

MOV BL, Z 0000011113 23-12+3 MOU AL, SS: [BX] MOU AL, DH MOV DH, AL 5,AL DS, AX MOV

DX push POP WORD PTR[BX] pushf POP XCHG AX, SI

CALL INT 21H 10H Video BIOS IRET 16H Tosst 13105

MOU AHAD jüzemméd 1 MOU AL, 3 ifajta 1 NT 1 PH MOU AXIS INT 10H

Mov AL, 'S' Hov DX, 'AB' Direktiva: ORG, END DB DB 1317,-1

DB Szervusz! DB 13,10 DB 37 DUP('C') DB 200 DuP(Z)

5,65000,-31000 DV7,77,3.2,0. DD DQ .13, 7.7,8 2.13

BYOFFSET ITT MOV String kilkatus MOU AH, 9 MOU DX, OFFSET...

LABEL DIREKTIVA

1P-+ mb.doss4-5 INT IRET MMP L CALL 1 RET RETH

C, NC LJ 2, NZ NM, NP S, NS PO, NPO 0,10 PE, NPE M, P

A, B, AE, BE NA, NB, NAE, NBE G, L, GE, LE NG(NL) NGE, NLE

LOOP $CX \leftarrow CX-1$ LACI-MOVCX12 ho CX nem 0, ugrik LOOP LAC)

LOOPE V. LOOPZ

LOOPNE V LOOPNZ

JZ MESSZE GNZ AT MNU AV - MESSZE Mou AX5 MCX2

ORG 100H

START:

BUBU: BUBU LABEL CODE

57ART:

Sloved DB SZERV....

MENNY EQU 10

MOU CX, MENNY)

ARITMETIKAI IN C BYTE PTR LBYT WORD PTR [BX] IN C

NEG cel, forras ADD SUB Celiforns ADC SBB CMP

MUL, MUL L AX = AL * 8bit DX:AX C-AX * 166it

ALCHANY. AX: 8bites AXCHAMY. DX:AX :16b;x

CMP AL, Q 72 K12 EP LOGIKAI MÜVELETEK AND WY

01011100 AND 00001111 XOR AX, AX 000011 On TESTWIN 01011100 OR 00001111 OR ALIAL 61011111 01011100 XOR 00001111 01010011

NOT W; XORWAFFH XOR 4,-1 MOU DC, 1+1 Mov AHZ INT Z1H

AH12; Karakerkilids MOV D4 BL MoV 1NT 21H MOV OL 1+1 INT 2114 MOU DL, BY INT ZIH

ASCII eltunteths AND BL, 0000 1111B XOR BL, 16 SUB BL, 1001 $0011 \times \times \times \times = 10^{1}... 19^{1}$ 66110000 ->10) AND BX, 0000111100001111B

ADD BL, BH Karakteres, to s ADD BL, 10) XOR BL, 10) OOO 100 0 1 00110000

MOV DC, BC 1NT 214

AND BL, ODDO11118
ADD BL, BH

Leptets és forgats C+,1 SHR BP,1 SHL, AX, CL SAR SAR Gy

SAL=SHL

ROL ROR

12345678 MOU BY OFFSET BSZ MOU AX, [BX] ACFO ADD [BX3,AX MOU AX, [BX+27 2468 ADC [BX+2], AX

DWORD PTR[BX],1 y 0101100111100000 [BX]
1 5 19 | € 0 5-90109100910100001 [BX+2] RCZ DWORD PTREX+2],1 EGYEB

CLC STC

CLI

STI

NOP

HLT

(LD)

STD

MOV SLOFFSET FOR MOV DLOFFSET CEL MOV CX, MENNY

MACI:

MOU ALICSIZ MOU COBJACI INC DIACI String kezelő utasitások:

MOUSB i) OS:[SI] > ES:[DI]

MOUSW is

REP LODS B i ALIDS: [SI] LODS W i AX,05:[SI]

