

PROTECTION REMOVED (13⁶.11.94 - 16⁹.11.94)
AND REDISKED (22.11.94 - 01.12.94)
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coming soon: "SHOCK MEGADEMO" fully
synhronized for "PENTAGON"
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ELITE 3

★ — ELITE 3 — ★



ELITE 3 (НОВОСИБИРСК)
 boot P 398 (), 374 ()
 ELITE3 C 16384 (#4000), 53504 (#D100) | 209 (#D1)
 CLEAR C 0, 102

на TRACKe 1, стороне 0,1 (тороны 2) - сдв с централизованной сектор, длиной 128b

ELITE2
 - Protected LOADER by Kladov V.
 Novosibirsk © Shadow Soft. 1992
 nruBeim!

24 PAPER 0<0: BORDER 0<0: INK 0<0: CLS:
 INK VAL "7": RAND USR X<15619: REM:
 LOAD "ELITE2" CODE 16384

0<0=0
 X<15619 = 24233.1

5EAG
 5EGF

JR 5EGF
 DI
 LD SP, 4042
 LD HL, (5C53)
 LD DE, 5B00
 LD BC, 0170
 PUSH DE
 CALL 33C3
 POP HL
 DEC C
 LD BC, E4B1
 JR 5E7D

HL = max. BASIC = 5D3B

HL = 5B00

5E7D

ВТОРОЙ ПРОХОД: перенести с 5B00 на 5C7E, длиной E4B1

5E80

~~PUSH AF~~
~~LD E, B~~
~~EX AF, AF~~
~~LD SP, 3635~~
~~LD SP, 3A39~~
~~JP PO, EF3A~~

AF = 2D88; HL = 3FB1; DE = 4121;
 BC = 0000; SP = 4042

7E00

LD HL, 160B
 LD D, 00
 JR 7E3E

РАССЧЕТ: ADR-23296 -> P
 begin = INT (P/368)*368+23296

7E3E

CALL D1CF
 DEC DE

D1CF

LD A, D
 CP F0
 LD A, (DE)
 JR C, D1DC

D1DC

CALL 973C

973C

EX (SP), HL
 LD C, (HL)
 INC HL
 LD D, (HL)
 INC HL
 EX (SP), HL
 PUSH HL
 LD HL, 20B8

SP = 4E3E
 HL = D1DF

9746

LD B, 01

9753

JR 9753
 ex (SP), HL
 nop

C801

JP C801
 JP 3D2F

20B8

OUT (C), D
 DJNZ 20B1
 RET

D1E1
A14C

CALL A14C
 ex (SP), HL
 LD C, (HL)
 INC HL
 LD D, (HL)
 INC HL
 ex (SP), HL
 PUSH HL
 LD HL, 20B8
 LD B, 01

A163

JR A163
 ex (SP), HL
 nop

HL = 1606; DE = 0120; BC = 015F

C801
20B8

JP C801
 JP 3D2F
 OUT (C), D
 DJNZ 20B1

OUT (SF), 01

СЕРТОР = 1

D1EG
A87C

RET
 CALL A87C
 ex (SP), HL
 LD C, (HL)
 INC HL
 LD D, (HL)
 INC HL
 ex (SP), HL
 PUSH HL
 LD HL, 20B8
 LD B, 01

A893

JP A893
 ex (SP), HL
 nop

HL = 1606; DE = 9820; BC = 011F

C801
20B8

JP C801
 JP 3D2F
 OUT (C), D
 DJNZ 20B1

OUT (1F), 98

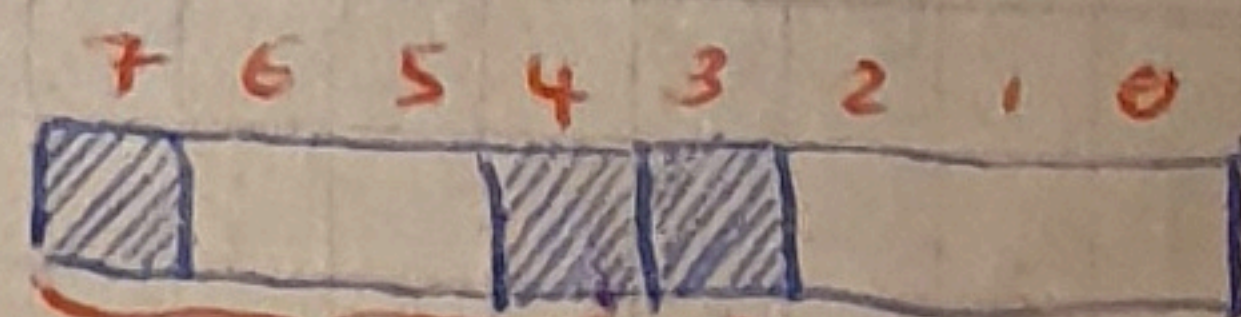
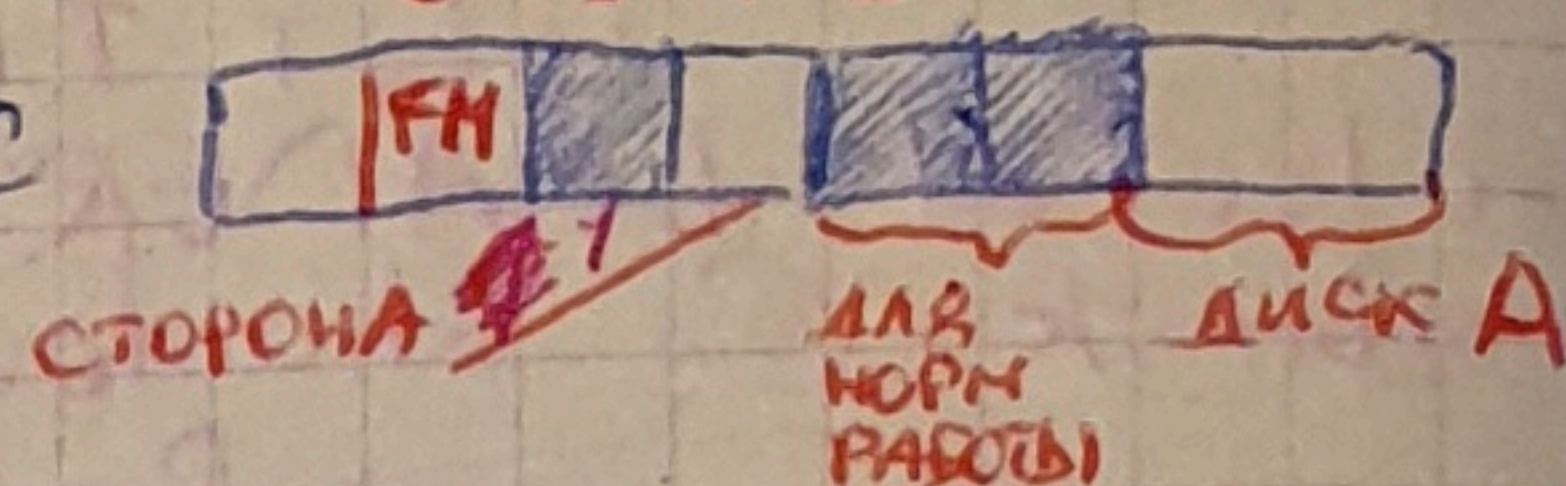
D1EB

