

x0 x1 x2 x3 x4 x5 x6 x7 x8 x9 xA xB xC xD xE xF

00x 7F 45
x2 .. 4C 46 0A 00 9E (2 4 9 1) \0 00

01x 02 00 3E 00 00 00

x6 00 00

11x 00
x1 .. B G G P 2 0 2 1 G O T M
x2 .. E T H I N K I N G S T R A N
x3 .. G E - x c e l l e r a t o r
x4 .. \n \r \0 \$

1Bx E8 C7 FE E8 84 FE BE 11 7D E8 CE FE
xC A9 0E 20 D2
1Cx FF A9 09 85 21 A9 10 85 20 20 CC 09 60

xD A0 00

xF B1
1Dx 20 C0 21 F0 0B C9 00 F0 0D 20 EB 09 C8 4C CE 09

1Ex 20 E6 09 4C D4 09

x6 60

x7 A9 0D 4C EB 09

xC C9 40 90 02

1Fx 49 20

x2 4C D2 FF 90 60 B4 00 CD 16 61 EB B2 55 AA EOF

BASIC (LOADED AT \$0801)

C64 BASIC

LINE	
4+2	Line 10
6+1	Token 0x9E SYS
7+8	Argument ' (2491)' \$9BB-> 0x1BC
F+1	Token 0 END OF LINE
LINE	
10+2	NextLine +2 -> 0x16
12+2	Line 15872
14+2	Token 0 END OF LINE
LINE	
->16+2	NextLine 0 END OF PROGRAM

6502 ASM

STRING (\$0910)
->111+33 | String BGPP...or\n\r\0\$

START (\$09BB)
->1BC+2 | lda #0x0e FULL CHARACTER SET
1BE+3 | jsr 0xffd2 C64 CHROUT
1C1+2 | lda #>msg (\$09)-> 0x0x111 -> (\$0910)
1C3+2 | sta \$21 HIGH BYTE
1C5+2 | lda #<msg (\$10)-> 0x0x111 -> (\$0910)
1C7+2 | sta \$20 LOW BYTE
1C9+3 | jsr \$09cc CALL PRINTSTR
1CC+1 | rts RETURN TO BASIC

PRINT STRING ROUTINE (\$09CC)
1CD+2 | ldy #0x0 RESET Y
LOOP (\$09CE)
->1CF+2 | lda (\$20) y READ IN A CHARACTER
1D1+2 | cpy #\$21 AFTER 33 CHARS
1D3+2 | beq +\$b JUMP TO EXTRACR-> 0x1E0
1D5+2 | cmp #0x00 \$00-TERMINATED STRING
1D7+2 | beq +\$d JUMP TO DONE-> 0x1E6
1D9+3 | jsr \$09eb JUMP TO PRINTCHAR-> 0x1EC
1DC+1 | iny INCREMENT Y
1DD+3 | jmp \$09ce JUMP TO LOOP
EXTRACR
->1E0+3 | jsr \$09e6 PRINT A CR-> 0x1E7
1E3+3 | jmp \$09d4 JUMP BACK INTO LOOP-> 0x1CF
DONE
->1E6+1 | rts RETURN

PRINTCR ROUTINE (\$09E6)
->1E7+2 | lda #13 CARRIAGE RETURN
1E9+3 | jmp \$09eb JUMP TO PRINTCHAR-> 0x1EC

PRINTCHAR ROUTINE (\$09EB)
->1EC+2 | cmp #64
1EE+2 | bcc +\$2 DONE
1F0+2 | eor #0b00100000 CONVERT CHAR

DONE
1F2+3 | jmp \$ffd2 C64 CHROUT

x0 x1 x2 x3 x4 x5 x6 x7 x8 x9 xA xB xC xD xE xF