

Program 1

```

10 MEM 000.
20 MEM By Ian Sharpe
30 MEM (c) Computing with the Astrak
40 MEM
50 MEMORRY LAMP
60 FOR 4000-6000 TO 4000;READ BYTES
70 INTERNAL=VAL('E')*BYTES;
80 FORK ADDM,BYTEVAL.
90 CHECK=CHECK+BYTEVAL.
100 NEXT
110 IF CHECK<1000 THEN PRINT'TYPE IN
  ERROR IN DATA'DIG
120 CALL 60000
130 PRINT'1000 to enable'
140 PRINT'1000 to disable'
150 PRINT'DELET,0 to set level where
  =0,1 or 2'
160 PRINT'BORDER a,b or 100 a,b set
  a top(a) and bottom(b) values'
170 MEM

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180 DATA 21,47,61,09,46,08,09,26
190 DATA 03,00,09,26,07,08,07,08
200 DATA 18,08,20,03,07,11,04,07
210 DATA 03,21,00,21,04,01,11,09
220 DATA 01,23,03,01,08,03,05,01
230 DATA 03,00,09,26,05,01,11,07
240 DATA 01,01,23,00,03,00,21,08
250 DATA 00,11,00,01,01,03,00,03
260 DATA 00,01,00,00,21,03,00,03
270 DATA 01,00,03,00,03,07,00,03
280 DATA 03,00,03,09,00,00,03,07
290 DATA 00,00,04,00,03,03,03,04
300 DATA 00,24,00,00,00,00,00,21
310 DATA 07,01,09,00,08,09,08,09
320 DATA 07,00,11,03,05,21,03,01
330 DATA 01,03,00,03,00,21,00,01
340 DATA 00,00,00,01,11,07,00,03
350 DATA 00,00,01,01,09,09,00,03
360 DATA 03,01,09,21,07,01,08,00
370 DATA 08,08,00,03,07,00,21,00
380 DATA 01,11,03,00,01,03,00,03
390 DATA 00,21,00,01,03,00,00,20
400 DATA 05,01,00,21,07,01,00,22
410 DATA 20,25,00,20,00,27,21,00
420 DATA 27,00,00,03,03,10,21,09
430 DATA 20,01,08,00,20,00,20,00
440 DATA 00,20,07,03,00,01,09,20
450 DATA 03,01,03,03,03,01,08,03
460 DATA 00,21,04,01,00,08,03,00
470 DATA 03,01,03,25,00,00,00,22
480 DATA 03,01,03,00,03,01,03,23
490 DATA 00,20,03,01,03,11,20,01
500 DATA 00,20,01,00,05,01,03,11

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510 DATA 00,01,03,21,01,21,20,01
520 DATA 22,03,01,21,00,01,03,03
530 DATA 01,21,00,00,01,00,00,26
540 DATA 00,03,00,20,01,03,17,01
550 DATA 01,23,03,01,01,03,03,01
560 DATA 09,20,12,03,13,20,00,10
570 DATA 12,03,10,20,09,03,20,00
580 DATA 00,00,00,00,00,00,00,00
590 DATA 00,00,00,00,00,00,00,00
600 DATA 00,00,00,00,00,00,03,00
610 DATA 00,00,00,00,00,00,00,00
620 DATA 00,00,00,00,00,00,00,00
630 DATA 00,00,00,00,00,00,00,00
640 DATA 00,00,00,00,00,00,00,00
650 DATA 00,00,00,00,00,00,00,00
660 DATA 00,00,00,00,00,00,00,00
670 DATA 00,00,00,00,00,00,00,00
680 DATA 00,00,00,00,00,00,00,00
690 DATA 00,00,00,00,00,00,00,00

```

Program 2

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100 60000
;*** initialize ***
LD HL,flag ;done before?
BIT 0,001
BCR 02
BIT 0,001
CALL 60000 ;find OS version
LD 0,100003 ;and set vector
MOV 0 ;address to exit
JP 2,exit ;in v 1.0
LD HL,00703 ;in v 1.1
LD DE,00704
JP exit
;***
LD HL,0000A
LD DE,0000F
;***
LD 0vec1,0
LD 0vec2,00
CALL 60000 ;restore ROM state
LD HL,0vec0 ;copy initial 00
LD DE,0vec0 ;value to store
LD BC,04
LDIR
LD HL,00000 ;store jumpback

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.netrcloop

LD DD0,A
INC DD
DANE netrcloop
GET
jump program n. 0. 0000

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.dlqword

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DP clq
.jphere DEFS 3
.jrc1 DEFS 3
.jrc2 DEFS 3
.jflag DEFS 1
.jtickback DEFS 13
.jcounter DEFS 1
.jcount DEFS 3
.jvcthere DEFS 14

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.jrc1 DEFS 17
.jrc2 DEFS 17

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end

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Program 27

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LMB MODE 0
LMB CALL 80000
LMB CALL 80040
LMB DEFINT a=1
LMB LMBCL
LMB FOR a=0 TO 10
LMB INC a,a,Count MOD 27
LMB NEXT
LMB WORDEN 4,10
LMB FOR l=1 TO 14 STEP 13
LMB FOR j=0 TO 3
LMB FOR k=0 TO 3
LMB FOR l=1 TO 14 STEP 3
LMB LOCATE 0,1+j+k*4

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```

140 PAPER: j=0-11-175
150 PRINT STR$(a),j,j
160 NEXT j
170 NEXT k
180 NEXT l
190 NEXT l
200 WHILE INSTRACT=0
210 WEND

```