RET
 PUSH HL
 LD HL, F000
 CALL BF8A
 INC H
 DEC H
 ex DE, HL
 POP HL

SP = 403C; HL = 20B8; DE = 2C20; BC = 01FF
 HL = 1606; DE = 2C20; BC = 01FF; AF = 0D2

RET JP 20B8

данные D1E1; 7E41; 0804...



ИТАКО СЕРТОР НР А. СТОРОНА 1

BF8A

LD DE, 0000
LD C, 7F
PUSH HL
LD HL, 3FE5
EX (SP), HL
NOP
NOP

HL = F000; DE = 0000; BC = 007F

JP C801

C801
3FE5

JP 3D2F
IN A, (FF)
AND C0
JR Z, 3FE5
RET m
INI

УЧИТАТЬ ЛОРОЖКИ

2 КВЕР - E052

D1F2

INC H
DEC H
EX DE, HL
POP HL
JR NZ, D1DC

HL = 0080

DE = 00

HL = 1606

D1F8

LD IX, E02F
LD A, (IX+11)
XOR 10
LD (IX+11), A
PUSH IX
PUSH DE
CALL PF, 900C

A = 2C

A = 3C

2C

3C

900C

EX (SP), HL
LD C, (HL)
INC HL
LD D, (HL)
INC HL
EX (SP), HL
PUSH HL
LD HL, 20B8
LD B, 01

9023

JR 9023
EX (SP), HL
NOP
NOP

HL = 1606; DE = 5C80; BC = 011F

C801
20B8

JP C801
JP 3D2F
OUT (C), D
DJNZ 20B1

OUT (1F), 5C



WAT BNEPEA

D20C

RET
POP DE
RET

DE = 0080

E02F

DEC DE
LD A, D
CP F0
LD A, (DE)
JR C, E03C

E03C

973C

CALL 973C
EX (SP), HL
LD C, (HL)
INC HL
LD D, (HL)

C = FF

D = 3C

D1D1

9740

INC HL
EX (SP), HL
PUSH HL
LD HL, 20B8
LD B, 01
JR 9753

9753

EX (SP), HL
NOP
NOP

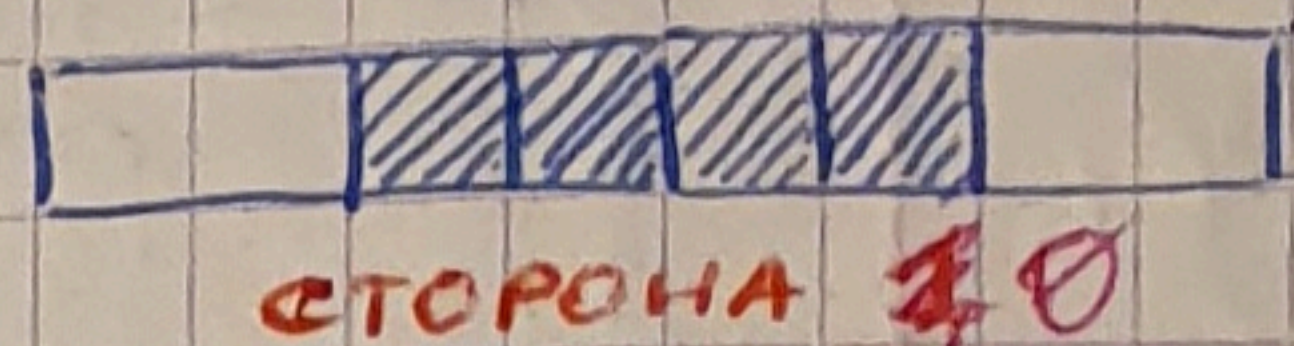
HL=1606; DE=3C7F; BC=01FF

C801

20B8

JP C801
JP 3D2F
OUT (C), D
DJNZ 20B1
RET

OUT (FF), 3C



E041

A14C

CALL A14C
EX (SP), HL
LD C, (HL)
INC HL
LD D, (HL)
INC HL
EX (SP), HL
PUSH HL
LD HL, 20B8
LD B, 01

A163

JR A163
EX (SP), HL
NOP
NOP

C801

~~20B8~~

JP C801
JP 3D2F
OUT (C), D
DJNZ 20B1
RET

OUT (SF), 01

сектор 1

E046

A87C

CALL A87C
EX (SP), HL
LD C, (HL)
INC HL
LD D, (HL)
INC HL
EX (SP), HL
PUSH HL
LD HL, 20B8
LD B, 01

A893

JR A893
EX (SP), HL
NOP
NOP

C801

20B8

JP C801
JP 3D2F
OUT (C), D
DJNZ 20B1
RET

OUT (1F), 98

ЧИТАТЬ СЕКТОРА НА СТОРОНЕ 1

E04B

PUSH HL
LD HL, F000
CALL BF8A

(C82A)

BF8A

LD DE, 0000
LD C, 7F
PUSH HL
LD HL, 3FE5
RX (SP), HL

nop

nop

JP C801

in A, (FF)

AND C0

JR Z, 3FE5

RET m

in

JR 3FE5

E052

E06C

WAP

POP DE

RET

E02F

DEC DE

LD A, D

CP F0

LD A, (DE)

E036

XOR (IX+00)

INC LX

RET

7E41

LD C, A

AND E0

XOR C0

LD A, C

CALL C90C

C90C

LD B, 01

JR NZ, C927

XOR C0

PUSH AF

POP BC

PUSH IX

JR Z, C920

JP C07B

C07B

POP IX

CALL 842F

842F

DEC DE

LD A, D

CP F0

LD A, (DE)

JR C, 843C

XOR (IX+00)