STOS B ES: [DI] AL STOS W I ES: [OIJ] PIOFFSE TAR CX 250 MOV XOR AXIAX Stosu REP

CMPSB; DS:[SI]-Es:[OU bitos CMPSW j - 1)- SZZWAS REPZ UNY REPE REPNZ 1999 REPNE SCASB; CHP ALIES: EDITS
SCASW; CHP AX, ES: [DITS

80. FF -> parancssor

MOV 51,80H 1-005B CMP AL, O 72 URES MOV AHO Mor CXIAX

MOV 51,8014 LODSB OR ALIAL YZ URES INC 51 LODSB CMP AL, ODH 72 VEGE

MOV SIRDLY LODS B OR AL,AL 当み URES INC 51 LOPSB CMP AL, 'D' YB HIBA (MP JA-MIBA BL, AL

LDDS B CMP AL,4 JNZ MIBA LOPSB CMP AL, 10 JB HIBA CMP ALIGI MOU BHA LOSDSB EMP ALID

HOW AH, 2 MOU DL, BL INT 214 MOV DC, 41 INT 214 MOU DL, BH MIS TUI MOV DC, 1= 1NT 21H

SUB BL, 1001
MOU DL, BL
ADD DL, BH

MT 21H

AHE AL DIV 10 ALE AL MOP 10

MOVAL, BL AAM MOV CLIAL MOU DL, AH OR PL,10 MOV AH, Z INT ZIH, HOU DL, CL

OR 04/61 INT 21/4 CIKNOR: XOR 51,51 AH, 8 214 INT AL, ODH VEGNOR (MP 42 nc,Al MOV AH,2 MOV 21H AND AX,00000000000001111B

XCH SI, AX MOV 0X,10 MUL DX ADD SI, AX JMP CIKNOR

MOV D1,10 XOR CXICX MSZCIK: YOR DY, DY MOV AX, S) DIV DI PUSH DX $| \mathcal{N} \subset$ $\subset X$ SIAX MOV AXAX O R 4112 OSSCIK

MOV AHIZ KIICIK: POP DY OR 01,10' 1NT 2141 LOOP ICIICIK A0000 B0000 B8000 FFFFO AT
FFFF: OXT

B8002 B8000 B8001

V B G R I B G R

MOV AX, ØB800H MOV ES, AX MOU CXIMENNYI NOU SI, OFFSET SZ XOR DI, DI

CIKPAK:

LODSB STOSB INCBI LOOP CIKPAK

DB IBALWFELSOI SZ DB MENNY EQU \$- S2 FH,8 nov 214 INT CXMENUY) AL,III MUV MOV TOCIKL: STOSB INC BI LOOP TOCIKL

MOU CY, BOX25 XOR 51,5/ XOR D1, D1 KECIK: MOU AL, ES: [SI] ADD SI, 2 CMP ALI'V' SNZ NEMUCH WEHVCH: IN C b) LOOP KECIK

KECIK:

