ZEROER: DCX H ;(H,L) IS RETURNED POINTING TO THE
5730 006724* 001000 000056 17520 MVI M,0 ;END OF THE VARIABLE SO WE
5731 006725* 000000 000000 ;
5732 006726* 001000 000347 17540 COMPAR ;ZERO BACKWARDS TO (D,E) WHICH
5733 006727* 001000 000302 17560 JNZ ZEROER ;POINTS TO THE START OF THE VARIABLE
5734 006730* 000000 006725* ;
5735 006731* 000000 006721* ;
5736 ;
5737 006732* 001000 000321 17580 IFE LENGTH=2,< ;
5738 006733* 001000 000163 17600 POP D ;(E)=VALTYP
5739 006734* 001000 000043 17620 MOV M,E ;STORE AS PART OF THE LOOKS
5740 006735* 001000 000321 17640 INX H> ;
5741 006736* 001000 000163 17660 POP D ;
5742 006737* 001000 000143 17680 MOV M,E ;PUT DESCRIPTION
5743 006740* 001000 000162 17700 INX H ;
5744 17720 MOV M,D ;OF THIS VARIABLE
5745 17740 ;INTO MEMORY
5746 006741* 001000 000353 17760 IFE LENGTH=2,< ;
5747 006742* 001000 000023 17780 XCHG ;POINTER AT VARIABLE INTO (D,E)
5748 17800 FINPTR: INX D> ;POINT AT THE VALUE
5749 17820 IFN LENGTH=2,< ;
5750 17840 INX H ;
5751 006743* 001000 000341 17860 FINPTR: XCHG> ;VARIABLE POINTER INTO (D,E)
5752 006744* 001000 000311 17880 POP RET ;RESTORE THE TEXT POINTER
5753 17900 ;
5754 17940 IFE MULDIM,< ;
5755 17960 ISARY: PUSH B ;REMEMBER WHAT VARIABLE LOOKS
5756 17980 ;LIKE
5757 18000 IFN STRING,< ;
5758 18020 PUSH H ;SAVE THE TXTPTH
5759 18040 LHL DIMFLG ;(L)=DIMFLG (H)=VALTYP
5760 18060 XTHL> ;PUT VALTYP AND DIMFLG ON THE STACK

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5761 18080 ;AND RESTORE THE TEXT POINTER
5762 18100 IFE STRING,< ;
5763 18120 LDA DIMFLG ;SINCE THIS CALL IS RECURSIVE
5764 18140 PUSH PSW> ;DIMFLG MUST BE SAVED ON THE STACK
5765 18160 CALL INTIOX ;EVALUATE THE INDEX INTO (D,E)
5766 18180 SYNCHA "J" ;MAKE SURE HE CLOSED IT
5767 18200 IFN STRING,< ;
5768 18220 XTHL ;(L)=DIMFLG (H)=VALTYP
5769 18240 ;TEXT POINTER ONTO THE STACK
5770 18260 SHLD DIMFLG ;SAVE BOTH VALUES BACK
5771 18280 POP H> ;RESTORE THE TEXT POINTER
5772 18300 IFE STRING,< ;
5773 18320 POP PSW ;GET DIMFLG OFF THE STACK
5774 18340 STA DIMFLG> ;RESTORE IT
5775 18360 XTHL ;(H,L) GET VARIABLE DESCRIPTOR
5776 18380 ;TEXT POINTER IS PUT ONTO
5777 18400 ;THE STACK
5778 18420 XCHG ;(D,E)=DESCRIPTOR
5779 18440 ;(M,L)=INDEX
5780 18460 DAD H ;MULTIPLY BY 4 TO GET
5781 18480 DAD H ;BYTE OFFSET
5782 18500 PUSH H ;SAVE THE INDEX
5783 18520 LHL ARYTAB ;PLACE TO START SEARCH
5784 18540 XWD "01000,1" ;"LXI B," OVER THE NEXT 2
5785 18560 LUPF02: POP B ;(B,C)=LENGTH OF LAST VARIABLE
5786 18580 DAD B ;SKIP OVER LAST VARIABLE BY ADDING ITS
5787 18600 ;LENGTH ONTO (H,L)
5788 18620 XCHG ;(D,E) GET CURRENT SEARCH POINT
5789 18640 PUSH H ;SAVE THE VARIABLE LOOK
5790 18660 LHL STREND ;GET PLACE TO STOP
5791 18680 COMPAR ;SEE IF WE ARE THERE
5792 18700 XCHG ;(H,L) GETS SEARCH POINT
5793 18720 POP D ;POP OFF VARIABLE LOOKS
5794 18740 JZ NOTFOU ;COULDN'T FIND IT
5795 18760 PUSHM ;PUT ON LOOKS OF VARIABLE
5796 18780 ;WE ARE EXAMINING
5797 18800 XTHL ;PUT (H,L) ON THE STACK AND
5798 18820 ;LOOKS OF VARIABLE WE ARE
5799 18840 ;EXAMINING INTO (H,L)
5800 18860 COMPAR ;IS THIS THE VARIABLE
5801 18880 POP H ;POP OFF SEARCH POINTER
5802 18900 PUSHM ;PUSH LENGTH OF VARIABLE
5803 18920 ;BEING EXAMINED ONTO THE STACK
5804 18940 JNZ LUPF02 ;IF NO MATCH,GO LOOK SOMEONE
5805 18960 DIMFLG ;IS THIS VARIABLE TRYING TO BE
5806 18980 ;DIMENSIONED AND ALREADY
5807 19000 ORA A ;EXISTS?
