PC-+ middosi La utasi Ld 506 Feltetelos ugro \mathcal{J}_{p} NC Z,F NZ NE No Mésp NMESNP E-Löjdnelkül B AE BR

NBE NB NB ELSieles

C WLE NGE

GE NL

-E NG

PE NPO PO NPE

LOOPE LOOPNZ LOOPE LOOPNZ 72 LACI

LACI:

MOV CX, 8 CKLUS: CIKLUS CKIMA.

MOU CX,5

LOOP CIKIMA

OLLOP: MOU BX, OSZLOP Mov CX, SOR SORCIK: LOOP SORCIK
PEC BX
MNR OSSLOP OSZCIK! MOU CX, OSZLOP PUSM CX MOUCX, SURSZA SORCIK: Loop Sercik POP CX LOOP OSSCIK

\$CXZ

JMP SHORT LACI

FIZ MESSZE TYNZ KOZEL
MMP MESSE

KP2EL:

MESSSR:

Aritmetikai utasitssok AX, BX [r]

51,8 SUB SBB INC DH word ptr [Bt] NES

CMP ALIQ' SUB AX, AX

MUL
16 bites Evtil
AX = AL * 8bit

DX:AX = AX * 16bit

IMUL 16 bitesérték DX: AX /16bit N AX /8617 MAH

DUDU LABEL WORD DB PO DB 38 DUP (?) 20 DW 5,-1,65535,1kz Mou ALIPOT

DD 3.2, 2.4 = 8 DQ 7.17, -8,5 DT LOGIKAI AX, OOFFH AND OR CXBP XOR AL, 11110000B TEST ALIOFH NOT

01000010 11110101 0000000 11111111 00000000 11116161

XOR AX, AX

AND AX, OFH 304->10/ 31H -> 111 MOU SI, AX MOU AX,10 MUL CX ADD AXIST 33H -> 171

OR AX, AX AND AX, AX ADD AL 30

VARAKO:

NOP

LOOP VARAKO

CLC ST(CMC

CLZ STZ CLI CLDSTI CLI

HLT

String kezels Mov CX312 MOU BX, OFFSET RO MOV BP, OFFSETCE CIK: MOU ALICBY] MOV [BP]AL INC BA

LOOP CIK DS: [SI] forrights ES: COD CEL MOUSB Mov SW

MOU CX, B12 MOV SI, OFFET FO MOV DI, OFFSET CE CIKLUS: MOVSB L'LOOP CIKLUS REP MOUSB

B ALE DS: [S] LODSN AX, C-OS: CSIJ STOSW ES: EDIT = AL ES: EDIT = AX MOV CX, 250 MOU DI, OFFSET TER XOR AXIAX REP STOSW

SCASW AX OH ES:[0] REPZ REPE REPNZ REPNE CMPS M

LEA AX, [BX] LEA AX, CBX+8] LEA EAX, [EBX*4] [EBX*4+EBY] LOS DX, [40AT]

ADAT DD 12345678H

1000 11111000 XOR AXAY CWD YLAT => MOU AL, [BX+A]

LACI DW 3

ADD AL, 994 ADD AL ADD AL, KORR

0000:0000 XT FFFF:0000 FOOD: FFFO SIL

YOR AX,AX
MOV ES,AX CLI MOU SI, ES: [21/444] MOV DI, ES: [214 *4+2] MOU ES: [214*4], CS
MOU ES: [214*4], CS
1190-

MOU WORD PTR [[TCIM], SI MOV NORD PTR [ITCIM +2], D)

ITCIM DD ?

TRUT: PUSM .-

POP.__ MMP (S: [ITCIM] IT RUT:

PUShACS: [ITRUT]

IRET

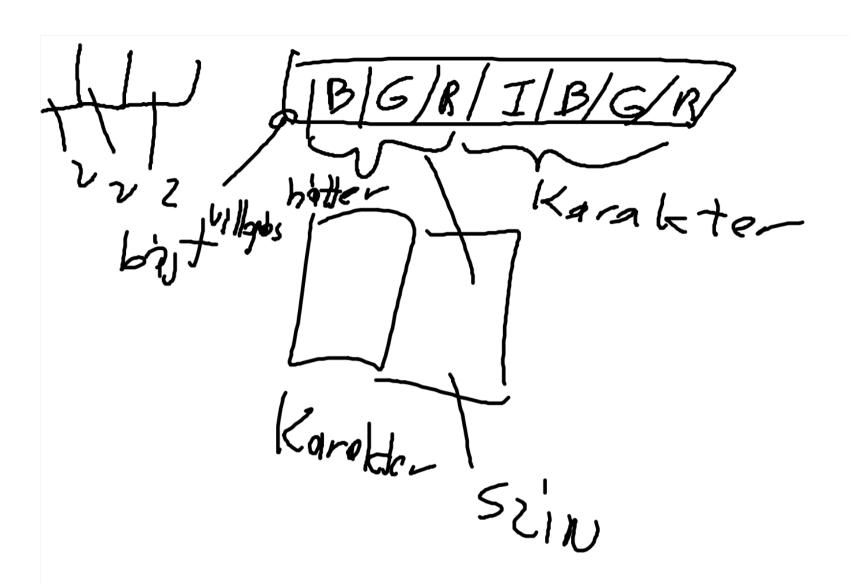
push f push cs push ip CS:IP = ijevlek XOR AXIAX INT 33H OR AX,AX FZ NINCSA Mov AX1 1NT 33H

Mov Ax,2 1117 33H Mov AH,4-CH INT Z1H

MOU AX,3 INT 334 CX X pozició DX Y pozició BX = myomogombok allapota

AHER leutés vairàs
La AL e-Leutés kódin AHE1 Leûtés virsgalax L>2 -> NINCS levites N2 -> van leütés AL-> kod

B800 MOV AXIOBSOOH MOU ES, AX



MOV AX,3 INT 33/1 AND CXOFFSH AND DIOFFFRH DIRLP DIR/P

ORG 100H

16 16 16

100

PARTOS DR S SOH
PARHAT BB ?
PARCHR DIB 126 DUP (?)

