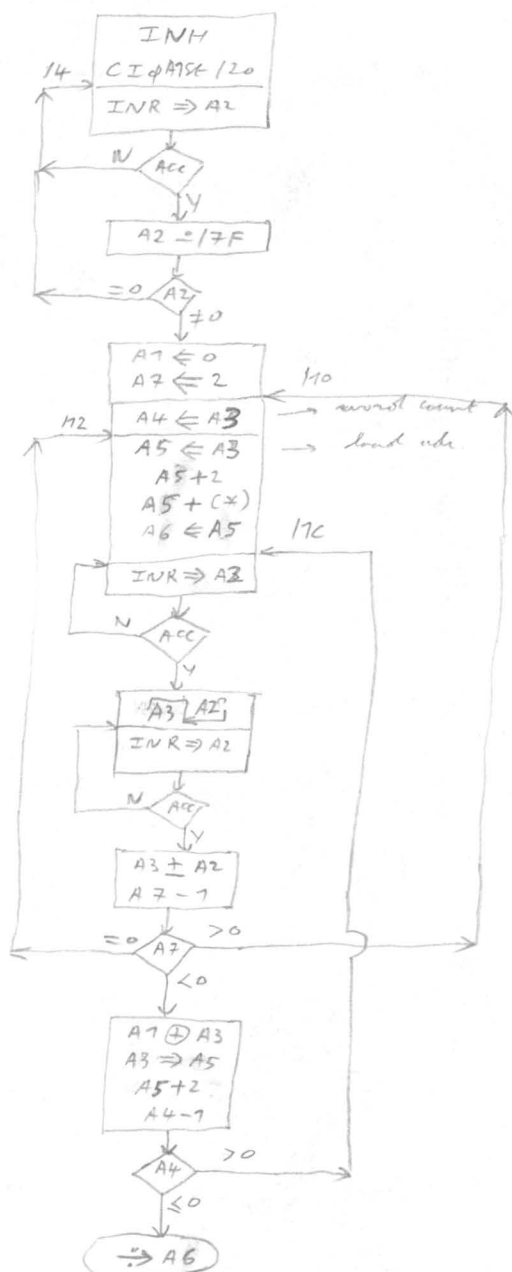
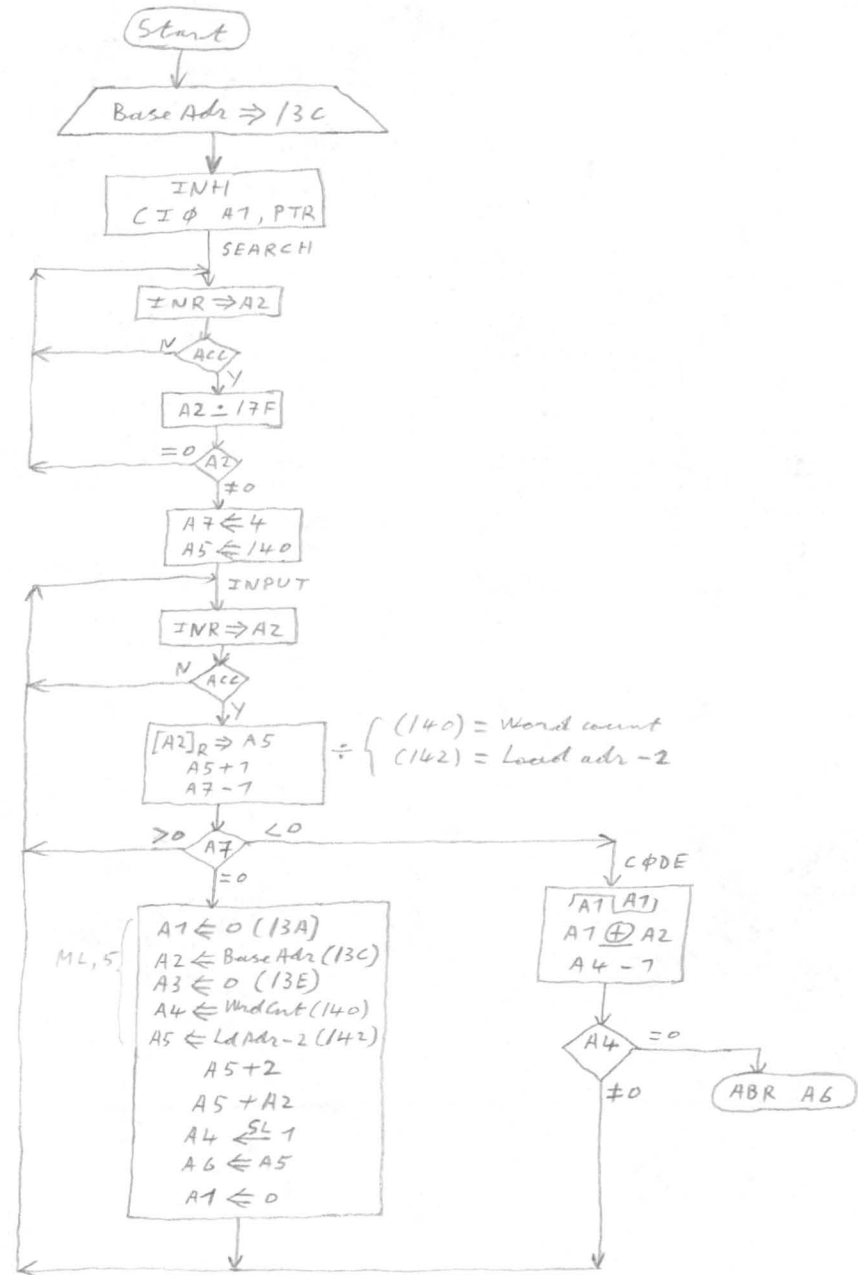
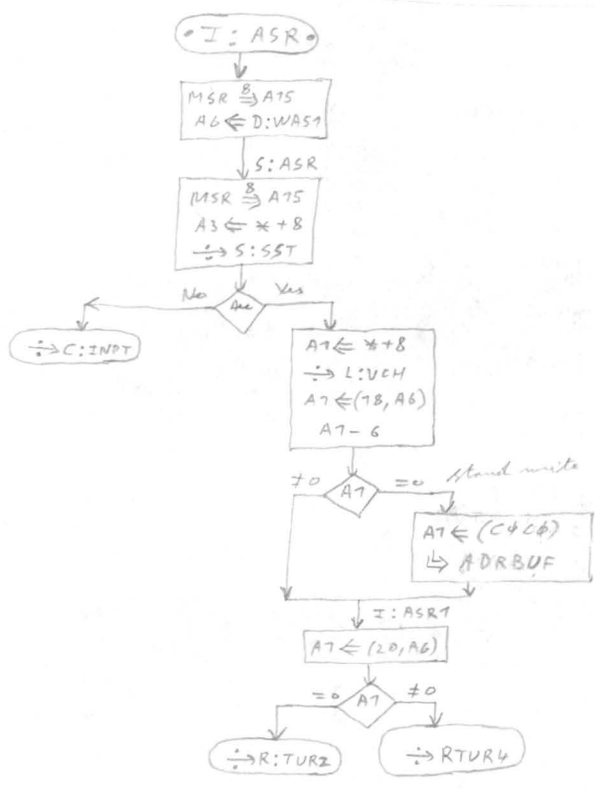
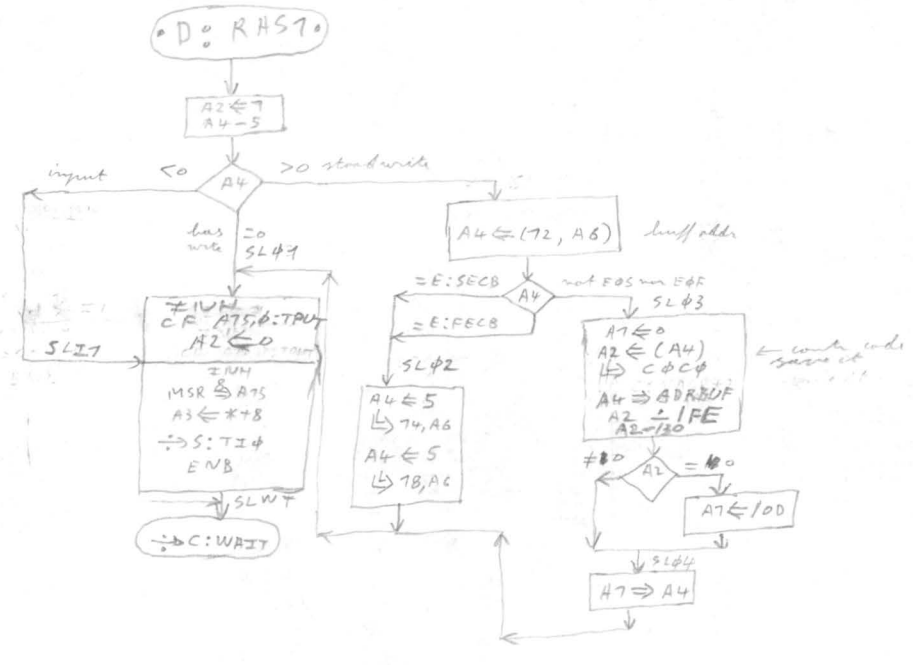