5808 19020 MVI E,ERR00 ;THATS ERROR ERR00
5809 19040 JNZ ERROR ;
5810 19060 MAKDFN: POP D ;POP OFF LENGTH OF THIS VARIABLE
5811 19080 DCX D ;DECREMENT LENGTH SO WE CAN
5812 19100 ;JUST LOOK AT "CARRY" AFTER
5813 19120 ;CALLING COMPAR

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Team-L1 Simulator

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5814          19140      XTHL          ;TRADE POINTER AT VARIABLE WITH
5815          19160      ;INDEX INTO THE VARIABLE
5816          19180      COMPAR        ;SEE IF INDEX IS TOO BIG
5817          19200      MVI          ;THATS ERKOK ERRBS
5818          19220      JNC          E,ERRBS
5819          19240      ;SINCE LENGTH REALLY HAS AN
5820          19260      ;IF INDEX-LENGTH DOESN'T CARRY
5821          19280      ;HE IS IN TROUBLE
5822          19300      POP          D      ;POP OFF POINTER AT VARIABLE
5823          19320      DAD          D      ;ADD IT TO THE INDEX
5824          19340      POP          D      ;POP OFF TEXT POINTER
5825          19360      XCHG          ;TEXT POINTER INTO (H,L)
5826          19380      RET            ;VARIABLE POINTER INTO (D,E)
5827          19400
5828          19420      NOTFOU: MOV      M,E      ;PUT LOOKS DOWN
5829          19440      INX          H
5830          19460      MOV          M,D
5831          19480      INX          H
5832          19500      LXI          D,$CODE+44   ;DEFAULT SIZE IS 10
5833          19520      LDA          DIMFLG      ;ARE WE DIMENSIONING
5834          19540      ORA          A
5835          19560      JZ          NOTDIM
5836          19580      POP          D      ;POP OFF INDEX
5837          19600      PUSH         D      ;PUT INDEX BACK ON
5838          19620      INX          D
5839          19640      INX          D
5840          19660      INX          D
5841          19680      INX          D
5842          19700      NOTDIM: PUSH     D      ;PUT LENGTH DOWN
5843          19720      MOV          M,E
5844          19740      INX          H
5845          19760      MOV          M,D
5846          19780      INX          H
5847          19800      PUSH         H
5848          19820      DAD          D
5849          19840      CALL         REASON      ;MAKE SURE WE'RE NOT RUNNING
5850          19860      ;INTO THE STACK
5851          19880      SHLD         STREND      ;SETUP NEW STORAGE END
5852          19900      POP          D
5853          19920      ZERIT2: DEC      H
5854          19940      MVI          M,0
5855          19960      COMPAR
5856          19980      JNZ          ZERIT2
5857          20000      JMP          MAKOFN>      ;FINISH UP
5858
5859          20040      PAGE

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5860          20060      SUBTTL      MULTIPLE DIMENSION CODE
5861          20100      ;
5862          20120      IFN          MULDIM,<
5863          20140      ;
5864          20160      ; FORMAT OF ARRAYS IN CORE
5865          20180      ; DESCRIPTOR
5866          20200      ; LOW BYTE = SECOND CHARACTER (200 BIT IS STRING FLAG)
5867          20220      ; HIGH BYTE = FIRST CHARACTER
5868          20240      ; LENGTH OF ARRAY IN CORE IN BYTES (DOES NOT INCLUDE DESCRIPTOR)
5869          20260      ; NUMBER OF DIMENSIONS 1 BYTE
5870          20280      ; FOR EACH DIMENSION STARTING WITH THE FIRST A LIST
5871          20300      ; (2 BYTES EACH) OF THE MAX INDICE+1
5872          20320      ; THE VALUES
5873          20340      ;
5874          20360      ISARY: PUSH     M      ;SAVE DIMFLG AND VALTYP FOR RECURSION
5875          20380      LHL          DIMFLG
5876          20400      XTHL
5877          20420      MVI          D,0