INC LX

RET

C080

BIT 6, C

PUSH BC

CALL NZ, 870F

POP BC

LD (IX+C6), A

DJNZ C080

RET

7E4A

7E3E

JR 7E3E

CALL D10F

(FFFF)

0 - 00

1 - C4

2 - BB

3 - 00

4 - DA

5 - 75

E04D

E02F

Y=783A

SP=403C; HL=0000; DE=0000; BC=007F

A=FF

SP=4040

A=(FFFF)

IX=E02F

IX=E030

A=C4 A=DF

A=DE

A=1F

BC=1F08

IX=5C3A

HL=1606; DE=FFFF; BC=1F08

C07B=C07B=647B SF=C07B

DE=FFFF

A=7A

A000-A010

04000000

A=0

78B87

9 D1CF

DEC DE
LD A,D
CP FO
LD A,(DE)
JR C,D1DC
XOR (ix+00)
INC LX
RET

21

7E41

LD C,A
AND E0
XOR C0
LD A,C
CALL C90C
LD B,01
JR NZ,C927
XOR C0
PUSH AF
POP BC
PUSH IX
JR Z,C920
JP C07B

C90C

92X

E02F

DEC DE
LD A,D
CP FO
LD A,(DE)
JR C,E03C
XOR (ix+00)
INC LX
RET

7E41

LD C,A
AND E0
XOR C0
LD A,C
CALL C90C =>
JR 7E3E
LD B,01
JR NZ,C927
XOR C0
PUSH AF
POP BC
PUSH IX
JR Z,C920
JP 7B7B (!)
POP IX
CALL 842F
BIT 6,C
PUSH BC
CALL NZ,870F
POP BC
LD (IX+6),A
INC IX
DJNZ 7B80
RET

7E3E CALL D1CF =>

C90C

7B7B

7B80

F0F7

773A

XOR A
 OUT (FE), A
 OUT (EF), A
 OUT (0F), A
 LD A, F0
 LD BC, 7FFD
 OUT (C), A

HL = 1606; DE = F0F7; BC = E044
 SP = 4040 (7E4A)

7748

LD HL, E04E
 DEC (HL)
 DEC HL
 SET 7, (HL)
 CALL E03C
 DJNZ 7700

$L_m(E04D) = EF80$

E03C
973C

CALL 973C
 EX (SP), HL
 LD C, (HL)
 INC HL
 LD D, (HL)
 INC HL
 EX (SP), HL
 PUSH HL
 LD HL, 20B8
 LD B, 01
 JR 9753

9753

EX (SP), HL

NOP

NOP

JP C801

HL = E04D; DE = 3CF7; BC = 01FF

C801

JP 3D2F

20B8

OUT (C), D
 DJNZ 20B1
 RET

OUT (FF), 3C
 сторона 0

$L_m \leftarrow$

E04B

PUSH HL
 LD HL, EF80
 CALL BF8A

BF8A (CF5A)

LD DE, E000
 LD C, 7F
 PUSH HL
 LD HL, 3FE5
 EX (SP), HL
 NOP
 NOP
 JP C801

первый

5000 по 77FF (1000)

DE
 7700 = 100C

770

СХА РДЖ В РИД Ж Ч Б А Д Ж Ч Б А С В

DE = 0000

BC = 007F

HL = EF80

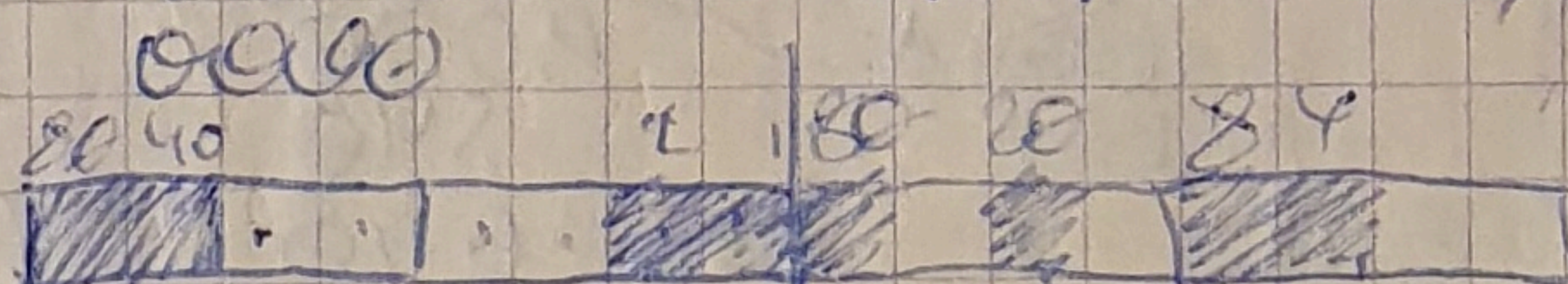
AF = 00BA

SP = 403A

IX = E038

IY = 783A

ФУНД / МЕРН / МИР
 СУМ / ЗЕЛЕН / МИР



7700

LD HL, 401E
LD DE, 241E
LD SP, HL
LDIR

LD A, 8
LD C, #1F
CALL AUT
LD A, #5C
LD C, #1F
CALL AUT
LD A, #1
LD AC, #5F
CALL AUT
LD A, #98
LD C, #1F
CALL AUT
LD HL, #EF80
LD C, #7F
PUSH HL
EX (SP), HL
JP CALL LOAD
RET