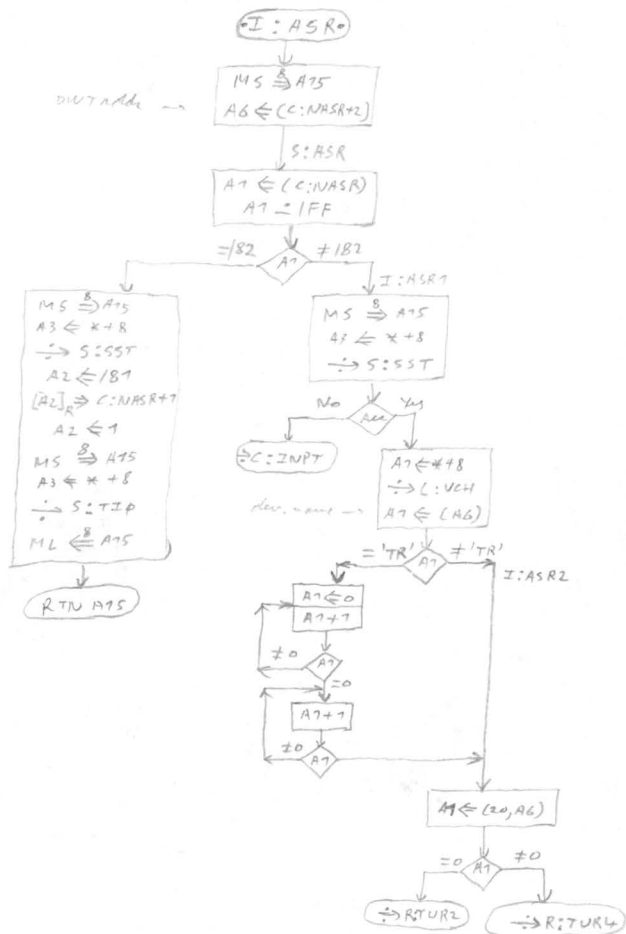
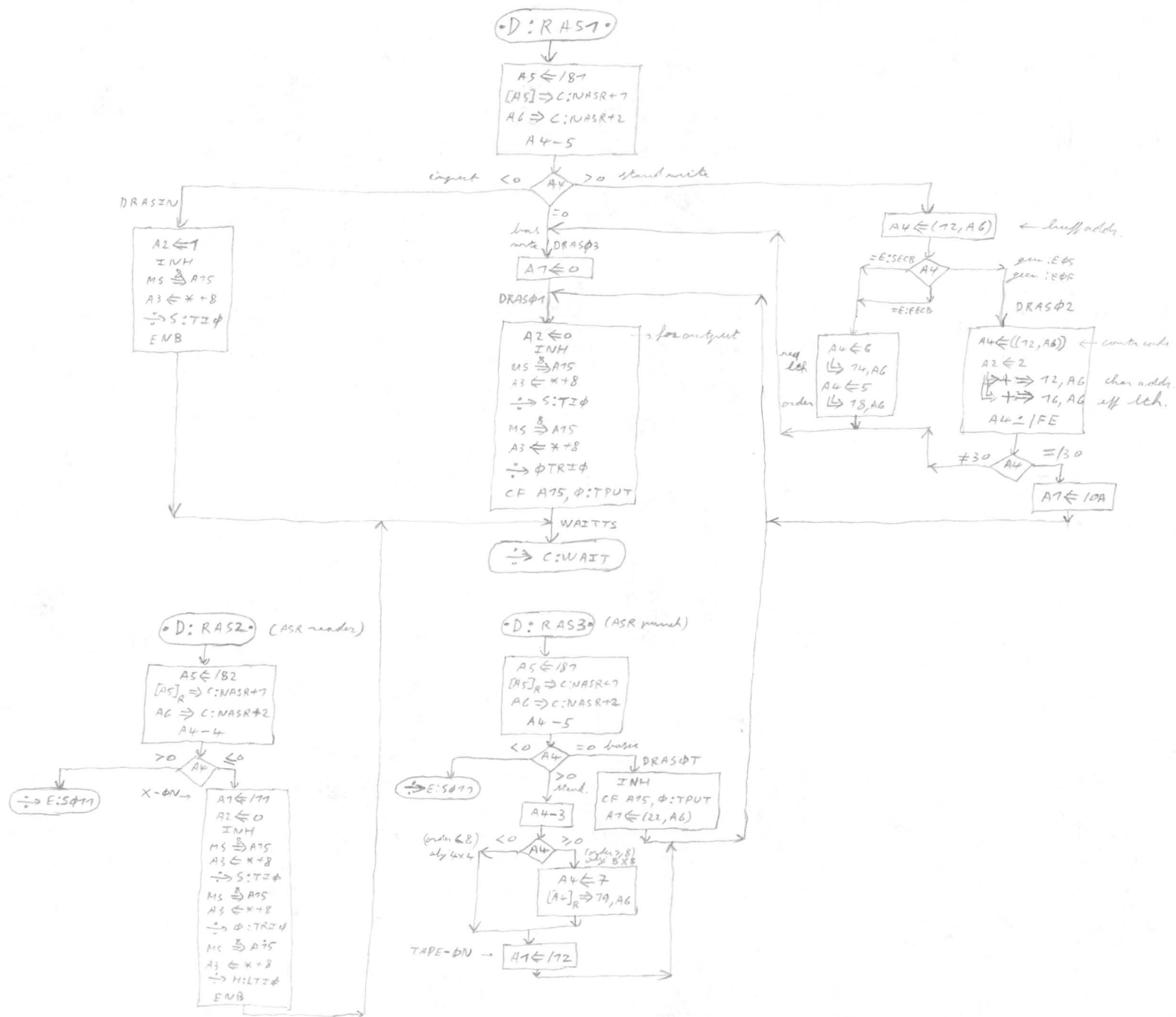
Bootstrap loader