5878          20440      ;TEXT POINTER BACK INTO (H,L)
5879          20460      ;SET # DIMENSIONS = 0
5880          20480      INDOLOP: PUSH    D
5881          20500      PUSH         B
5882          20520      CALL         INTIOX      ;SAVE NUMBER OF DIMENSIONS
5883          20540      ;SAVE LOOKS
5884          20560      ;EVALUATE INDICE INTO (D,E)
5885          20580      ;
5886          20600      ;
5887          20620      POP          B
5888          20640      POP          PSW
5889          20660      XCHG
5890          20680      ;
5891          20700      XTHL
5892          20720      ;
5893          20740      PUSH         H
5894          20760      XCHG
5895          20780      INX          A
5896          20800      MOV          D,A
5897          20820      MOV          A,M
5898          20840      CPI          44
5899          20860      JZ          INDOLOP      ;IF SO, READ MORE
5900          20880      ;
5901          20900      ;
5902          20920      ;
5903          20940      ;
5904          20960      ;
5905          20980      ;
5906          21000      ;
5907          21020      ;
5908          21040      ;
5909          21060      ;
5910          21080      ;
5911          21100      ;
5912          21120      ;

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5913          20860  /
5914          20880  / AT THIS POINT [B,C]=LOOKS, THE TEXT POINTER IS IN TEMP2.
5915          20900  / THE INDICES ARE ALL ON THE STACK, FOLLOWED BY THE NUMBER OF DIMENSIONS.
5916          20920  /
5917          007011' 001000 000052          20940  /          LMLD  ARYTAB          / [M,L]=PLACE TO START THE SEARCH
5918          007012' 000000 001023'
5919          007013' 000000 007000'
5920          007014' 001000 000070          20960  LOPFOA: DAD  D          /"01000,"076  /"MVI A," AROUND THE NEXT BYTE
5921          007015' 001000 000031          20980  /          /SKIP OVER THIS ARRAY SINCE IT'S
5922          21000  /          /NOT THE ONE
5923          007016' 001000 000353          21020  XCHG          / [D,E]=CURRENT SEARCH POINT
5924          007017' 001000 000056          21040  LHL0  STREND  /GET THE PLACE TO STOP INTO [M,L]
5925          007020' 000000 001025'
5926          007021' 000000 007012'
5927          007022' 001000 000353          21050  XCHG          / [M,L]=SEARCH POINT
5928          007023' 001000 000347          21060  COMPAR          /STOPPING TIME?
5929          21080  IFE          /
5930          007024' 001000 000072          21100  LDA          /
5931          007025' 000000 001543'
5932          007026' 000000 007020'
5933          007027' 001000 000312          21120  JZ          /YES,COULDN'T FIND THIS ARRAY
5934          007030' 000000 007104'
5935          007031' 000000 007025'
5936          21140  IFE          /
5937          007032' 001000 000076          21160  CMP  M          /SEE IF THE VALTYPs ARE THE SAME
5938          007033' 001000 000043          21180  INX  H
5939          007034' 001000 000302          21200  JNZ  NMARY2'
5940          007035' 000000 007050'
5941          007036' 000000 007030'
5942          007037' 001000 000176          21240  MOV  A,M          /GET FIRST CHARACTER
5943          007040' 001000 000071          21260  CMP  C          /SEE IF IT MATCHES
5944          007041' 001000 000043          21280  INX  H
5945          007042' 001000 000302          21300  JNZ  NMARY1'          /NOT THIS ONE
5946          007043' 000000 007051'
5947          007044' 000000 007035'
5948          007045' 001000 000176          21320  MOV  A,M          /GET SECOND CHARACTER
5949          007046' 001000 000270          21340  CMP  B          /ANOTHER MATCH?