LD A, #3C
~~OUT~~ LD C, #FF
CALL AUT

WAP

LD HL, ~~E100~~ CBASE
LD DE, C600
LD BC, 0200
LDIR

AUT

PUSH HL
LD HL, #2A53
EX (SP), HL
JP #3D30
PUSH HL
LD HL, #3FE5
EX (SP), HL
JP #3D30

LOAD

C600 21 E5 3F

C6EA 20 20 45 20 4C

CA2=

1792

6C

18432, 108

7700

LD HL, 401E
LD DE, 241E
LD SP, HL
LDIR

~~BC=FFFF~~; IX=783A; IX=E030
BC=207F; AF=4930
SP=401E

7707

4000
- 2400
D=1C00

next, 7707
1C00
9307

7710
C330
E3BA

7710
+ 2A00
+ A110
+ 2A00
CB70
540

7707
- 241E
9

1617 23 - 14
- 1

7684 48

C6EA
- C330
E3BA

76FF
- 2416
52E8A

LD HL, 401E
LD DE, 241E
LD BC, 52E8A
LDIR

A110
540
+ A650
540
AB90
540

+ C090
2A0
C330

+ BB50
540

CAB3 ADD + C090

+ B0DE
540
+ B610
540
BB50

+ B0DE
2A0
B370

7707

LD BC, 4F80
ADD HL, DE
LD H, D
LD E, LY
LDIR

AF = 4908
HL = 9308; DE = 7708

LY = 3A

HL = 7710; DE = 773A; BC = 4F80

773A
- 7710
Δ = 002A

+ 773A
4F80
no C6EA

+ HL = 7710
4F80

- C6EA
C570
017A

LD HL, 7710
LD DE, C330
LD BC, 03BA
LDIR

AE3A
773A
3700

STEP = 2A = 242

LD HL, 7710
LD DE, 773A
LD BC, 3700
LDIR

LD HL, 7710
LD DE, C570
C6C0
C570
0150

7710
7711
C92F

POP DE DE = 0000 HL = C6C0; DE = C6EA; BC = 0000
CALL C92F
ix = E030; iy = 783A = iy

DEC DE
LD A, D
CP F0
LD A, (DE)
JR C, C93C
XOR (ix+00)
INC LX

P = ADR - 30480

INT (P/42) * 42 + 30480

C6C0 = 49152 + 1537 + 192 =
= 50881 - h = 20401

20401
- 20370
31

C6C0
1F

C6A1 = 7710

+ 4200
7710 WPATH
+ B910
420
+ BD30
420
+ C150
420
C570

7714

RET
LD B, A
PUSH HL
PUSH BC
PUSH BC
CALL C93F

7718
C93F

DEC DE
LD A, D
CP F0
LD A, (DE)
JR C, C9AC
XOR (ix+00)
RET

771B
771C

POP BC
XOR (HL)
INC HL
DJNZ 776B
POP BC
POP HL
CALL C8C7

HL = C6C0; DE = FFFE; BC = 2800
AF = 3020; ix = E032; iy = 783A

LD HL, 7710
LD DE, C570
LD BC, 017A
LDIR

7D89

771C

HL = C6C0; DE = FFFE; BC = 2800; AF = 3020;
ix = E032; iy = 783A; SP = 401C

HL = C6C0, DE = FFD7, AF = C98C
IX = E059

(on 4018: 81, 7D, 00, 01, C0, C6, 8C, 7D.)

CAAG

HL = CS, IX = 00001
BC = 0004
B = 1
IX = ~~FFF~~ 0000
HL = C6C0

7F06
4F84

C6C0 LD IX, 4001
PUSH HL
C6C8 LD HL, (4000)
LD B, (IX+00)
LD C, (IX+01)
ADD HL, BC
LD A, (IX+02)
ADC A, L
LD L, A
LD A, (IX+03)
XOR H
LD H, A
LD BC, 0004
ADD IX, BC
JR NC, C6C8
CS = ACC3 LD (C6BE), HL
POP HL
INC B
DEC IX
RET

C6C0 RET
C6C1 → LD HL, CB03
DEC B
RET

CC02 im 2
RET

CCE2 PUSH HL
LD HL, CB03
LD (C9FF), HL
POP HL
RET

→ Вектор, nпердв AFHL.

CDB2 LD I, A
LD HY, A
NOP
RET
A = C9
HY = C9FF 00

CESS LD (IX+00), B
RET
Вектор: CB04

CE86 LD HL, C9FF
RET

CA9F JR CA01
CA01 CALL CAB0
DEC DE
LD A, (DE)
ADD A, 00
XOR (IX+00)
SUB 00
INC LX
RET

BDBD 27, BF mon

CAB0 → DEC (IX+04)
RET NZ
PUSH BC
LD B, (IX+05)
DJNZ CAB0
POP BC
LD A, R
NEG

2007

BF8C

5C00	76
	20
	56

5BAP

84EE

LAB2

ED 54

CABF

LD (Y+05), A
 LD (Y+04), 04
 RET

CACT

LD HL, C92F
 LD (HL), FD
 INC HL
 LD (HL), 36
 INC HL
 LD (HL), C
 INC HL
 LD B, C
 LD (HL), C
 INC HL
 LD (HL), C3
 INC HL
 LD (HL), A4
 INC HL
 LD (HL), CA
 LD HL, 3B00
 E;
 HALT
 RET

CAE0

MAGIC
→

CB04 (nrep)

PUSH AF
 DEC (Y+00)
 JR NZ, CB17
 LD (Y+00), 05
 PUSH BC
 PUSH DE
 PUSH HL
 CALL CE77
 POP HL
 POP DE
~~POP BC~~

=>

CB17

LD (Y+04), 04
 POP AF
 E;
 JP 3D2F (RET)

CE77

LD (411E), SP
 LD SP, 411E
 CALL CB37
 LD SP, (411E)
 RET

=>

CB37

LD DE, 4036
 LD HL, 4130
 LD B, 50

CB3F

PUSH BC
 PUSH DE
 PUSH HL
 LD BC, 000A
 LDIR
 POP HL
 POP DE
 CALL CB04
 CALL CB04
 POP BC
 DJNZ CB3F
 LD HL, (CB2E)

=>

=>

CB55

LD B, CB
LD A, (HL)
INC A

CB61
CB62

JR NZ, CB61
LD HL, CB14
INC (IX+08)
PUSH HL

DEC B
BIT 7, (HL)
INC HL
JR Z, CB62
POP HL
SRA B

LD A, 10
JR C, CB70

CB70

XOR A
LD (CB92), A
INC B
DEC DE

CB76

XOR A
INC DE
LD (DE), A
DJNZ CB76

CB7E

LD BC, (CB22)
PUSH ~~BC~~ BC
PUSH HL
LD L, (HL)
RES 7, L
LD H, 00
INC HL

ADD HL, HL
ADD HL, HL
ADD HL, HL

LD A, 3C
ADD A, H
LD H, A

CB8D

DEC HL
DJNZ CB8D
LD A, (HL)

CB93

JR CB93
RRCA
RRCA
RRCA
RRCA
PUSH AF
DEC DE
AND OF
EX DE, HL
OR (HL)
LD (HL), A
EX DE, HL
POP AF
INC DE
AND FO
LD (DE), A
INC DE
POP HL

CBA6

POP BC
BIT 7, (HL)
INC HL
JR Z, CB7E
DJNZ CBBE
LD (CB20), HL
LD B, 08
JR CBBE
LD HL, CB14
LD (CB20), HL
LD BC, 080A
INC C
LD (CB22), BC
RET