BφφT89





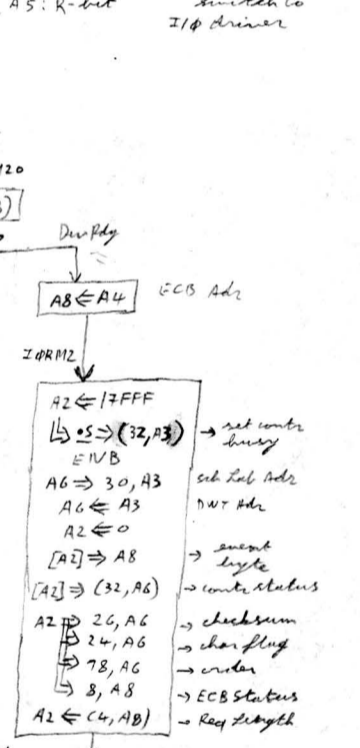
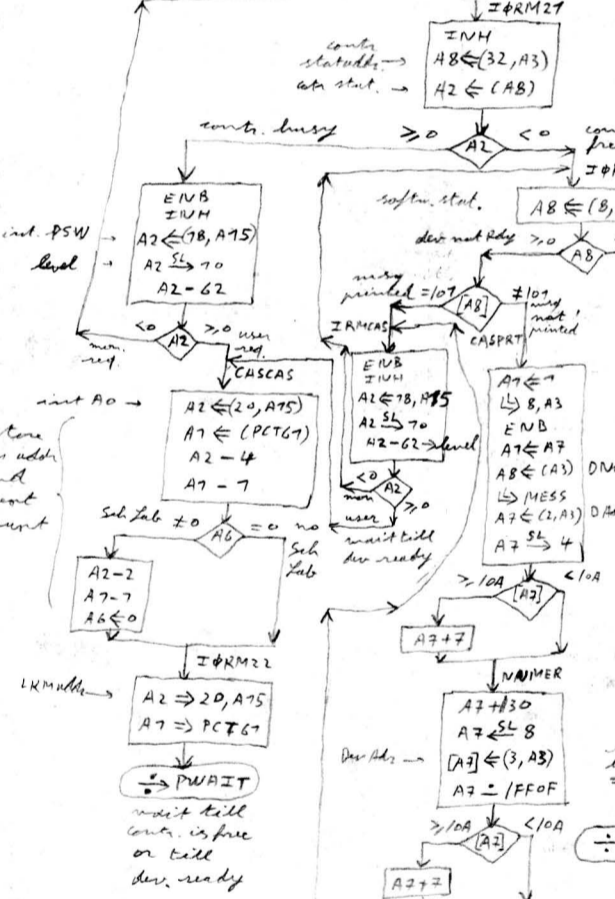
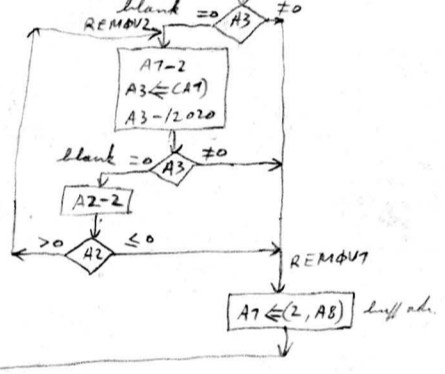
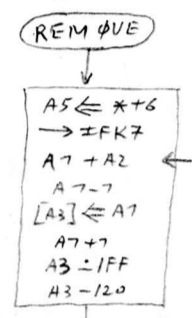
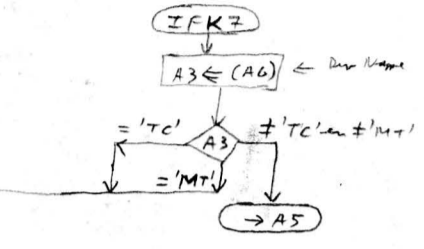
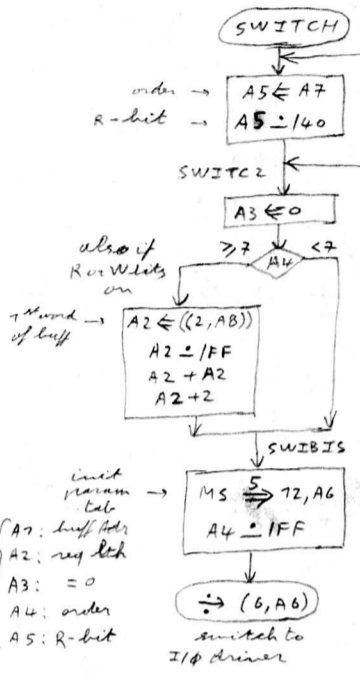
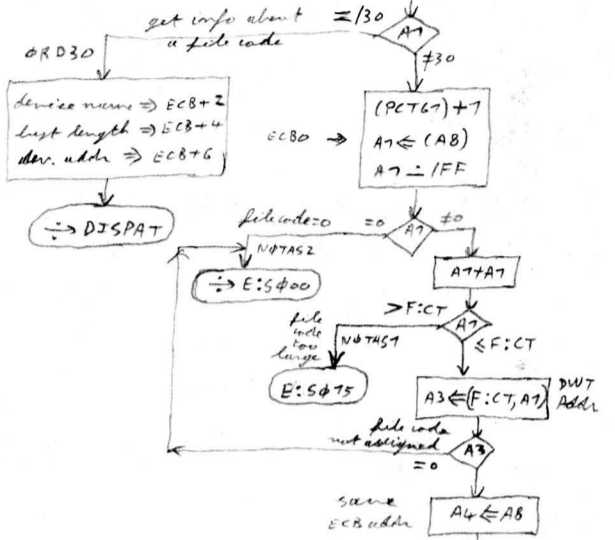
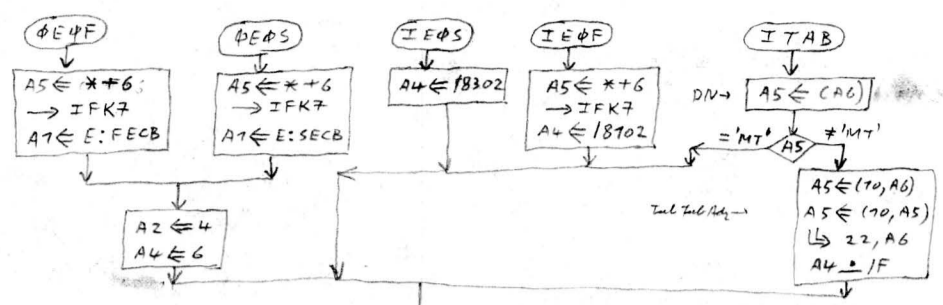
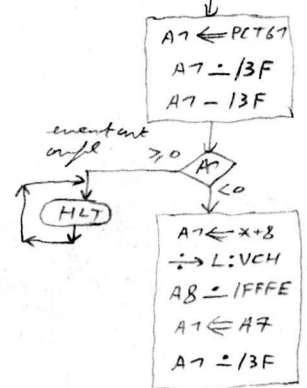




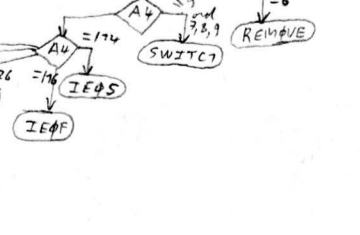
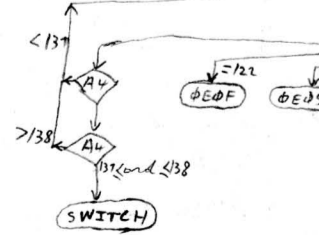
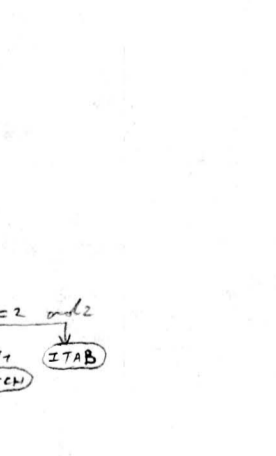
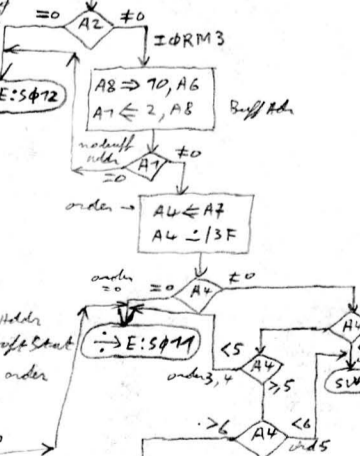
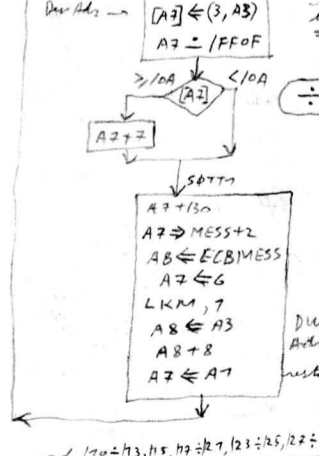
entry: A7: order
A8: ECB addr
A6: Sch Lab Addr

