
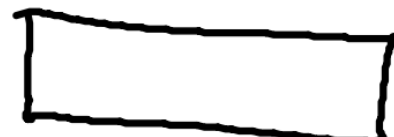


 IP

 SP

 BP


 SI

 DI

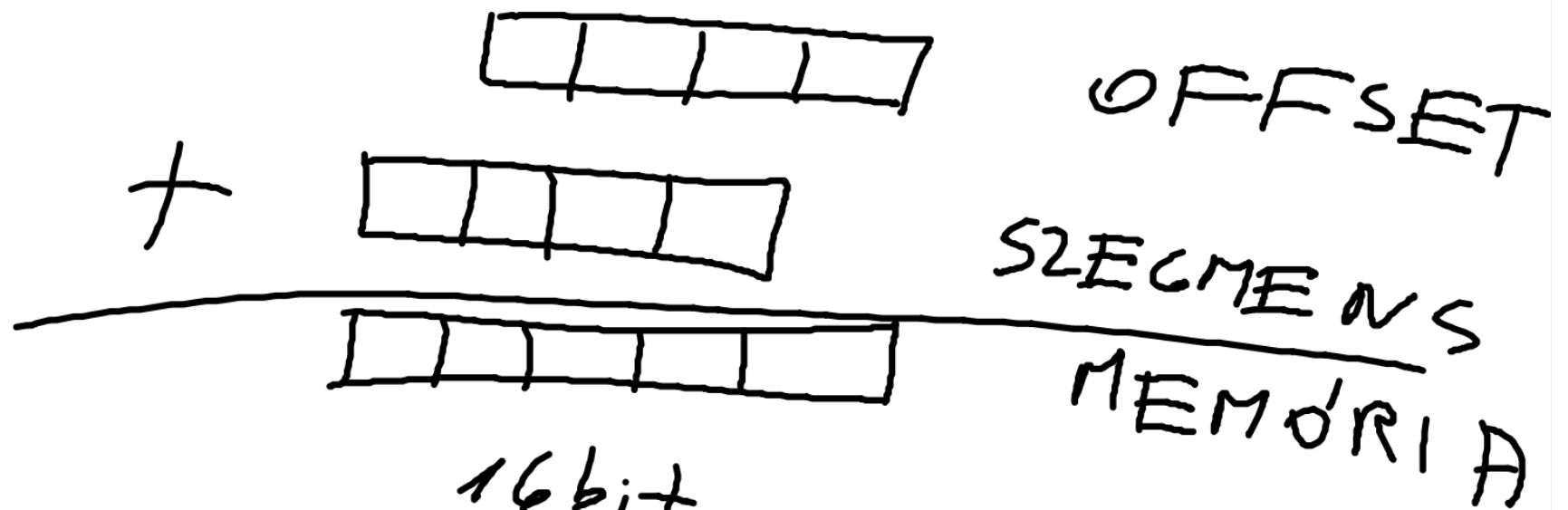
AX 

BX 

CX 

DX 

 FLAG



MOV

AX, BX

MOV

AL, 8

'B'

0CH

10111000B

-9

0BAH

MOL

AL, [182BH]

MOL

[BX], CH

MOL

SI, [SI]

MOL

BX, [DI+8]

~~MOV CS, 8~~

~~MOV 15, AL~~

~~MOV AL, 317~~

XCHG BX, SI

INPUT OUTPUT:

IN AL KONSTANS (0..255)
 AX)
 DX

OUT DX
 Konst (0..255)) AL
 AX

STACK

push

(16 bites)

pushf

pop

— 11 —

popf

~~push~~

~~AL~~

push

✓ [1234H]

Mov AL, [1234H]

Mov AX, [1234H]

