

hex naar decimaal

bv.

0 1 2 3 4 5 6 7 8 9 A B C D E F
10 11 12 13 14 15

D018

$$\begin{aligned} & \rightarrow 16^0 \cdot 8 = 8 \\ & \rightarrow 16^1 \cdot 1 = 16 \\ & \rightarrow 16^2 \cdot 0 = 0 \\ & \rightarrow 16^3 \cdot D(13) = \end{aligned}$$

$$A = 10$$

$$B = 11$$

$$C = 12$$

$$D = 13$$

$$E = 14$$

$$F = 15$$

$$8 + 16 + 0 + (4096 \cdot 13) =$$

$$8 + 16 + 0 + 53248 = \underline{\underline{53272}}$$

$$\text{HIGH BYTE} = \text{INT}(\text{ADRES} / 256)$$

$$\text{LOW BYTE} = \text{ADRES} - (\text{HIGH BYTE} * 256)$$

HIGH BYTE in 789 (0315)

LOW BYTE in 789 (0314)

ADRES = start adres programma

SEI

LDX #00 } \Rightarrow interrupt prog. d.v. op \$C000

LDY #C0

STX \$0314

STY \$0315

CLI

RTS

```
.,1000 A2 00    LDX #000
.,1002 8E A7 02 STX $02A7
.,1005 AD A7 02 LDA $02A7
.,1008 C9 08    CMP #08
.,100A F0 F4    BEQ $1000
.,100C AD 11 D0 LDA $D011
.,100F 29 F8    AND #$F8
.,1011 6D A7 02 ADC $02A7
.,1014 8D 11 D0 STA $D011
.,1017 EE A7 02 INC $02A7
.,101A A2 00    LDX #000
.,101C A0 00    LDY #000
.,101E C8       INY
.,101F C0 FF    CPY #$FF
.,1021 D0 FB    BNE $101E
.,1023 E8       INX
.,1024 E0 FF    CPX #$FF
.,1026 D0 F4    BNE $101C
.,1028 4C 05 10 JMP $1005
```

scrolling

WACHT OP SPATIE BALK (\$20)

```

?
.,C000 20 E4 FF JSR $FFE4 — scan keyboard ←
.,C003 C9 00 CMP #$00 — niets? ←
.,C005 F0 F9 BEQ $C000 — ga dan terug ←
.,C007 C9 20 CMP #$20 — is het 20 (spatie)? ←
.,C009 D0 F5 BNE $C000 — nee?, dan terug ←
.,C00B 60 RTS — keer terug
    
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wacht op spatie balk + kleuren achtergrond.

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.,C000 A2 00 LDX #$00 — x op 0
.,C002 20 E4 FF JSR $FFE4 — scan keyboard ←
.,C005 C9 00 CMP #$00 — niets? ←
.,C007 8E 20 D0 STX $D020 — x in 53280 ($D020)
.,C00A E8 INX — hoog x 1 op
.,C00B F0 F5 BEQ $C002 — is a 0? ja? ←
.,C00D C9 20 CMP #$20 — is a 20? ←
.,C00F D0 F1 BNE $C002 — nee! ←
.,C011 60 RTS — ja!
* 1000 20 44 E5 JSR $E544 — ja! — scherm schoon
  1003 A9 00 LDA #$00
  1005 8D 20 D0 STA $D020
  1008 8D 21 D0 STA $D021
  100B A9 1D LDA #$1D — 29
  100D 8D 18 D0 STA $D018 — 53272
  1010 A9 D8 LDA #$D8 — 216
  1012 8D 16 D0 STA $D016 — 53270
  1015 A2 00 LDX #$00
  1017 BD 00 20 LDA $2000,X — 2100
  101A 9D 00 04 STA $0400,X — 0500
  101D BD FF 20 LDA $20FF,X
  1020 9D FF 04 STA $04FF,X
  1023 BD FE 21 LDA $21FE,X
  1026 9D FE 05 STA $05FE,X
  1029 BD FD 22 LDA $22FD,X
  102C 9D FD 06 STA $06FD,X
  102F BD 00 24 LDA $2400,X
  1032 9D 00 D8 STA $D800,X
  1035 BD FF 24 LDA $24FF,X
  1038 9D FF D8 STA $D8FF,X
  103B BD FE 25 LDA $25FE,X
  103E 9D FE D9 STA $D9FE,X
  1041 BD FD 26 LDA $26FD,X
  1044 9D FD DA STA $DAFD,X
  1047 E8 INX
  1048 E0 FF CPX #$FF
  104A D0 CB BNE $1017
    
```

een scherm
 inlezen
 (kleur + tekens)

tekens op \$2000 ⇒ 0400
 \$20FF ⇒ 04FF
 \$21FE ⇒ 05FE
 \$22FD ⇒ 06FD

kleur op \$2400 ⇒ D800
 \$24FF ⇒ D8FF
 \$25FE ⇒ D9FE
 \$26FD ⇒ DAFD

0400 = 1024
 D800 = 55296

font 1
(dus...)