M: IΦRM0

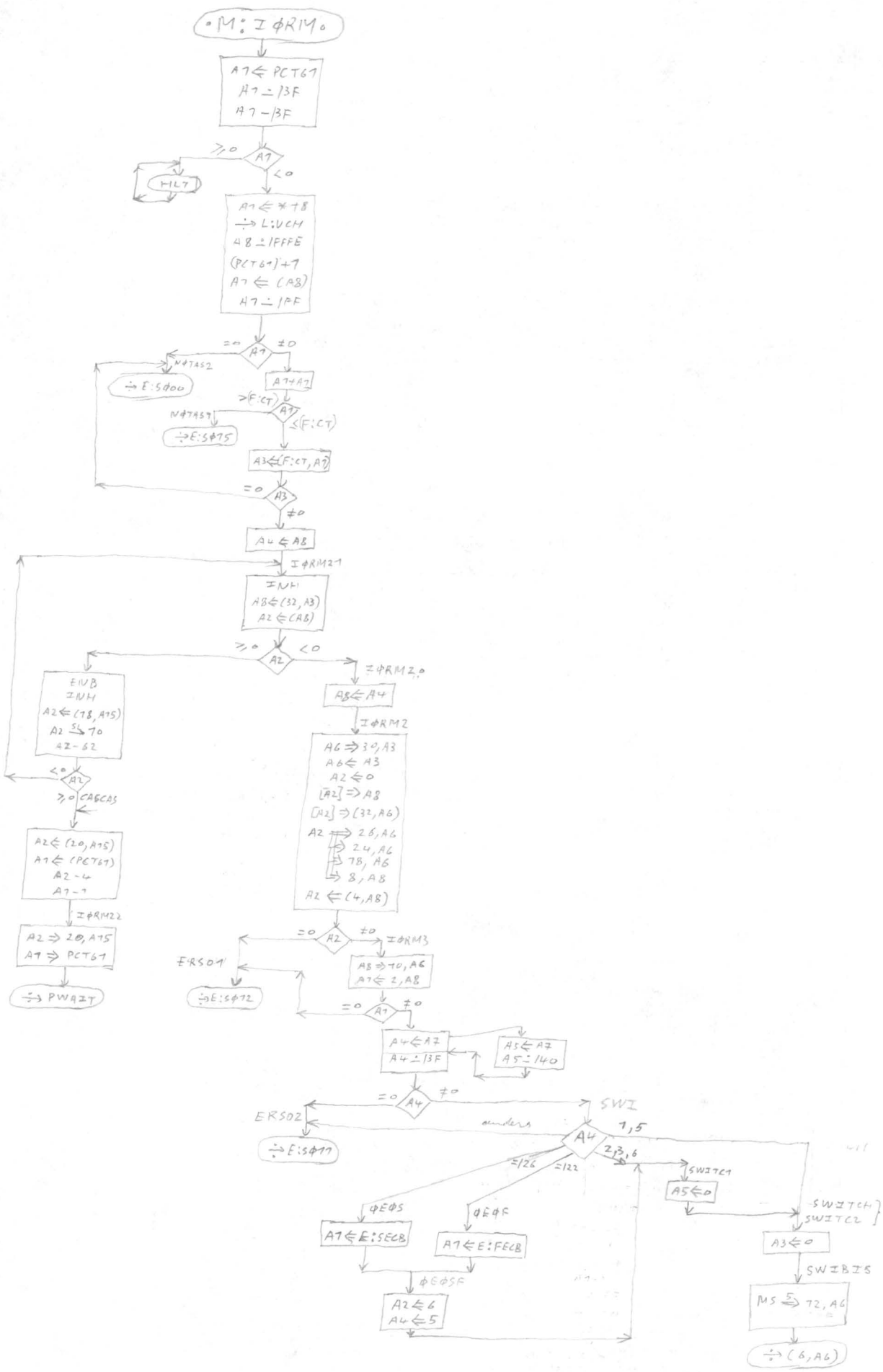
IΦRM
BΦM | R2



CASPRT for MT only

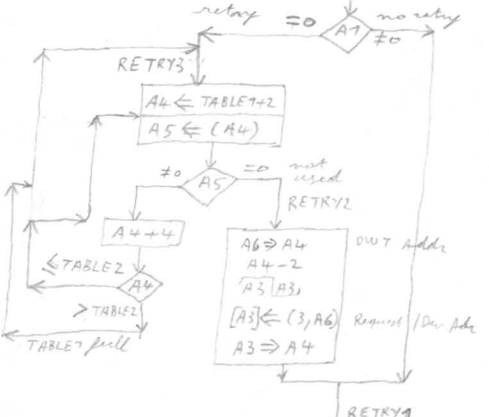


I φRM
DZBφM



entry: A3: Request (LHW)
 A6: DWT Adr
 A2: Status
 A7: 0 Key
 #0 No Key

M:RETR



conversion
 Dev Adr to Hex

Dev Name → A3 ← (A6)
 Dev Adr → A3 ← (2, A6)
 2 MSB's → A4 ← A3
 4 LSB's → A3 ← 1F
 A3 ← 130

A3 ← 130
 A3 ← 7

Status
 4 MSB's → A3 ← A2
 A3 ← 1F
 A3 ← 130
 [A3] ← BUFRY+7
 A2 ← 1F
 A2 ← 130

A2 ← 7

[A2] ← BUFRY+7
 A2 ← 75

A2 ← 3

A2 ← ECBRY+4
 A7 ← 6
 A8 ← ECBRY
 ENB
 LKIM, 1

A2 ← 0

end of I/O

entry: A5 = Adr (IINHCP) MS ← ECB = ECBP-BUFCP
 A7 = char Adr PRY or RDMMSY + 2

RY PRΦ
 RD PRΦ

I MR A5
 CF A74, HB ← Dev Adr in A2

too large dev Adr > 13F ≤ 13F

PRΦ7 → ERHB
 A3 ← A2 ← Dev Adr
 A4 ← TABLE1+7

PRΦ6 → A3 = A4 dev Adr found PRΦ5
 A4 ← 7
 A7 ← (BUFCP) → 1st 2 chars

count search → A4 ← 4
 A4 ← 4
 A4 ← 4
 A4 ← 4

dev Adr not found > TABLE2
 C ≠ A7, A, DA → A3 ← 47C0
 DWT Adr → A6 ← (2, A4)
 ECB Adr → A5 ← (70, A6)
 order → A7 ← (70, A6)
 A7 ← 1FF
 A7 ← 3

A7 ← 2
 [A7] ← 70, A6

PRΦ2 → IINH
 A3 ← EXE
 A7 ← (2, A5)
 A7 ← 0
 A7 ← 70, A6
 A2 ← 0

DN → A3 ← (A6)

DWT Adr → MS ← 24, A6

PRΦ3 → MS ← 6, A5
 request → [A7] ← A4
 cost → A7 ← 13F
 'EXE'
 A7 ← 0
 A4
 2, A4
 ENB