CBB5

CBBE

CBC4

EX DE, HL
INC H
LD A, H
AND 07
RET NZ
LD A, L
ADD A, 20
LD L, A
RET C
LD A, H
SUB 08
LD H, A
RET

5BAB

LD A, R
LD HX, A
LD A, 23
LD (CAAE), A
LD B, 04
NOP
RET

5BAC

DI
EXX
LD HL, 5BC2
PUSH HL
LD HL, 2A3E
PUSH HL
LD HL, 0000
LD DE, 5C00
LD BC, 0031
JP 3D2F

RETURN BACK

2A3E

LDI R
RET

3D2F

NOP
RET

0000 F3

11 FF FF

3E 07

18 01

00

D3 FE

3E 3F

DI
LD DE, FFFF
LD A, 07
JR 0009
NOP
OUT (FE), A
LD A, 3F

CEED 18 04 JR 0013

00
C3 82 3D JOP 3D82
ED 47 LD 1, A
C3 1B 00 JP 001B
C3 07 27 JP 2707

00
00
00
18 04 JR 0024
C3 72 2F JP 2F72
C9 RET
G2 LD H, D
GB LD L, E

18 03 JR 002B
C3 23 23 JP 2323
36 02 LD (HL), 02
2B DEC HL
BC CP H
2C FA ← (0030) JR NZ, 002B

5BD2 LD HL, 5BD2
PUSH HL
LD HL, 2A3E
PUSH HL
LD HL, 0066
LD C, 03
JP 3D2F

DE = 5C31

5BD2 LD HL, 5BE2
PUSH HL
LD HL, 2A3E
PUSH HL
LD HL, 2A56
LD C, CC
JP 3D2F

DE = 5C34

5BE2
RXX
LD IX, 5000
LD A, 2C
LD (CAAE), A
EI
RET

DE = 5D00; HL = 2B22
BC = 0; SP = 4010E; R = 45

CAAE - next
IX = 4800 (5000)

D/E
1D01 = 4000
1D09 = 4800 ←

D/E
0F01 = 4000
0F09 = 4800

1E01 = 5000

len = #800

F3
11
FF
FF

R = 16

m(BB1F) ← 48

5D5D

LD IX, 7763
LD BC, 00A8
LD (IX+C4), 00

5D68

LD A, 18
LD (IX+D6), D5
LD (IX+00), A
LD (IX+2A), A
LD (IX+54), A
LD A, HX
ADD IX, BC
CP C5
JR C, 5D68
LD IX, 5B00
LD A, 23
LD (CAAE), A
LD B, 04
DI
RET

5ED4

EI
HALT
LD A, (C8C7) (JP (HL))
CPL
ADD A, D3
LD (C8C7), A (JP (HL))
RET

5FEB

ED 64

LD A, R
~~NEG~~
SUB S1

ED 74

~~NEG~~
LD (9E44), A (CD)
RET

60FD

LD A, R
CPL
SUB DE
CPL
LD (9EA3), A
INC B
RET

A
A = 19

6102

LD A, (IY+00)
LD (IY+06), A
LD B, EA
RET

loop prep 0 + 1 to 5

61E7

INC B
RET

6109

"YOU CAN BE CONGRATULATED, IF YOU READ IT..."

6116
6138

JR NZ, 6138
INC B
RET

6116
6119

"BLIT IT WAS ONLY FLOWERS !!!"
INC HX
HALT
INC B
RET

IX = 604B

612C

INC B
CXX
SET 4, H

6130

INC (HL)

HL = 3B22

EXX

RET Z

LD (17+00), D

D = F3

RET

6135

SCF

CPL

INC B

CP (HL)

RET Z

~~CALL~~

613F

~~LD~~ EXX

LD HL, 4000

LD D, L

LD E, D

DE = 0000

6145

LD B, (HL)

INC HL

LD C, (HL)

INC HL

CS

EX DE, HL

ADC HL, BC

EX DE, HL

INC H

DEC H

JR NZ, 6145

EXX

INC B

RET

~~HL = 0000, DE = CS, HL = 0000,~~
 BC = 052 = CES2

6150

EXX

LD (C6BC), DE

comp. CS = ABC7

EXX

RET

80A4

DJNZ

6262

EXX

ADD HL, SP

HL = 401E

EXX

RET

6375

INC B

HALT

LD A, (411F)

A = 0

XOR 40

RET NZ

PUSH HL

EXX

POP HL

LD BC, 0019

ADD HL, BC

LD DE, 'C8C8

LD BC, 0006

LDIR

EXX

RET

→ RRC (HL)
 INC HL
 DJNZ 638E
 RET

перенести на C8C8
 6 байт с 638E

638E: CB 0E 23 10 FB C9

9094 - next

5000 = 17, 10, 00 ...

6389

```

INC B
RET Z
LD A, R
LD (CAAF), A
LD A, R
nop
nop
nop
LD (CAAC), A
LD (IX+07), ES
RET

```

CD19

```

LD (CDA2), SP
LD SP, 422E
exx

```

CD24
CDA8

```

CALL CDA8
DI
LD (IX+03), 00
LD HL, CE86
LD BC, 1000
LD (HL), C
INC HL
DJNZ CDB3
LD (IX+01), 10
LD (IX+02), EE
CALL CB24

```

CB24

```

LD A, F3
LD (C834), A
JP C81C

```

C81C

```

EX (SP), HL
LD C, (HL)
INC HL
LD D, (HL)
INC HL
EX (SP), HL
PUSH HL
LD HL, 20B8
LD B, 01
JR C833

```

C833

```

EX (SP), HL
DI
nop
JP C801

```

C801

CDC4

CDC8 →
CDCB

```

JP 3D2E
EI
LD HL, FF00
LD BC, 0100

```

OUT (FF), 2C - стопона

CDD2

```

ADD HL, BC
LD BC, F000
JR NC, CDD2
ADD HL, BC
LD A, H
SUB FE
LD B, 00
LD C, A
PUSH HL
LD HL, CE86

```


CDDC

ADD HL, BC
LD A, (HL)
AND A
POP HL

HL=CE86

LD BC, 0100
JR NZ, CDCB
LD A, H
SUB EF

A₁ = 01

центр HL=F000

LD (CDEF), A
CALL CB24
~~LD A, A~~
~~LD BC, 2E22~~
~~ADC~~

CB24

LD A, F3
LD (C834), A

C81C

JP C81C
EX (SP), HL
LD C, (HL)
INC HL

C822 C9(E5)