5950          21360  IFE          /
5951          007047' 001000 000076          21380  XAD  "01000,"076  /SKIP THIS INCREMENT WITH "MVI A,"
5952          007050' 001000 000043          21400  NMARY2: INX  H
5953          007051' 001000 000043          21420  NMARY1: INX  H          /POINT TO SIZE ENTRY
5954          007052' 001000 000136          21440  MOV  E,M          / [D,E]=LENGTH
5955          007053' 001000 000043          21460  INX  H          /OF THE ARRAY BEING LOOKED AT
5956          007054' 001000 000126          21480  MOV  O,M
5957          007055' 001000 000043          21500  INX  H
5958          007056' 001000 000302          21520  JNZ  LOPFOA          /IF NO MATCH, SKIP THIS ONE
5959          007057' 000000 007015'
5960          007060' 000000 007043'
5961          21540  /
5962          007061' 001000 000072          21560  LDA  DIMFLG          /AND TRY AGAIN
5963          007062' 000000 001542'          / IF CALLED BY "DIM"
5964          007063' 000000 007057'
5965          007064' 001000 000267          21580  OKA  A          /ZERO MEANS NO

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5966          007065' 001000 000036          21600  MVI  E,ERRDD          /"DOUBLY DIMENSIONED" ERROR
5967          007066' 000000 000012          21620  /
5968          007067' 001000 000302          21640  JNZ  ERROR
5969          007070' 000000 002102'
5970          007071' 000000 007062'
5971          21660  /
5972          21680  / TEMP2=THE TEXT POINTER
5973          21700  / WE HAVE LOCATED THE VARIABLE WE WERE LOOKING FOR
5974          21720  / AT THIS POINT [M,L] POINTS BEYOND THE SIZE TO THE NUMBER OF DIMENSIONS
5975          21740  / THE INDICES ARE ON THE STACK FOLLOWED BY THE NUMBER OF DIMENSIONS
5976          21760  /
5977          007072' 001000 000361          21780  POP  PSW          / [A]=NUMBER OF DIMENSIONS
5978          007073' 001000 000276          21800  CMP  M          /MAKE SURE THE NUMBER GIVEN NOW AND
5979          21820  /          /AND WHEN THE ARRAY WAS SET UP ARE THE
5980          21840  JZ  GETDEF          /SAME
5981          007074' 001000 000312          /JUMP OFF AND READ
5982          007075' 000000 007245'
5983          007076' 000000 007070'
5984          21860  /
5985          007077' 001000 000036          21880  BSERR: MVI  E,ERRDD          /THE INDICES....
5986          007100' 000000 000011          /"SUBSCRIPT OUT OF RANGE"
5987          007101' 001000 000303          21900  JMP  ERROR
5988          007102' 000000 002102'
5989          007103' 000000 007075'
5990          21920  /
5991          21940  / HERE WHEN VARIABLE IS NOT FOUND IN THE ARRAY TABLE
5992          21960  /
5993          21980  / BUILDING AN ENTRY:
5994          22000  /
5995          22020  / PUT DOWN THE DESCRIPTOR
5996          22040  / SETUP NUMBER OF DIMENSIONS
5997          22060  / MAKE SURE THERE IS ROOM FOR THE NEW ENTRY
5998          22080  / REMEMBER VARPTR
5999          22100  / TALLY#4 (VALTYP FOR THE EXTENDED)
6000          22120  / SKIP 2 LOCs FOR LATER FILL IN -- THE SIZE
6001          22140  / LOOP: GET AN INDEX
6002          22160  / PUT NUMBER +1 DOWN AT VARPTR AND INCREMENT VARPTR
6003          22180  / TALLY= TALLY * NUMBER+1
6004          22200  / DECREMENT NUMBER=DIMS
6005          22220  / JNZ  LOOP
6006          22240  / CALL REASON WITH [M,L] REFLECTING LAST LOC OF VARIABLE
6007          22260  / UPDATE STREND
6008          22280  / ZERO BACKWARDS
6009          22300  / MAKE TALLY INCLUDE MAXDIMS
6010          22320  / PUT DOWN TALLY
6011          22340  / IF CALLED BY DIMENSION, RETURN
6012          22360  / OTHERWISE INDEX INTO THE VARIABLE AS IF IT
6013          22380  / WERE FOUND ON THE INITIAL SEARCH