PRΦ8 → CPTV

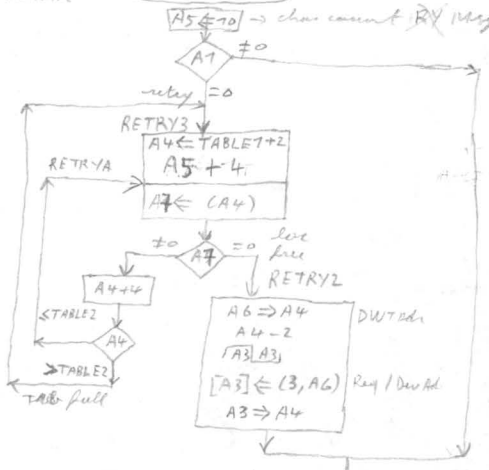
PRΦ7 → A6 ← (2, A4)
 A7 ← 0
 A4
 A8 ← (70, A6)
 A2 ← 18000
 A7 ← CPTV

PRΦ7 → R:TURN5

M:RETR
 BΦM | RZ

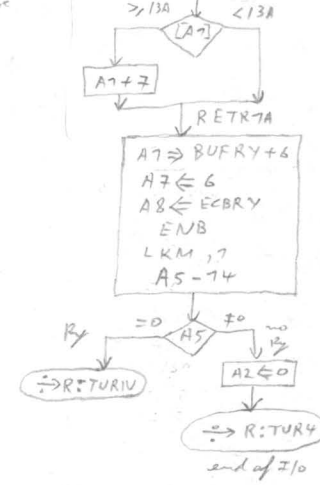
entry: A7=0 RY
 170 NoRy
 A2 Status
 A3: Request (RHW)
 A6 DWTAdr

MORETR



char count → A5 ⇒ ECBRY+4
 Dev Name → A3 ⇒ (A6)
 ↳ BUFRY+4
 Dev Adr → A1 ⇒ (2, A6)
 DL 4
 A7+130
 A7 < 130
 DL 4
 A7+130

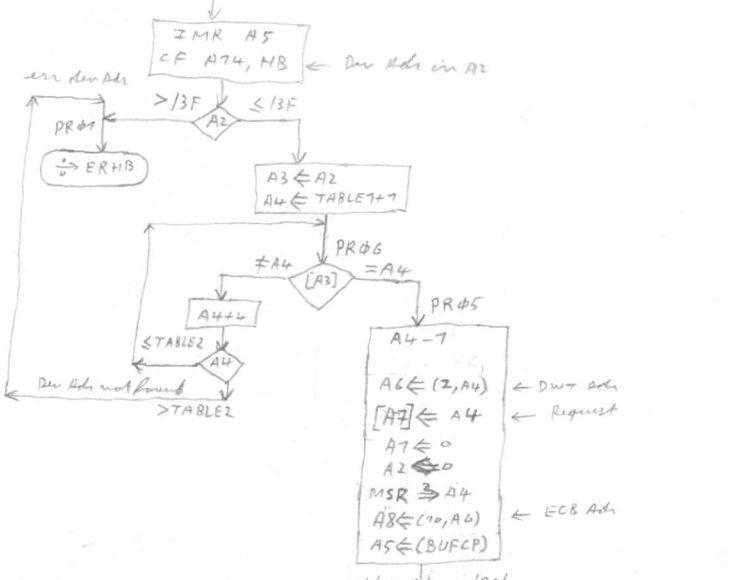
return to base



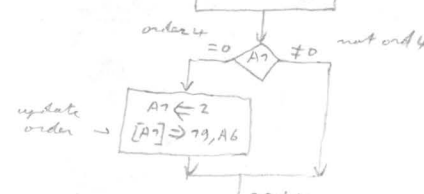
entry: A5 = Adr (IUVHCP)
 MSY ECB = ECBCP - BUFCP
 A7 = char Adr RY or RD + 2

