HEX TO ASCII CONVERSION

```
0285
        9F
              GHI
                    RF
                          Get the hex byte
  86
        F6
              SHR
                          ;Shift right x 04 for MSD
  87
        Fб
              SHR
  88
        F6
              SHR
  89
        F6
              SHR
  8A
        ΑE
              PLO
                    RE
                          ;Put in RE.O to pass to sub
  8B
        D4
                    R4
              SEP
  SC
        02
                          ; Call Convert Hex/ASCII
        98
  8D
                          ; (Answer in RE.O)
  8E
        8E
              GLO
                    RE
                          ; Put the result in RE.1
  8F
        BE
              PHI
                    RE
0290
        9F
              GHI
                    RF
                          Get same hex byte
        FA
              INA
  91
  92
        OF
                          :"AND" with OF for LSD
  93
        ΛE
              PLO
                    RE
                          ; Put in RE.O to pass to sub
  94
        D4
                    R4
              SEP
  95
96
        02
                          ; Call Convert Hex/ASCII
        98
  97
        D5
              SEP
                    R5
                          ; Return - two byte answer in RE.1 & RE.0
                     CONVERT HEX/ASCII
0298
        8E
                          Get digit passed by caller
              CLO
                    RE
  99
        FD
              EDI
  9A
        09
                          ;09 - value (if negative, value > 09)
        33
A1
              FPZ
  9.B
  9C
                          ; Branch if positive (a number)
  9D
        SE
              GLO
                    RE
        FC
  9E
              ADI
                          ; Add 07 to all letter values
  9F
        07
0210
        ΛE
              PLO
                    RE
        E8
              GLO
                    RE
  \Lambda 1
  A2
        FC
              ADI
                          ; Always add 30 to complete conversion
  A3
        30
  A4
        AE
              PLO
                          ;Put result in RE.O
                    RE
        D5
              SEP
                    R5
                          :Return
  A5
                    POINT TO INSTRUCTION
02A6
        E2
              SEX
                    2.
                          X = 2
                    RA
  A7
        SA
              GLO
                          ;Strip last 4 bits from RA.0
  A8
        FA
              ANI
  A9
        FO
        52
              STR
                          ; Push
  \Lambda\Lambda
                    R2
        ĒЗ
  AB
              LDI
        05
                          :Or stack with 06 creating a byte N6 that
  AC
                          ; Will point to the instruction field
  AD
        F1
              OR
              200
                          ;Put in RA.O
  ΔI
        AA
                    RA
        D5
              SEP
                    R5
                          ;Return
  \Lambda F
```