6014          22400  /
6015          007104'          22420  NOTFDD:
6016          22440  IFE          /
6017          007104' 001000 000167          22460  MOV  M,A          /PUT DOWN THE VARIABLE TYPE
6018          007105' 001000 000043          22480  INX  H

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Booth's Simulator

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6019 007100* 001000 000137 22500 MOV E,A
6020 007107* 001000 000026 22520 MVI D,00
        ;(D,E)=SIZE OF ONE VALUE (VALTYP)
6021 007110* 000000 000000 22540 IFN LENGTH=2,4
6022 007111* 001000 000161 22500 LXI D,0,SCODE+40
        ;INITIALIZE TALLY TO FOUR
6023 007112* 001000 000043 22580 MOV M,C
        ;PUT DOWN THE DESCRIPTOR
6024 007113* 001000 000160 22600 INX H
        ;
6025 007114* 001000 000043 22620 MOV M,B
        ;
6026 007115* 001000 000361 22640 PUP PSW
        ;(A)=NUMBER OF DIMENSIONS
6027 007116* 001000 000062 22660 STA TEMP6
        ;SETUP GETSTK CALL
6028 007117* 000000 007124* 22700 CALL GETSTK
        ;GET SPACE FOR DIMENSION ENTRIES
6029 007120* 000000 007124* 22720 TEMP6: PCHL
        ;PLACE TO STORE NUMBER OF DIMENSIONS
        ;FOR GETSTK AND LATER RECALL
6030 007121* 000000 000315 22740 SHLU TEMP3
        ;[11]MPURE!! PCHL TO CONFUSE DISASSEMBLY
        ;SAVE THE LOCATION TO PUT THE SIZE
6031 007122* 000000 000024* 22760
6032 007123* 000000 000117* 22780
        ;
6033 007124* 001000 000043 22800 INX H
        ;SKIP OVER THE SIZE LOCATIONS
6034 007125* 001000 000043 22820 INX H
        ;
6035 007126* 000000 001575* 22840 MOV B,C
        ;(B)=NUMBER OF DIMENSIONS
        ;THIS DEPENDS ON THE FACT THAT GETSTK
        ;RETURNS ITS ARGUMENT IN (C)
        ;STORE THE NUMBER OF DIMENSIONS
6036 007127* 000000 000000 22860 MOV M,B
        ;CALLED BY DIMENSION?
6037 007128* 000000 001542* 22880 LOPPTA: LUI DIMFLG
        ;
6038 007129* 000000 000067 22900 ORA A
        ;
6039 007130* 001000 000170 22920 MOV A,B
        ;(A)=NUMBER OF DIMENSIONS
        ;ASSUME ITS NOT "DIM"
6040 007131* 001000 000001 22940 LXI B,SCODE+11
        ;
6041 007132* 000000 000013* 22960 JZ NUTDIM
        ;DEFAULT DIMENSIONS TO TEN
6042 007133* 001000 000030 23000 PUP B
        ;POP OFF AN INDICE INTO (B,C)
6043 007134* 001000 000003 23020 INX B
        ;ADD ONE TO IT FOR THE ZERO ENTRY
6044 007135* 001000 000043 23040 MOV M,C
        ;PUT THE MAXIMUM DOWN
6045 007136* 001000 000160 23060 INX H
        ;
6046 007137* 001000 000043 23080 MOV M,B
        ;
6047 007138* 001000 000043 23100 INX H
        ;
6048 007139* 001000 000360 23120 PUP PSW
        ;SAVE THE NUMBER OF DIMENSIONS
6049 007140* 001000 000360 23140 PUP PSW
        ;SAVE THE POINTERS INTO THE NEW ENTRY
6050 007141* 001000 000315 23160 CALL UNHLT
        ;MULTIPLY (B,C)=NENMAX BY CURTOL=(D,E)
6051 007142* 000000 000000 23180
6052 007143* 000000 007146* 23200
        ;
6053 007144* 001000 000353 23220 XCHG
        ;(D,E)=NEW CURTOL
6054 007145* 001000 000353 23240

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6072 007164* 001000 000301 23260 POP H
        ;GET THE POINTER INTO THE ENTRY BACK
6073 007165* 001000 000301 23280 POP B
        ;GET THE NUMBER OF DIMENSIONS BACK
6074 007166* 001000 000003 23300 DCR B
        ;DECREMENT THE NUMBER OF DIMENSIONS LEFT
6075 007167* 001000 000302 23320 JNZ LOPPTA
        ;HANDLE THE OTHER INDICES
6076 007168* 000000 007135* 23340
6077 007169* 000000 007161* 23360 MOV B,D
        ;(B,C)=SIZE
6078 007170* 001000 000102 23380 MOV C,E
        ;
6079 007171* 001000 000353 23400 XCHG
        ;(D,E)=START OF VALUES
6080 007172* 001000 000031 23420 DAD D
        ;(M,L)=END OF VALUES
6081 007173* 001000 000352 23440 JC BSERR
        ;OUT OF MEMORY POINTER BEING GENERATED?