LD D, (HL)
INC HL
EX (SP), HL
PUSH HL

LD HL, 20B8
LD B, 01
JR C833

C833

EX (SP), HL
DI
NOP

C801

~~JP C801~~
JP 3D2F

OUT (SF), 1 (центр)

CDFE

LD (CE2E), HL
LD A, (CB22)
LD C, A
DI

CD10

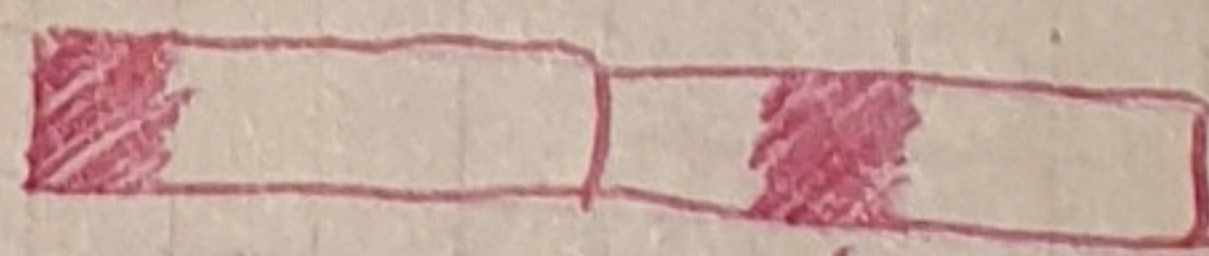
CALL CD10
PUSH HL
LD HL, CE6E
LD (C9FF), HL
POP HL
RET

CDFA

CB24

CE80

CALL CB24
OUT (1F), 84
XOR A



центр центр

CB2C

CALL CB2C
LD A, FB
LD DE, F33E
LD (C834), A
JP C82A

3А. 15mc

C82A

LD DE, E000
LD C, 7F

HL=F000

C82F 24(E5)

C830 C9(21)

PUSH HL
LD HL, 3FE5
EX (SP), HL
EI

C834 24(FB)

C835 C9(00)

NOP
JP C801

LOAD BLOCK

CE 3A

CE04
CD0A

CALL CDEA
PUSH HL
LD HL, CB03

HL = F100

CD14

JR CD14
LD (C9FF), HL
POP HL

CE07

DI
PUSH AF
PUSH HL
LD A, (iY+00)
NOP (8)

A = F0

CE15

LD A, (iY+00)
DEC A
BIT 7, A

CE27

JR NZ, CE27
ADD A, 06
LD (iY+00), A
CALL CE77
JR CE15

scroll

CE53

PUSH HL
POP AF
EI
JP P, CE53

CE2D burger m (s=1)

CD24
CD3D

INC L
DEC L
SCF
JR Z, CE51
INC (iY+03)
JR Z, CE51
INC (iY+02)
JR C, CD3D

EI; RET

CD4E

DI
CALL CB24
OUT (1F), D0
CALL CB24

ESC

препятв. команды

CD58

OUT (1F), E4
CALL CB24
OUT (1F), 5C

0000

считав. дорожку с 3840

CD5E

LD HL, 0000
CALL CB2C
CALL CB24

0000

вар. впер. 1300P

CD64

OUT (1F), 7C
LD HL, 0000
CALL CB2C

0000

вар. назад

CD68

HALT
CALL CB24
OUT (1F), E4

CD6F

LD HL, 3000
CALL CB2C
JR CD21

CD

CE2D

```
LD DE, F000
DEC H
AND A
SBC HL, DE
JR NZ, CE53
LD (IX+02), E0
LD (IX+03), C0
LD A, D
SUB F0
LD C, A
LD B, 00
LD HL, CE86
ADD HL, BC
INC (HL)
EX DE, HL
DEC (IX+01)
JP NZ, CDC8
AND A
EI
RET
```

~~Sector 01~~ ~~1A0~~
~~C-ED00~~ no

TRACK 1; side 2FV (track 3)

SECTOR 1	= F000	9	= F800	
2	= F100	0A	= F800	
3	= F200	0B	= FA00	
4	= F300	0C	= FB00	CS =
5	= F400	0D	= FC00	
6	= F500	0E	= FD00	
7	= F600	0F	= FE00	
8	= F700	10	= FF00	

CD24
CD26

```
JR C, CD3D
LD DE, F000
```

```
LD H, E
LD L, E
```

CD2B

→ EX DE, HL

DE = HL = 0000

```
LD C, (HL)
```

```
INC HL
```

```
LD B, (HL)
```

```
INC HL
```

```
EX DE, HL
```

```
ADD HL, BC
```

```
LD A, D
```

CS

```
OR E
```

```
JR NZ, CD2B
```

```
OR H
```

```
OR L
```

```
LD DE, E000
```

A = H or L

```
JR Z, CD7D
```

→

cont = CD26 : 5000 17, 10, 00

@file

4000 = 3501 D/E

5000 = 3601
6000 = 3701
7000 = 3801
8000 = 3901
9000 = 3A01

A000 = 3B01
B000 = 3C01
C000 = 3D01
D000 = 3E01
E000 = 3F01
F000 = 4001

1B A4 DF

D/E
F000 = 4001

CD7D

LD HL, CDC3
LD A, (HL)
XOR 10
LD (HL), A
DI

CD88

JP PO, CD9E
CALL CB24
OUT (1F), E4
LD HL, 0000
CALL CB2C
CALL CB24

считает аспокны

CD98

OUT (1F), 5C
LD HL, 0000
CALL CB2C

шар Бнеpes

CD9E

EXX
EI

~~AB47~~

CDA1

LD SP, 4010
JP CA3F

→ (LD DE, 0100)

CA3F

JR CAA1
PACHUPP

AB47

POP BC
XOR (HL)
LD (HL), A
INC HL
DJNZ AB6D 10 20

AB47 - AB47
1800 - 2A00
9347 8147

AB47 обмен на 8147

8951 (B351)

POP BC
XOR (HL)
LD (HL), A
INC HL
DJNZ 8972

8957

POP BC
POP HL
CALL C8C7
DJNZ 8932

~~POP HL~~ PACN 2

C8C7

PUSH HL
RRC (HL)
INC HL
DJNZ C8C8
RET → JP (HL) OP 641F

644F
64E4
644F

" *** YEAGH, BOY! IT IS THE LAST
DIFFICULTY..."