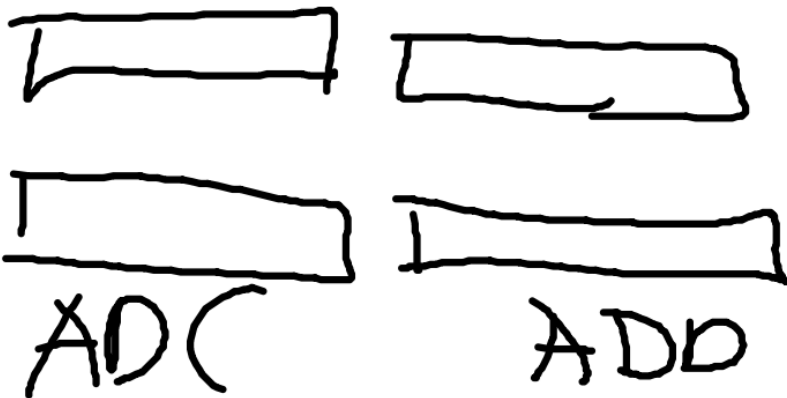
WORD PTR
BYTE PTR

Mov [1234H], J

ARITMETIKA,

ADD BX, 51

ADC $\sqrt{[BP]}$, 8



SUB

AX, [BX+SI]

SBB

CX, 4

CMP

AL, 'H'

NEG

BX

INC

AL

DEC

BI

PC + módosító ut.

JMP

LACI

CALL

BEA

RET

J_{IF}C

JZ

JS

JM

JPO

JPE

LOOP, LOOPE, LOOPNE

JNC

JNZ

JNS

JP

JNPO

JNPE

JCXZ

JA

JB

JA E

JB E

JNA

JNB

JNA E

JNB E

FG

FL

FGE

GLE

FO

FE

FNG

FNL

FNGE

FNLE

FNO

FNE

INT (6..255)

INT 10H → Video

INT 16H → Laser

INT 13H → floppy + windi

INT 15H → soros

i

INT 21H

MOL AX, 3

INT 10H

INT21H Kódok

AH ← 4CH

AH ← 1

AH ← 8

Leütésvadás (visszhangos)

— 11 — (néma)

AL ← leütés kódja

AH ← 2

DL - bül

karakter kiiratas

AH ← 9

DX által címzett

helyről string

Kiírása

DB

0, 5, -7, 'K', 88H

BUBU DB

'Szerwusz\$'

DW

DD

3, 3.0

DQ

DT

MUL

8v. 16 bites

$AL * 8bit \Rightarrow AX$

$AX * 16bit \Rightarrow DX:AX$

IMUL

DIV
IDIV

8 bites v 16 bites

— 11 —

AX: 8 bites → Helyados AL
→ Maradek AH

DX: AX: 16 bites → Helyados AX
→ Maradek DX

MOV SI, OFFSET forv

MOV DI, OFFSET cel

MOV CX, DARABs

MASCIK:

REP MOVSB {
MOV AL, [SI]
MOV ES: [DI], AL
INC DI
INC SI
LOOP MASCIK

} MOVSB

MOVS B
MOVS W

CLD
STD

LODS B
LODS W

$AL \leftarrow [SI]$
 $SI \leftarrow SI + 1$

STOS B
STOS W

$ES:[DI] \leftarrow AL$
 $ES:[DI], AX$
 $DI \leftarrow DI + 1$

SCASB

SCASW

CMP AL, ES:[DI]

CMP AX, ES:[DI]