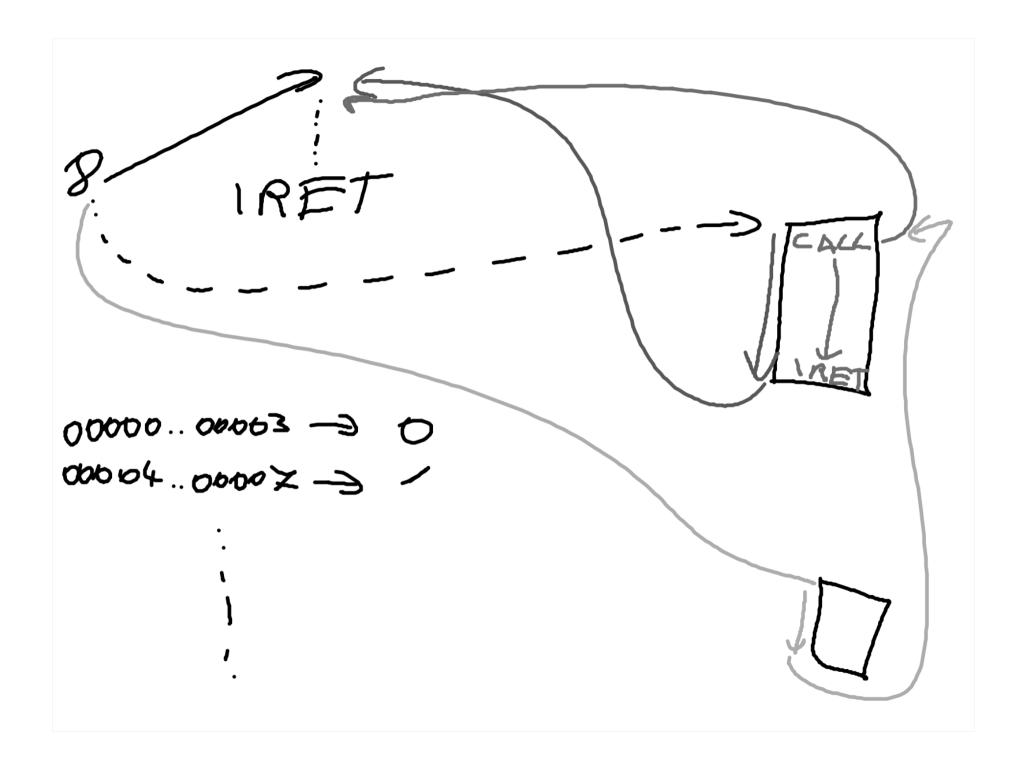
CMPBYTEPTRES: [ST3, 'V

MNZ NEMVCH

NEMVCH: INC DI

ADD 5/12

LOOP KECIK



YOR AY, AX MOV ES,AX AY, ES: [8*4] 010V DX, ES: (8*4+2) MON RE 61],AX MOV RE61+23,107 REG1

CLI MOV ES: [8*4], CS ES [8X4+2], OFFFSET SADAT MOV SAJAT: PUS4 PUSH POP PWOR PTR(S:[REG]] MAP

DAY CYO' mappelenité's elreites 13" ollapot lekérdezés (X x X, DX L, BX L gombok

INT 16H "O" Leûtésvaras 11 Leûtés àllapot lekémezés

HOU AX, 1 INT 33H pou Ax,3 INT 33 H OR CX, DX AND CX, NOT 7 32 KILEP MOV AH, 1 INT 16M JZ VAR

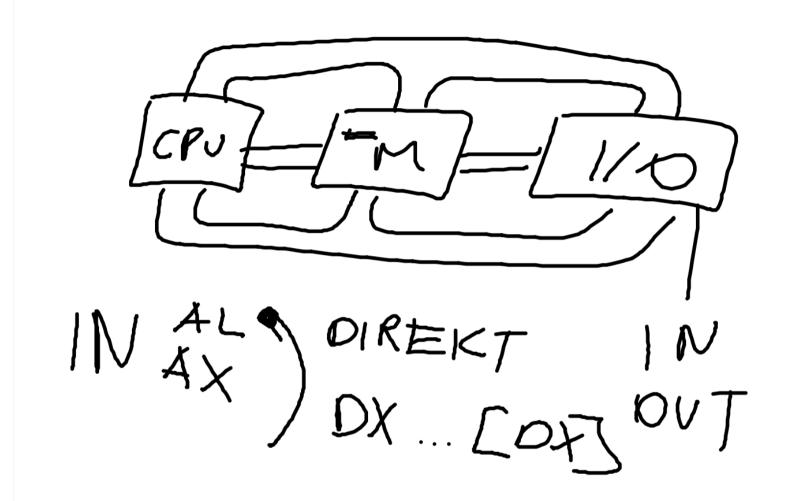
VAR:

MOV AHAD IMT 164 CMP AL, 1B4 TNZ VAR

KILEP

MOU AXIZ INT 334 MOU AHIACH INT 21+1 MOV CL,3 SHR DX,CL SHR CX,CL

MCGA 13H) mid A000 Szermens



OUT INDIREKT AL AH

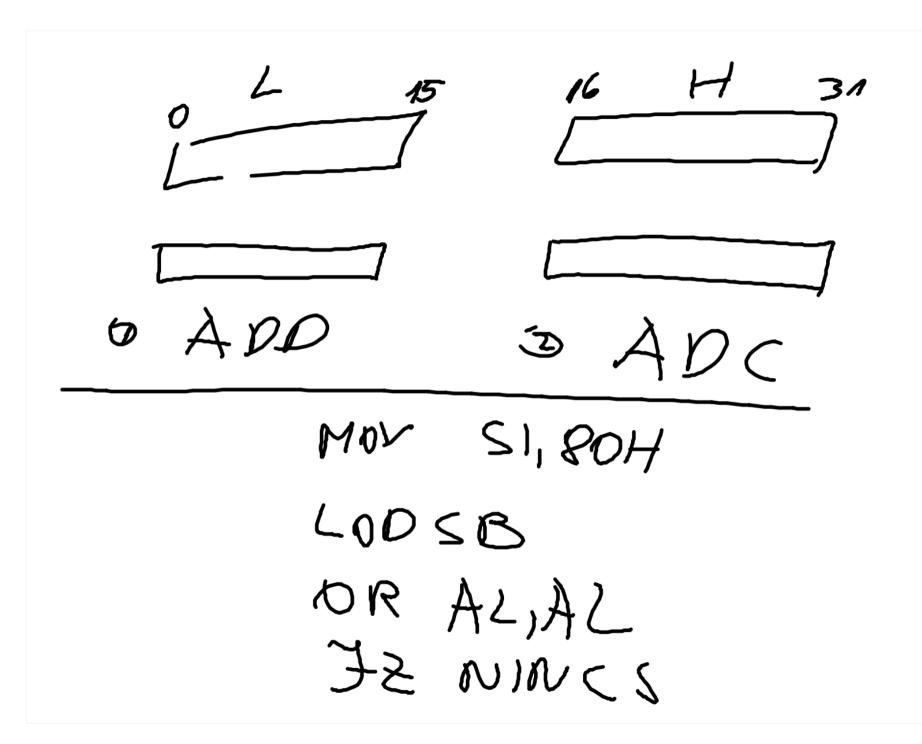
MOV DX 3C8H Mov AL, 1 OUT DX, AL INC DX MOU AL, 63 out dy, al Mov ALIO OUT PX, A) OUT DX, AL

MOU AX, QAPPQH MOU ES, XX HOU AX, 13/1 MOV DX13<8+) MOV AL,1 OUT BY AL HOU BY, AZ OUT DX'AL

OUT OX,AL DEC DX MOU ALIZ OUT DX AL IVC DX MOV AL, 63 OUT DXAL OUT DX, AL OUT DXIAL D≠ < Dχ HOU ALI 3 OUT DX AL

INC DX MOU AL, O OUT DX, AL MOU ALI63 OUT DX, A L MOL AL, O OUT DX A1 MOU D1, 707320+110

MOV CX120 MOV AL, 1 PICIK: PUSI1 CX 100 CX,100 REP STOSB レみ6丁. ー ー -MOU ES:613, AL INC LOOP POP ADD P1,220 LOD P1,220



MOU DI, OFFSET SOKBYT

MOU CX, 8000/2

MOU AX, (25*256)+25

REP STOSW

SOKBYT DB 8000 DUP(2)

0-1F vezérlő korrakterek 11....1/ 20-2F 30-39 10 --- 19 3A-3F 1:1----151 101 41-5A 1A1....1>1 61-7A la! --- 3.