RYPRΦ **RDPRΦ**

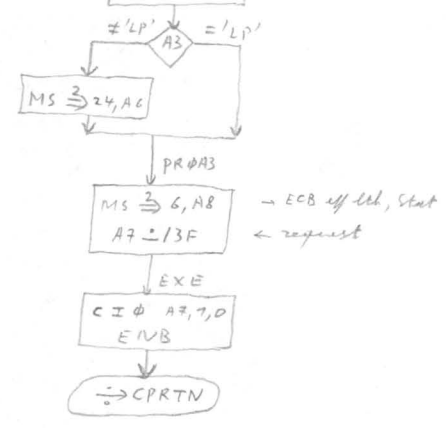
M:RETR
 DIBΦM



CIΦ A7, 7, DA → A3+147C0
 order → A7 ⇒ (78, A6)
 A7 = 1FB



Dev Name → A3 ⇒ (A6)
 MS ⇒ 24, A6

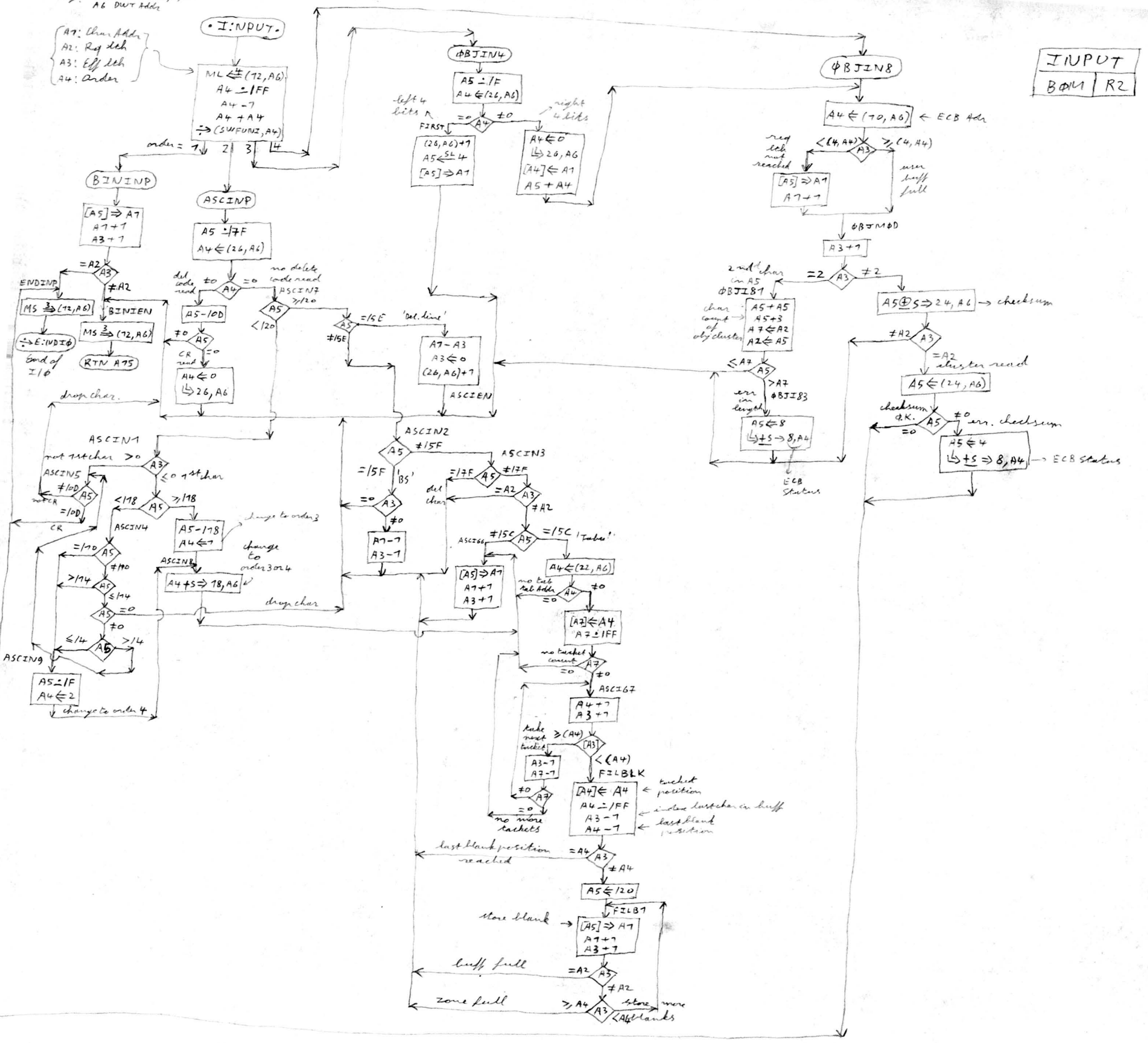


MS ⇒ 6, A8
 A7 = 13F
 EXE
 CIΦ A7, 7, 0
 EIVB
 CPTN

entry: A5 ← IUR A5, 0, DN
A6 DWIT Addr

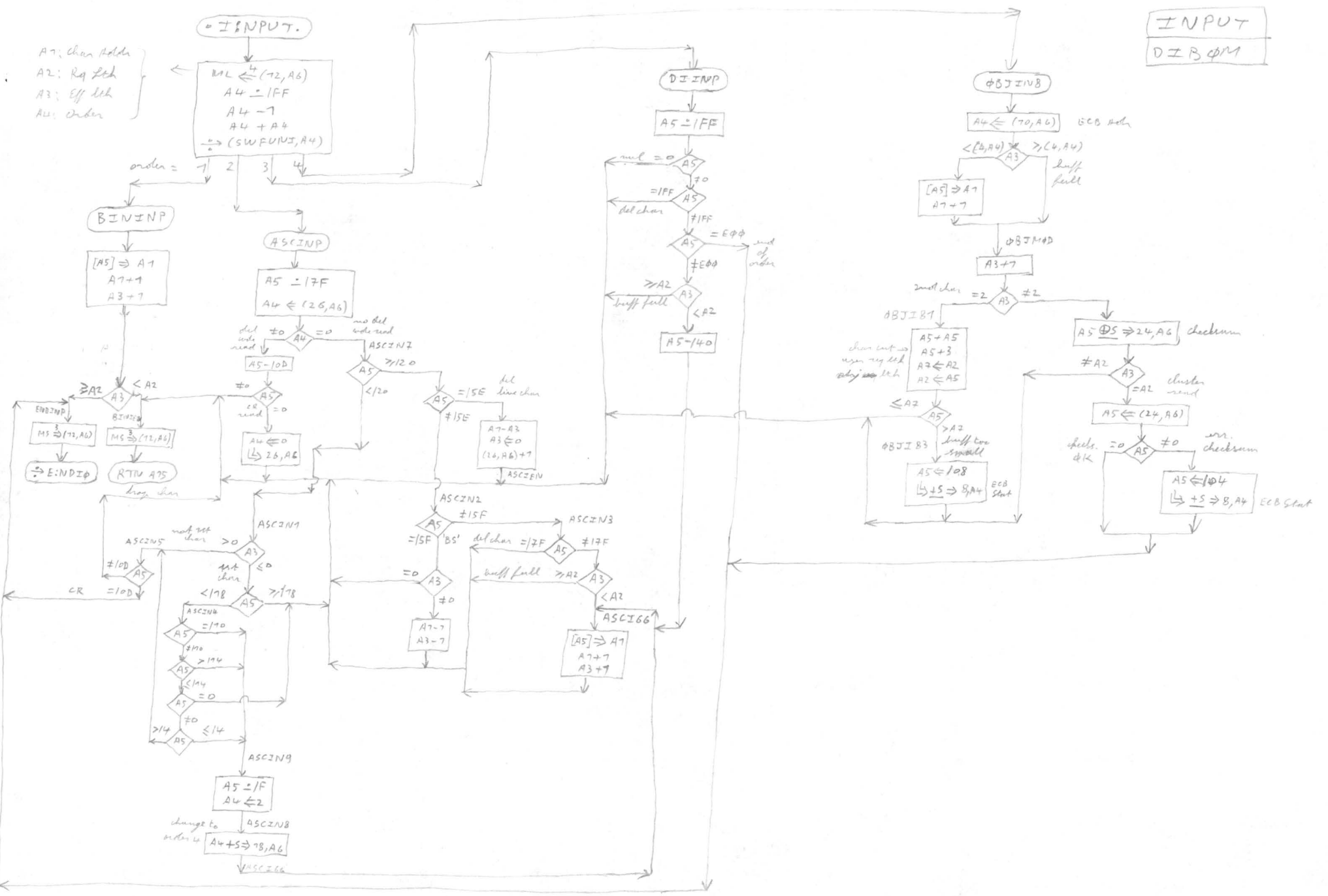
A7: Char Addr
A2: Reg del
A3: Eff del
A4: Order

INPUT
BOM R2



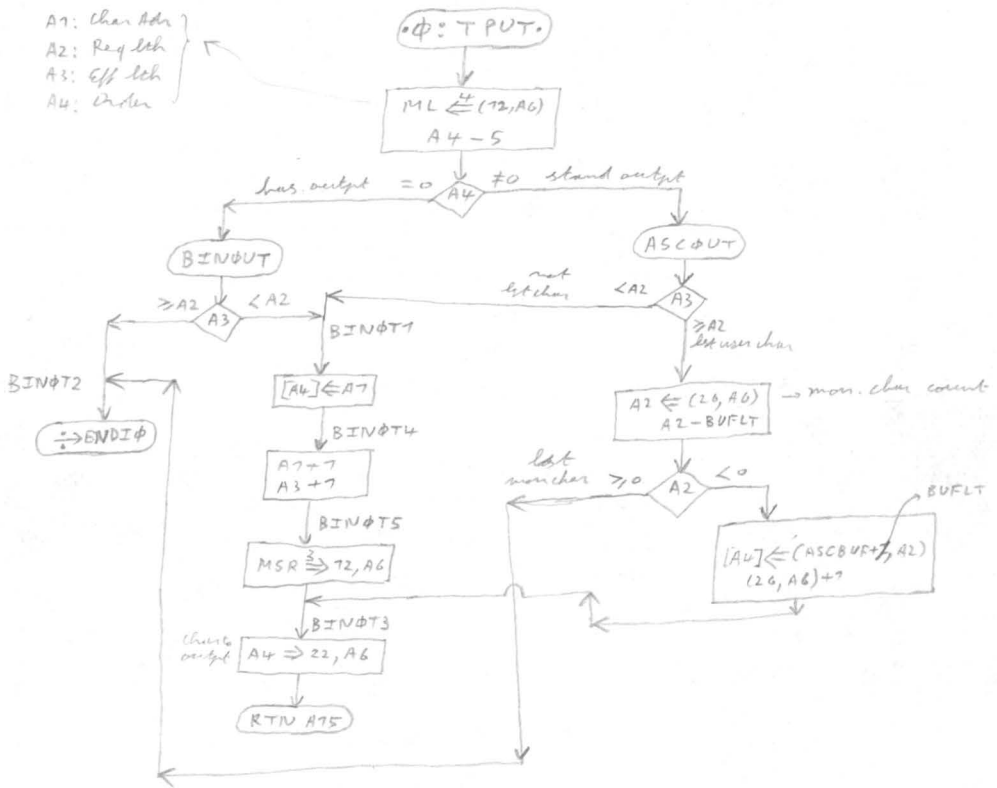
A7: char Addr
 A2: Rq Len
 A3: Efl Len
 A4: Orden