LD B, 05
LD A, B
LD B, B
LD C, C
LD C, A
LD B, D
LD D, 16
LD D, B
LD B, A
LD C, B
LD A, 00
LD A, (0000)
LD A, (iY+00)
LD (iY+C8), B
LD B, C
LD C, B
LD B, C
LD C, B
LD ix, (401C)
LD (iY+CA), C
LD A, H
OR L
LD A, HY
LD B, H
LD B, HY
LD B, C
LD (iY+C9), B
LD HL, CAGF
LD (iY+CB), A
LD (9EAB), HL
LD L, H
LD DE, F600
LD A, (0000)
XOR F3
LD H, A
LD (CDAY), HL
LD A, 3E (25)
LD L, H
nop
nop
LD (CDAS), HL
PUSH ix
PUSH BC
LD B, 06 (28)
LD B, 00
LD HX, 5B
LD L, H
LD LX, B
INC B
POP BC
DEC B
POP HL
RET

A = ? ≈ 03
B = 05 $\rightarrow$ (iY-) (C8CA)

ix = 644F
C = 05 m (iY-) (C8C8)

B = 05 m (iY-) (C8C9)

A = C9 m (iY-) (C8CAB)
HL = CAGF $\rightarrow$ (9EAB)!

HL = 0011
m (CDAY) = 0011

HL = 0000 $\rightarrow$ (CDAS)

ix = 5B00; iY = C900; SP = 401E
HL = 644F; DE = F600; BC = 0405; AF = 3E00

88E0 (B2E0)

CALL C92F

HL = FG00

88E4

LD B, A
PUSH BC
PUSH HL
CALL C92F
POP HL
POP BC
XOR (HL)
LD (HL), A
INC HL
DJNZ 88E4
CP C
...

8EC3 (B8C3)
C8C7

CALL C8C7
PUSH HL
DECB
DEC B
DEC B
RET

651E

RXV
LD HL, 0000
LD DE, E000
PUSH DE
LD BC, 0008
LDIR
LD L, 66
LD C, 0E
LDIR

перенести с 0000
по E000 длиной 8
(PZU основное)

перенести с 0066
на E008 длиной 0E

6531

LD HL, 11CB
LD BC, E0EA
LDIR
POP IX

перенести с 11CB
на E016 длиной EA
по E0FF
IX = E000

653C

LD A, 2C
LD (CAAE), A
RET

(CAAE) ← 2C (INC IX)

~~88E0~~ 8988

CALL C92F

8BF9
6615

CALL C8C7
LD A, (C6BF)
LD (CAA7), A
LD A, (C6BE)
LD (CAAC), A
SET E, B
RET

A = AC

A = C3
B = 4C

8152 (AB52)
AB50

DJNZ 8128
DJNZ AB28

AB47 ↔ 8147 POP BC

9A3F (K00B) CALL C8C7

670C

```

PUSH HL
EXX
POP HL
LD DE, 0019
ADD HL, DE
LD DE, CA01
LD BC, 0074
LDIR
LD DE, CFEB
LD BC, 0015
LDIR
EXX
RET

```

перенести с 6725 по 6798
на CA01
по CA74
группой 0074

перенести с 6799 по 67AD
на CFEB
группой 0015
по CFFF

8152 ↔ ABS2

AADI
6800CALL C8C7
JP CA01CA01
CA04
CA08
CD19

```

LD HL, 6800
LD IX, 5800
CALL CD19
LD (CDA2), SP
LD SP, 4220
EXX

```

CDAS

```

CALL CDAS
DI
LD (iY+03), C0
LD HL, CE86
LD BC, 1000
LD (HL), C
INC HL
DJNZ CDB3
LD (iY+01), 10
LD (iY+02), EE
CALL CB24
OUT (FF), 3C
EI

```

16 секторов

CDC4

CDC8
CDCB

```

LD HL, FF00
LD BC, 0100
ADD HL, BC
LD BC, F000
JR NC, CDD2
ADD HL, BC

```

CDD2

```

LD A, H
SUB F0
LD B, 00
LD C, A
PUSH HL
LD HL, CE86
ADD HL, BC
LD A, (HL)
AND A
POP HL
LD BC, 0100
JR NZ, CDCB
LD A, H
SUB EF
LD (CDEF), A

```

XPAMOB
XPAMOB
XPAMOB
XPAMOB

CD2B

CALL CB24

OUT (SF), 01

- sector

CD2C

LD (CE2E), HL

LD A, (CB22)

LD C, A

DI

CALL CD10

CALL CB24

OUT (1F), 84

CHANGE ~~int~~ int

CD2D

XOR A

CE00

CALL CB2C

LOAD BL

CE07

DI

PUSH AF

PUSH HL

S=1

LD A, (iy+00)

NOP (8)

LD A, (iy+00)

DEC A

BIT 7, A

JR Z, CE27

CE27

POP HL

POP AF

EI

JP P, CE53

CE2D

LD DE, F000

DEC H

AND A

SBC HL, DE

JR NZ, CE53

LD (iy+02), F0

LD (iy+03), C0

LD A, D

SUB F0

LD C, A

LD B, 0

LD HL, CE86

ADD HL, BC

INC (HL)

EX DE, HL

DEC (iy+01)

JP NZ, CDC8 →

AND A

EI

RET

→ CD24

ЗАПЫСКА TRACK 2; side 3F↑ (TRACK 4)

C F000 no FFFF

CD26 - next SC00 : 17, 10, 00

Hareu. C noxor. CS

@file

4000 = 41 01
5000 = 42 02
6000 = 43 03
7000 = 44 04
8000 = 45 05
9000 = 46 06

A000 = 47 01
B000 = 48 01
C000 = 49 01
D000 = 4A 01
E000 = 4B 01
F000 = 4C 01

F000 = 43 C9 10 34

CAEB

LD DE, CFEB
LD A, (DE)
INC DE
LD (F000), A
LD A, (DE)
INC DE
LD (F001), A
LD (CA0C), DE
LD BC, 1000
LD DE, F000

A=37

A=10

DE=CFED

IX=5800

DE= or F000 to 0000

HL= or 6800 to 7800

IX= or 5800 to 6800

A=m(DE) + (ix)

XOR (ix+1)

SUB (ix+2)

