Program I

```
Pass... 2                ORG &A000

A000:                    .chr=&A11C
                         initialise
A000:21 53 A1            LD HL,flags
A003:CB 4E               BIT 1,(HL)
A005:C0                  RET NZ
A006:CB CE               SET 1,(HL)
A008:01 33 A1            LD BC,jump_table
A00B:21 54 A1            LD HL,workspace
A00E:CD D1 BC            CALL &BCD1
A011:21 60 A1            LD HL,block
A014:06 81               LD B,129
A016:11 D6 A0            LD DE,event
A019:CD EF BC            CALL &BCEF
A01C:3E 30               LD A,48
A01E:CD A5 BB            CALL &BBA5
A021:22 1C A1            LD (chr),HL
A024:C9                  RET
                         Print string
A025:                    .string
A025:E1                  POP HL
A026:                    .sp1
A026:7E                  LD A,(HL)
A027:CD 5A BB            CALL &BB5A
A02A:23                  INC HL
A02B:B7                  OR  A
A02C:20 F8               JR NZ,sp1
A02E:E9                  JP (HL)
                         Error
A02F:                    .error
A02F:CD 25 A0            CALL string
A032:                    DEF$ 'Parameter?
A03C:00                  DEFB 0
A03D:C9                  RET
                         Enable event
A03E:                    .enable
A03E:21 53 A1            LD HL,flags
A041:CB 46               BIT 0,(HL)
A043:C0                  RET NZ
A044:CB C6               SET 0,(HL)
A046:3E 02               LD A,2
A048:CD 0E BC            CALL &BC0E
A04B:CD 25 A0            CALL string
A04E:                    DEF$ 'Address:'
A056:0D 0A               DEFW &0A0D
A058:                    DEF$ 'Address:'
A060:00                  DEFB 0
A061:21 A0 D0            LD HL,&D0A0
A064:06 50               LD B,80
A066:                    .su
A066:36 FF               LD (HL),&FF
A068:23                  INC HL
A069:10 FB               DJNZ su
A06B:3E 01               LD A,1
A06D:CD B4 BB            CALL &BBB4
A070:21 00 00            LD HL,&0000
A073:11 01 4F            LD DE,&4F01
A076:CD 66 BB            CALL &BB66
A079:AF                  XOR A
A07A:CD B4 BB            CALL &BBB4
A07D:21 03 00            LD HL,&0003
A080:11 18 4F            LD DE,&4F18
A083:CD 66 BB            CALL &BB66
A086:CD AF A0            CALL mon
A089:21 5A A1            LD HL,tick
A08C:11 05 00            LD DE,5
A08F:42                  LD B,D
A090:4B                  LD C,E
A091:C3 E9 BC            JP &BCE9
                         Disable event
A094:                    .disable
A094:21 53 A1            LD HL,flags
A097:CB 86               RES 0,(HL)
A099:21 5A A1            LD HL,tick
A09C:C3 EC BC            JP &BCEC
Set monitor address
A09F:                    .monitor
A09F:21 53 A1            LD HL,flags
A0A2:CB 46               BIT 0,(HL)
A0A4:C8                  RET Z
A0A5:3D                  DEC A
A0A6:C2 2F A0            JP NZ,error
A0A9:DD 5E 00            LD E,(IX+0)
A0AC:DD 56 01            LD D,(IX+1)
A0AF:                    .mon
A0AF:CD 06 B9            CALL &B906
A0B2:F5                  PUSH AF
A0B3:ED 53 D7 A0         LD (&A0D7),DE
A0B7:21 0B C0            LD HL,&C00B
A0BA:7A                  LD A,D
A0BB:CD F6 A0            CALL print
A0BE:7B                  LD A,E
A0BF:CD F6 A0            CALL print
A0C2:21 10 00            LD HL,16
A0C5:19                  ADD HL,DE
A0C6:EB                  EX DE,HL
A0C7:7A                  LD A,D
A0C8:21 5B C0            LD HL,&C05B
A0CB:CD F6 A0            CALL print
A0CE:7B                  LD A,E
A0CF:CD F6 A0            CALL print
A0D2:F1                  POP AF
A0D3:C3 09 B9            JP &B909
                         Event routine
A0D6:                    .event
A0D6:11 00 AE            LD DE,&AE00
A0D9:21 11 C0            LD HL,&C011
A0DC:0E 02               LD C,2
A0DE:                    .again
A0DE:06 10               LD B,16
A0E0:                    .eloop1
A0E0:1A                  LD A,(DE)
A0E1:CD F6 A0            CALL print
A0E4:13                  INC DE
A0E5:23                  INC HL
A0E6:3E 09               LD A,9
A0E8:BB                  CP  B
A0E9:20 01               JR NZ,nospace
A0EB:23                  INC HL
A0EC:                    .nospace
A0EC:10 F2               DJNZ eloop1
A0EE:21 61 C0            LD HL,&C061
A0F1:0D                  DEC C
A0F2:C2 DE A0            JP NZ,again
A0F5:C9                  RET
                         Print hex number
A0F6:                    .print
```

```
A0F6:C5          PUSH BC
A0F7:D5          PUSH DE
A0F8:22 58 A1    LD (temp),HL
A0FB:F5          PUSH AF
A0FC:0F          RRCA
A0FD:0F          RRCA
A0FE:0F          RRCA
A0FF:0F          RRCA
A100:CD 0D A1    CALL printit
A103:F1          POP AF
A104:CD 0D A1    CALL printit
A107:2A 58 A1    LD HL,(temp)
A10A:D1          POP DE
A10B:C1          POP BC
A10C:C9          RET
A10D:            .printit
A10D:E6 0F       AND &0F
A10F:C6 90       ADD A,&90
A111:27          DAA
A112:CE 10       ADC A,&10
A114:27          DAA
A115:6F          LD L,A
A116:26 00       LD H,0
A118:29          ADD HL,HL
A119:29          ADD HL,HL
A11A:29          ADD HL,HL
A11B:11 00 00    LD DE,0
A11E:19          ADD HL,DE
A11F:EB          EX DE,HL
A120:01 08 08    LD BC,&0808
A123:2A 58 A1    LD HL,(temp)
A126:23          INC HL
A127:22 58 A1    LD (temp),HL
A12A:            .loop
A12A:1A          LD A,(DE)
A12B:77          LD (HL),A
A12C:13          INC DE
A12D:7C          LD A,H
A12E:81          ADD A,C
A12F:67          LD H,A
A130:10 F8       DJNZ loop
A132:C9          RET
                 Jump table
A133:            .jump_table
A133:3E A1       DEFW name_table
A135:C3 3E A0    JP enable
A138:C3 94 A0    JP disable
A13B:C3 9F A0    JP monitor
                 Name table
A13E:            .name_table
A13E:            DEF$ 'ENABL'
A143:C5          DEFB &C5
A144:            DEF$ 'DISABL'
A14A:C5          DEFB &C5
A14B:            DEF$ 'MONITO'
A151:D2          DEFB &D2
A152:00          DEFB 0
                 Flags
                 0=event on/off
                 1=RSX initialised
A153:            .flags
A153:00          DEFB 0
A154:            .workspace
A154:00 00       DEFW 0
A156:00 00       DEFW 0  ;for OS
A158:            .temp
A158:00 00       DEFW 0
A15A:            .tick
A15A:            DEFS 6
A160:            .block
A160:            DEFS 7
A167:            END
```

Program II

```
10 REM PROGRAM II
20 MEMORY &9FFF
30 a=&A000
40 INPUT a$
50 POKE a,VAL("&"+a$)
60 a=a+1
70 GOTO 40
```