INPUT
 D = B, P, M

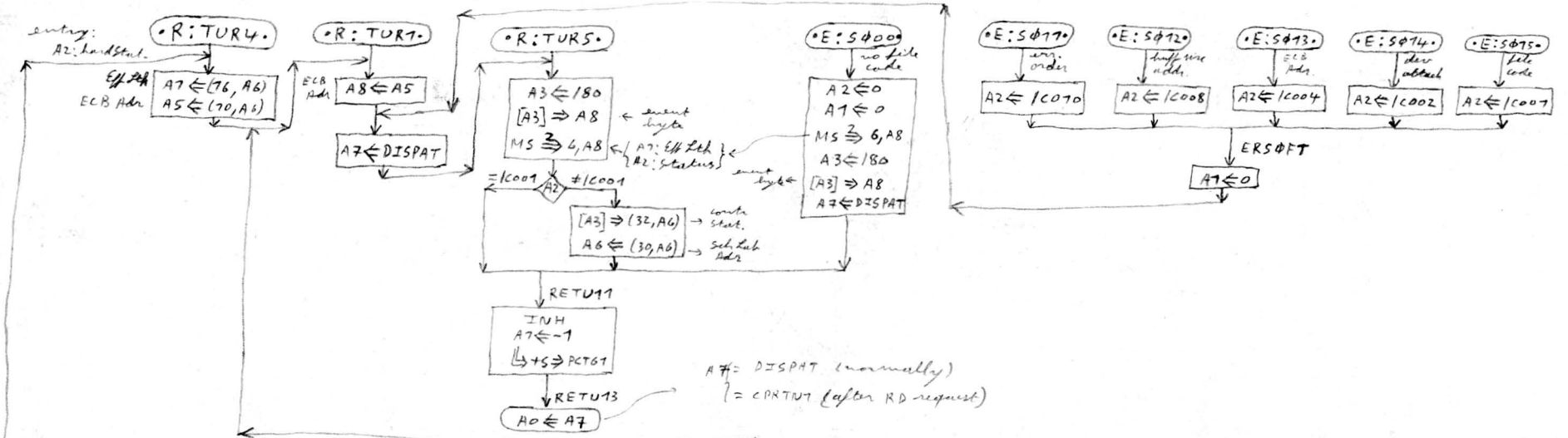
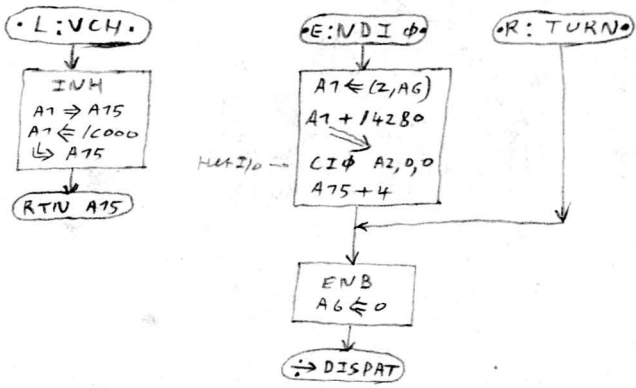


OUTPUT
DIBAM

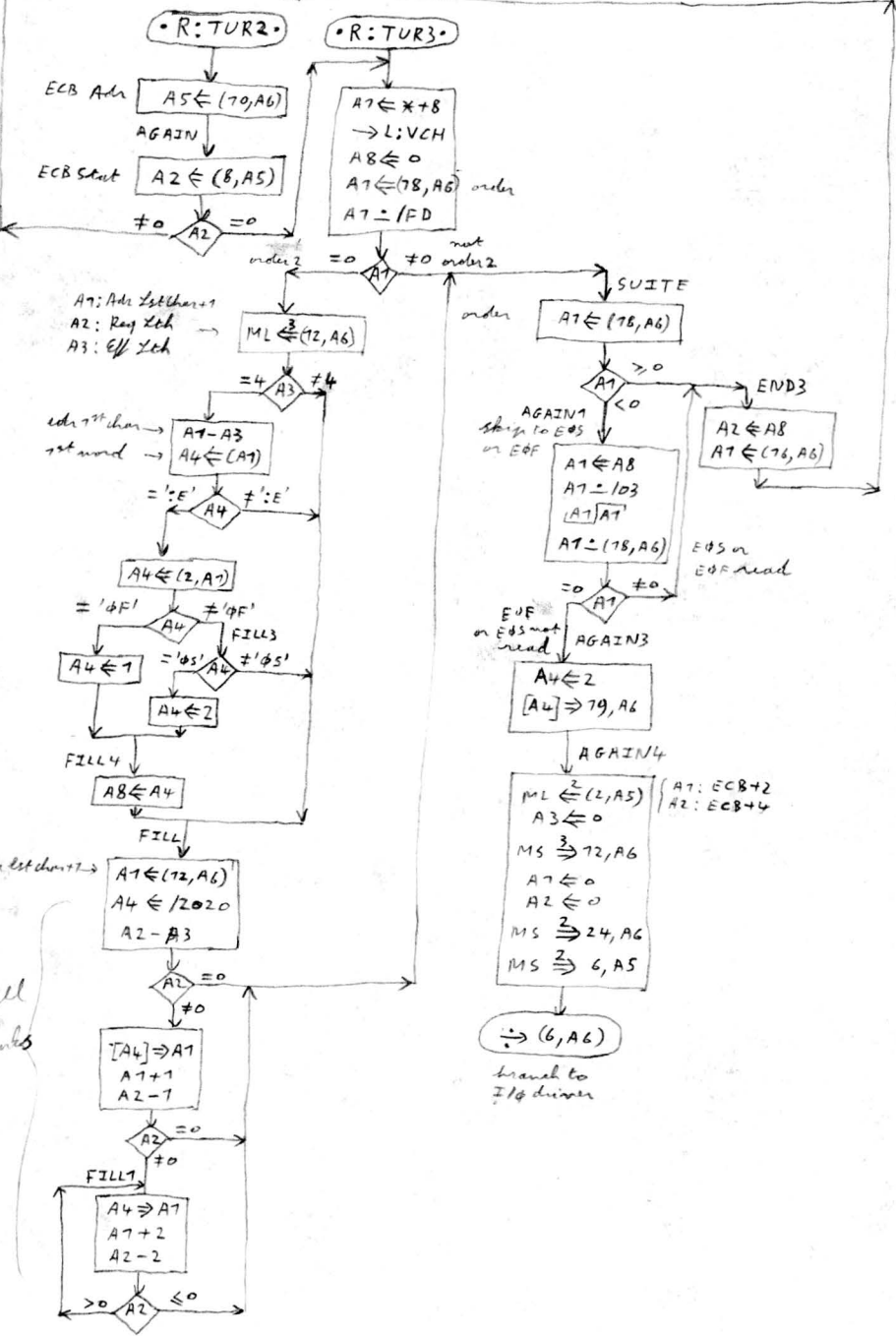
A1: Char Adr
A2: Reg lch
A3: Eff lch
A4: Char