OR G MOOLY
MOU SLOFFSET PARHO
CMP byte ptr[s], 0

MOV 51,80H LODS B CMP AL 3 SNZ HIBA INC SI LODSB CMP ALIO JB HIBA CMP AL, 19' MA LIBA

MOU BL, AL 1005B CMP ALITI FNZ HIBA MOU ALEIJ , NC 31 LODSB = CMP AL, 0 JB HIBA CMP AL,191 JA HIBA

HOU BHIAL MOV AHIZ MOV DL, BL 1NT 21H man DC, 41 INT ZIH MOU DLIBH MOUT BLIGHT 1NT 71 H

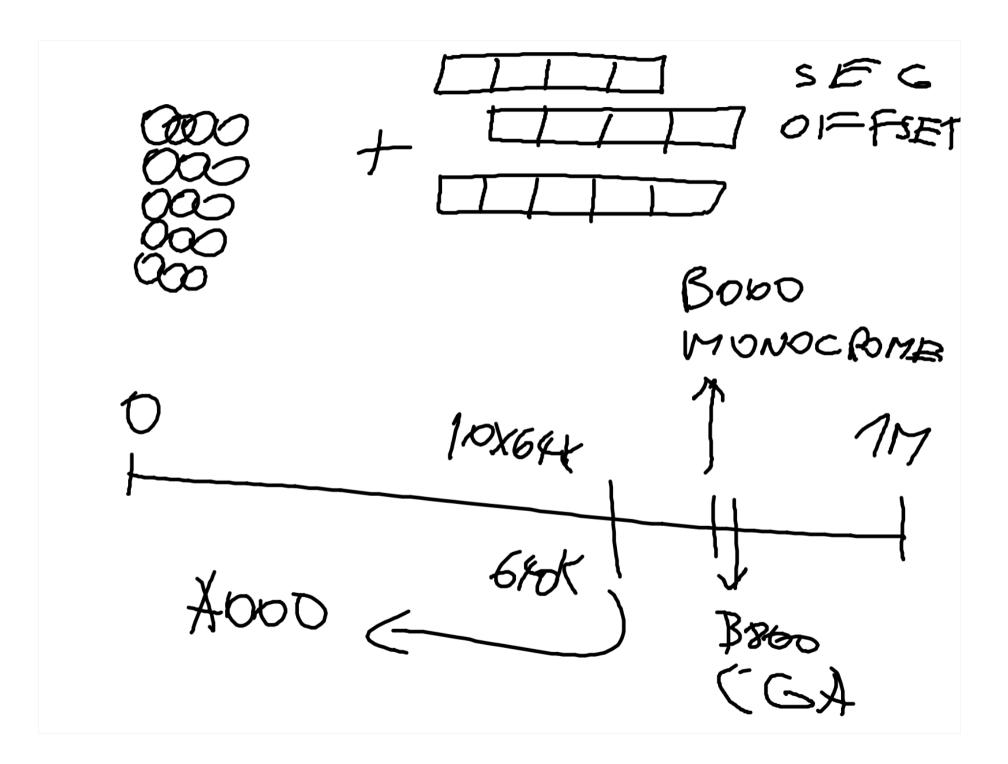
SUB BH, 10' SUB BL, 10' ADD BL, BH ADD DL, BL

MOV ALIBL OR AH, AH 72 EGT MOU BL, AL MOU DLIAH

F 67:

MOUDAHIZ MOUDLIA INT ZIH

MOV S/1 82H CIKLUS: LODSB
CMP AL, 13
72 KESZ AND AX, 111113 XCHG AXIDI Mov CXID DIMAX.



MCGA 320X200 256 szinű 13Hüzemmód Vo port szinszomhoz:308

1/0 port szinsszeteubhözi3(9

AX,13H INT 104 A YWA POSH MOV MOU AX3 INT 10H

SZELES E QU AGAS (200-(SKMAGAS)) /2)+320 KESDOG (30-SSEVES)/2 →320

SORRUT: MOV CX, MAGAS SORKI: PUSH CX MOU CX, SZELES REP STOSP ADD D1, 320-SZFLES LADD SORKI

MOV DI, KEZDOS+KEZDOO MOU AL, 1 SZINEK: CALL SORRUT INC A) CMP AL14 JNS SZINEK

MOU DX, 3C8H MOU AL, 1 out ox Al /NC DX MOV 24, 63 OUT DXXL

のEC DX MOU ALIZ OUT DX,AL いんく ロン MOU A4163 out phal OUT DY'AL

PEC PY MOU AL, 3 OUT DX.AL INC DX MOU AL, 5 out DXAL MOVAL, 63 out by AL MOUALID BUTPHAL

MOUDXOFFSET ZZ PUSHDY RET

55.

MOU BX, OF ESETRIZU

SHL word ptr [BX], 1

RCR Word ptr BX], 1

FRU:

DB 4 DUP(0)

MOU BY, OFFSET SATTON MOU CX, 100 NULLAT: Mor byteptr[BX], o INC BX LOOP WULLAZ SAGTOM DB 100 DP(?)