IX=ix+1

m(HL)=A

CA22

LD A, (DE)
INC DE
ADD A, (ix+00)
XOR (ix+01)
SUB (ix+02)
INC IX
LD (HL), A
INC HL
DEC BC
LD A, B
OR C

JR NZ, CA22

LD A, H

CP C

JR NZ, CA3F

LD H, D0

JR CA04

CA3F

OR A

JR NZ, CA08

CALL C81C

OUT (1F), 0C

A=H HL=7800 ; ix=6800

com HL=6800 to 7800

HL=D000

ВООСТАНОВЛЕНИЕ

CA47
CA4D

Ei
LD A, (ix+08)
CP 15
JR C, CA48
LD BC, 0001
DI
RRC C
CALL E063

7700

LD BA
LD A, (757D)

CFEB

37 10
6800

FC DF
7800

46 9B
8800

8C 19
9800

B6 3B
A800

4A 38
B800

C3 AE
E000
D000

35 3A
F000

82 90
F800

C3 B4
JP 73B4

HL	IX	CHANGE	TRACK / SECTOR
6800	5800	37 10	04 00
7800	6800	FC DF	05 00
8800	7800	46 9B	06 00
9800	8800	8C 19	07 00
A800	9800	B6 3B	08 00
B800	A800	4A 38	09 00
D000	5800	C3 AE	0A 00
E000	6800	35 3A	0B 00
F000	7800	88 90	0C 00

```

LD HL DE, #3710      PV
LD A, D
LD (#F000), A
LD A, E
LD (#F001), A
LD DE, #F000
LD HL, #6800      PV
LD BC, #1000
LD IX, #5800      PV
m1 → LD A, (DE)
      INC DE
      ADD A, (IX+00)
      XOR (IX+01)
      SUB (IX+02)
      INC IX
      LD (HL), A
      INC HL
      DEC BC
      LD A, B
      OR C
      JR NZ, m1
      EI
      RET

LD HL, #F000      (ceee)
LD DE, #TR/SE
LD BC, 1005
CALL 3D13
RET

```

7800 no 7AFF
 7B00 no 87FF TR 42 0C
 7800 no 87FF gms 10
 30720 gms 4096

6000 no 6FFF - ix; 7000 no 7FFF - ~~HL~~ HL

9000 no 9FFF - DE len 1000

28672, 4096

6000 no 6FFF - ~~ix~~ ix; 67000 - 7FFF - ix₂
 9000 no 9FFF - DE; BC200 - D200 - HL

C200 = 49664, 4096

E063 → LD HL, (DECE)
 LD DE, (DEC2)
 ADD HL, DE
 EX DE, HL
 LD (DECE), HL
 LD HL, (DEC4)
 LD (DEC2), HL
 ADD HL, DE
 LD (DEC4), HL
 RET

57BC
 0A82
 HL=623E

← 0A82
 HL=AD63
 ←

HL=0FA1

DECE = 5401

C41F

CAS3

LD BC, 0001
 D:
 → RRC C
 CALL E063
 LD DE, 5B00
 ADD HL, DE
 JR C, CAS3
 LD A, C
 XOR (HL)
 LD (HL), A
 DJNZ CAS3

HL=6AA1

A=20 B6B1, E2FC, E66E
 → 02E;

CAG1
 CAG3

LD A, FD
 LD i, A
 LD H, E
 LD L, E HL=0
 LD (JDF3), HL
 LD (JDF8), HL
 LD SP, 4120
 JP CFFD
 JP 7394 (ED110 73B4)

CFFD

81

LD HL, #6000
 LD DE, #5800
 LD BC, #7000
 LD R

40360, 64

32768, 269
 DIE
 4D01

①

~~LD HL,~~
 im 1
 LD A, FF
 LD DE, 5FFF / LD SP, 5FFF
 JP #HCB

auto c DEEE no FFFF
 53248, 12288 (#3800)

②

im 1
 LD HL, # CFFF
 LD DE, # FFFF
 LD BC, # 7500
 LDDR
 LD A, FF
 LD DE, 5FFF / LD SP, 5FFF
 JP #HCB

DE = 1B0C Tenepc c 8B00 no FFFF (SB00 no CFFF)
 35584, 29952 (#7500)

C800
 - 5B00
 = 6D00

3, 6000
 6D00
 C000

32768, 00168

- B000
 36000
 5000

6000 6000
 6000 5B00
 5 5000

6000 = 1001
 5005

B0
 60

(print)

2801 LOADEN

1001 = 6000
 1D01 7
 1E01 8
 1F01 9
 2001 4
 2101 B000
 210F B000

ELITE3 (nperranna)

7394 (START) XOR A
LD (70E3), A → CLS
CALL D036 →
CALL 8042 →

739E → LD HL, 6065
SET 7, (HL)
CALL 7461
LD A, (FC0D)
INC A
JR NZ, 739E
LD HL, 7470

73AF → INC (HL)
LD A, (HL)
AND 0F
CP 0C
JR NC, 73AF
LD HL, AE3C
LD E, A
LD D, 00
ADD HL, DE
LD C, (HL)
CALL BB75 =>
nop

73C3 → CALL 8080 =>
CALL 7430 =>
CALL 9CAF =>
CALL 7FBE =>
LD BC, FF1F
LD HL, FC0F
HALT
JR 73E2 →

FF25 (HALT) DI
LD (FF56), SP
LD SP, 4020
PUSH HL
PUSH DE
PUSH BC
PUSH AF
PUSH IX
PUSH IY
CALL FD69
CALL FE01
CALL 7125
POP IY
POP IX
POP AF
POP BC
POP DE
POP HL
LD SP, (FF56)
EI
RET

FF35
FF38
FF3B

CTEK 1-LOAD 2-SAVE 3-CATALOGUE 4-DEMO

FILENAME	FILENAME	FILENAME
4223		4235
COMMANDER'S NAME		nameess
		7755

REDISKED BY TITOV ANDREY A. X '94

COMMANDER'S NAME:
REDISKED BY TITOV ANDREY A. # '94

1-LOAD 2-SAVE 3-CAT 4-DEMO
CATALOGUE 4-DEMO

ШРИФТ 59 БУКВ
СТ L 90 Z

17*3 - названия = 51 (408 БАЙТ)

16*3 = 48 ФАЙЛОВ

```

Di XOR A
LD HL, #5820
LD BC, #0200DF
LD HL, DE, #5821
LD (HL), A
LDIR
LD HL, #4120
LD DE, #4121
LD BC,
LD HL, #4200
CALL CLS
LD HL, #
LD A, #F7
IN A, (#FE)
AND 8
JP Z, DEMO
LD HL, #4800
LD BC, #0000
CALL LOAD9
LD HL, (#50ES)
LD (

```

- ЗАПЫСКИ С КЛЮЧОМ
- КОЛ. СВОБОДНЫХ АНДРОС