6082 007174* 000000 007177* 23460 CALL REASON
        ;SEE IF THERE IS ROOM FOR THE VALUES
6083 007175* 000000 000043 23480 SHLU STREND
        ;UPDATE THE END OF STORAGE
6084 007176* 001000 000025* 23500 ZERITA: DCX H
        ;ZERO THE NEW ARRAY
6085 007177* 001000 000053 23520 MVI M,0
        ;
6086 007178* 001000 000066 23540 COMPAN
        ;BACK AT THE BEGINNING?
6087 007179* 001000 000347 23560 JNZ ZERITA
        ;NO,ZERO MORE
6088 007180* 000000 007207* 23580 MOV L,A
        ;(L)=NUMBER OF DIMENSIONS
6089 007181* 001000 000357 23600 DAD H
        ;(M,L)=NUMBER OF DIMENSIONS TIMES TWO
6090 007182* 001000 000302 23620 DAD B
        ;ADD ON THE SIZE
6091 007183* 000000 007221* 23640 XCHG
        ;TO GET THE TOTAL NUMBER OF BYTES USED
6092 007184* 001000 000051 23660 LHLD TEMP3
        ;(D,E)=TOTAL SIZE
        ;PLACE TO STORE SIZE
6093 007185* 000000 000353 23680 MOV M,E
        ;PUT DOWN THE SIZE
6094 007186* 001000 000163 23700 INX H
        ;
6095 007187* 001000 000043 23720 MOV M,D
        ;
6096 007188* 001000 000162 23740 INX H
        ;
6097 007189* 001000 000043 23760 JNZ FINNOW
        ;
6098 007190* 001000 000302 23780
6099 007191* 000000 007331* 23800
        ;
6100 007192* 001000 000052 23820
        ;
6101 007193* 000000 001575* 23840
        ;
6102 007194* 000000 007225* 23860
        ;
6103 007195* 000000 000063 23880
        ;
6104 007196* 001000 000043 23900
        ;
6105 007197* 001000 000043 23920
        ;
6106 007198* 001000 000043 23940
        ;
6107 007199* 001000 000043 23960
        ;
6108 007200* 001000 000043 23980
        ;
6109 007201* 001000 000043 23990
        ;
6110 007202* 001000 000043 24000
        ;
6111 007203* 001000 000043 24010
        ;
6112 007204* 001000 000043 24020
        ;
6113 007205* 001000 000043 24030
        ;
6114 007206* 001000 000043 24040
        ;
6115 007207* 001000 000043 24050
        ;
6116 007208* 001000 000043 24060
        ;
6117 007209* 001000 000043 24070
        ;
6118 007210* 001000 000043 24080
        ;
6119 007211* 001000 000043 24090
        ;
6120 007212* 001000 000043 24100
        ;
6121 007213* 001000 000043 24110
        ;
6122 007214* 001000 000043 24120
        ;
6123 007215* 001000 000043 24130
        ;
6124 007216* 001000 000043 24140
        ;
        ; AT THIS POINT (M,L) POINTS BEYOND THE SIZE TO THE NUMBER OF DIMENSIONS

```

Form 1-64