DI ← DI + 1

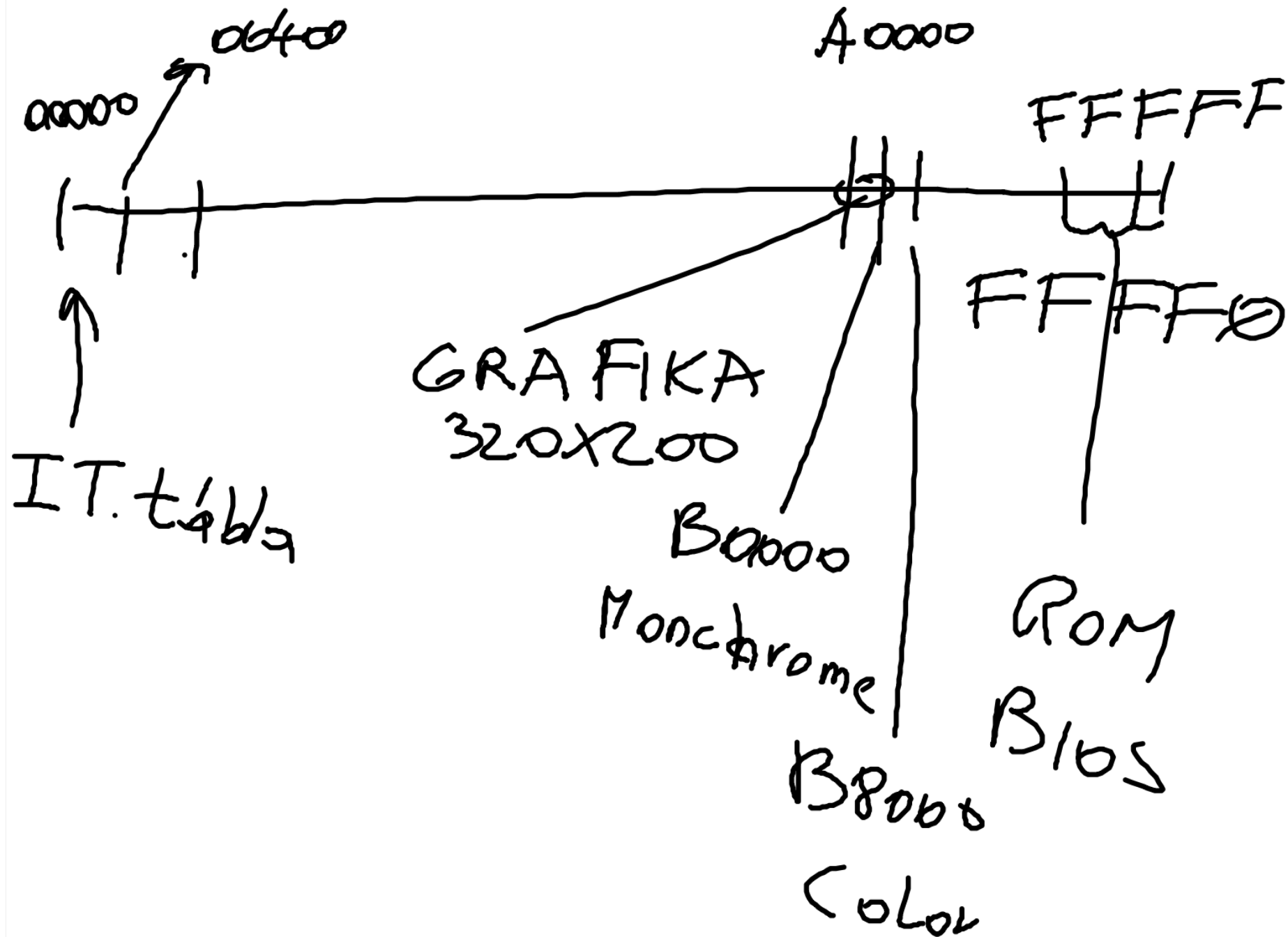
REP

REPE

REPNE

CMPSB

CMPSW



IRQ 0 TIMER
1 KLAV)

6 FLOPPY
7

8
9
10
11
12

XOR AX, AX

MOV ES, AX

MOV AX, ES: [8*4]

MOV WORD PTR [VEC], AX

MOV

AX, ES: [8*4+2]

MOV

WORD PTR [VEC+2], AX

MOV ESI:[8*4],CS

MOV WORDPTR ES:[8*4+2],OFFSET SAJ

SAJ: push

⋮

pop

JMP CS:[VEC]

VEC DD ?

B8000
B8001

7-----0
V BGRIBGR
KAR
VILLOGAS hättér

MOV AX, 0B800H

MOV ES, AX

XOR BX, BX

MOV BYTE PTR [BX], 32

MOV AX, 3

INT 33H

AND CX, 0FFF8H

U7UAR :

MOV AH, 1

INT 16H

JZ NEMLEU

MOV AH, 0

INT 16H

CMP AL, 27

JZ KILERP

JMP U7UAR

NEMLEU:

Mov AX, 13H

INT 10H

Mov AX, ~~0A000H~~

Mov ES, AX

...

Mov AX, 3

INT 70H

Mov AH, 4C


```
MOV DX, 3C8H  
MOV AL, 52INS2AM  
OUT DX, AL  
INC DX  
MUL AL, R_0..63  
OUT DX, AL  
MUL AL, G_0..63  
OUT DX, AL  
MOV AL, B_0..63  
OUT DX, AL
```

DARAB

ELV

SOR

START:

ORG 80H

DB ? ; MANY DB

DB ? ; SPACE

DB DUP 7DH(?) ; SOR

ORG 100H