E:VDIφ
BφM R2

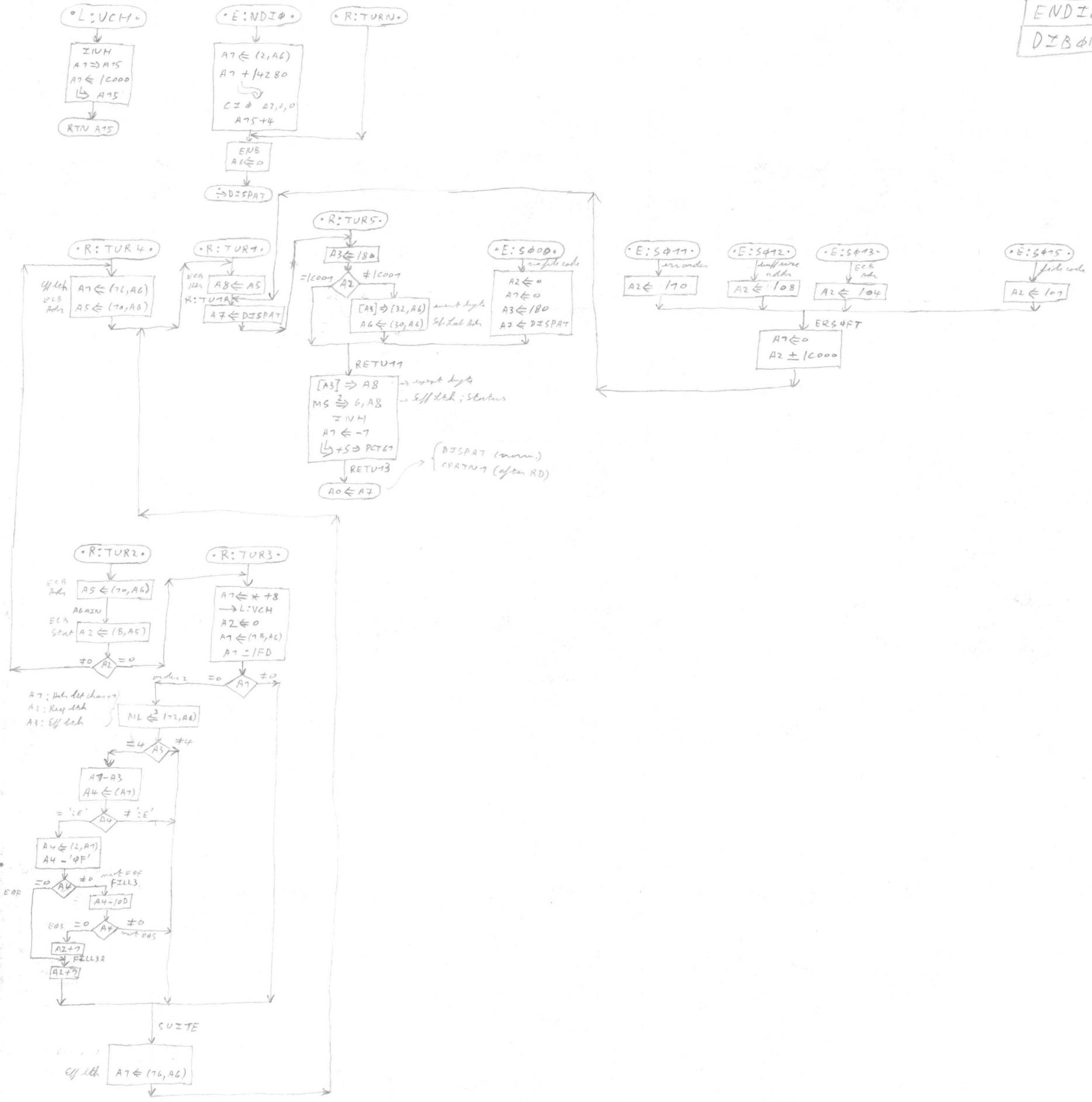


A ≠ DISPAT (normally)
= CONTIN (after RD request)

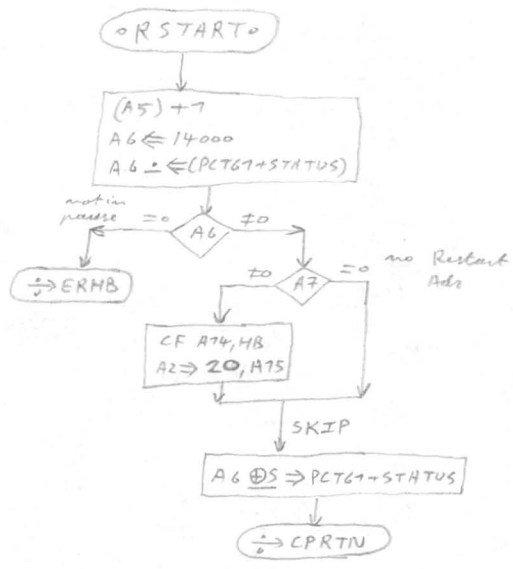


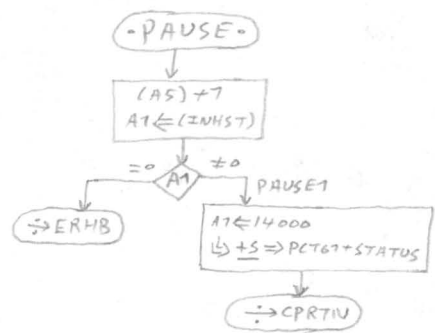
fill blanks

ENDIF
DIBOM



RSTART
DIBOM

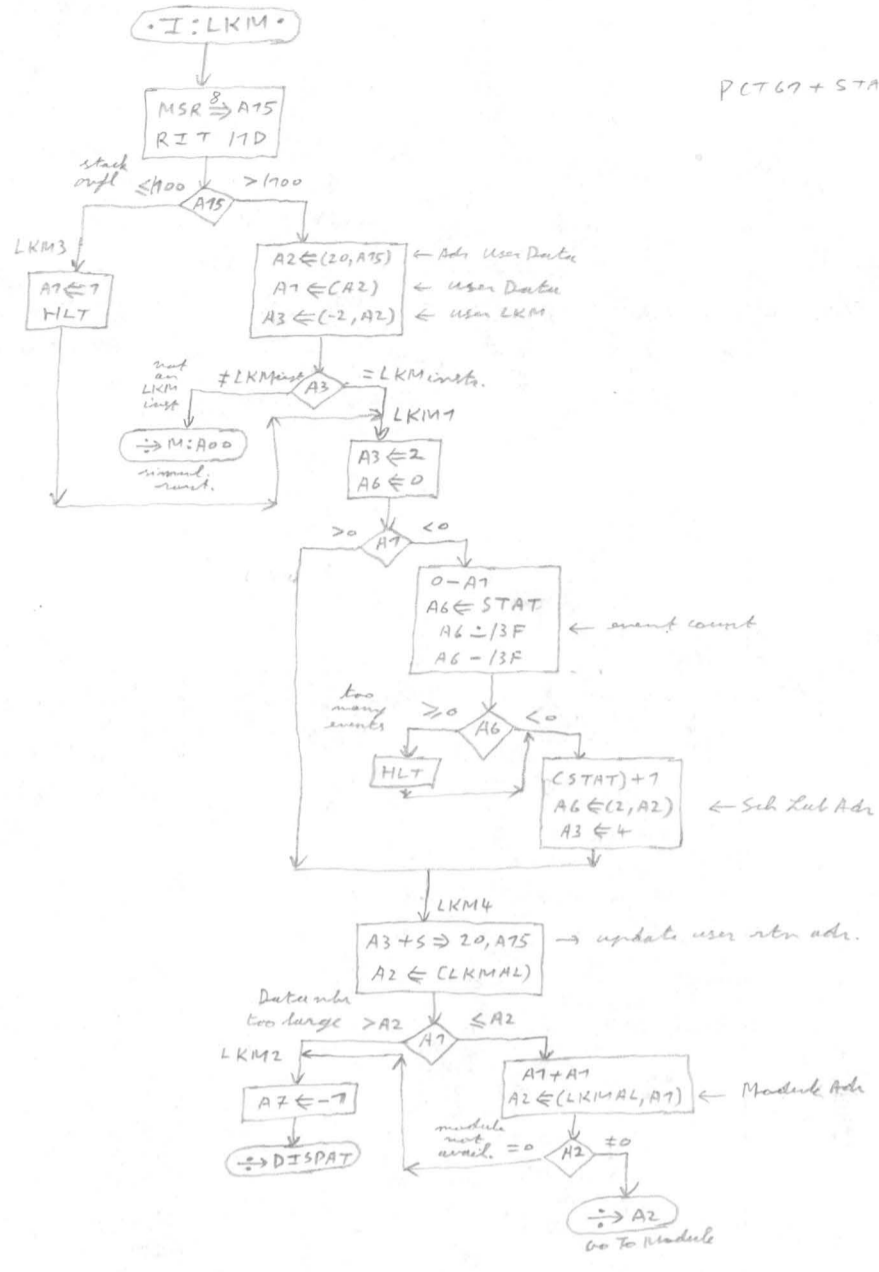


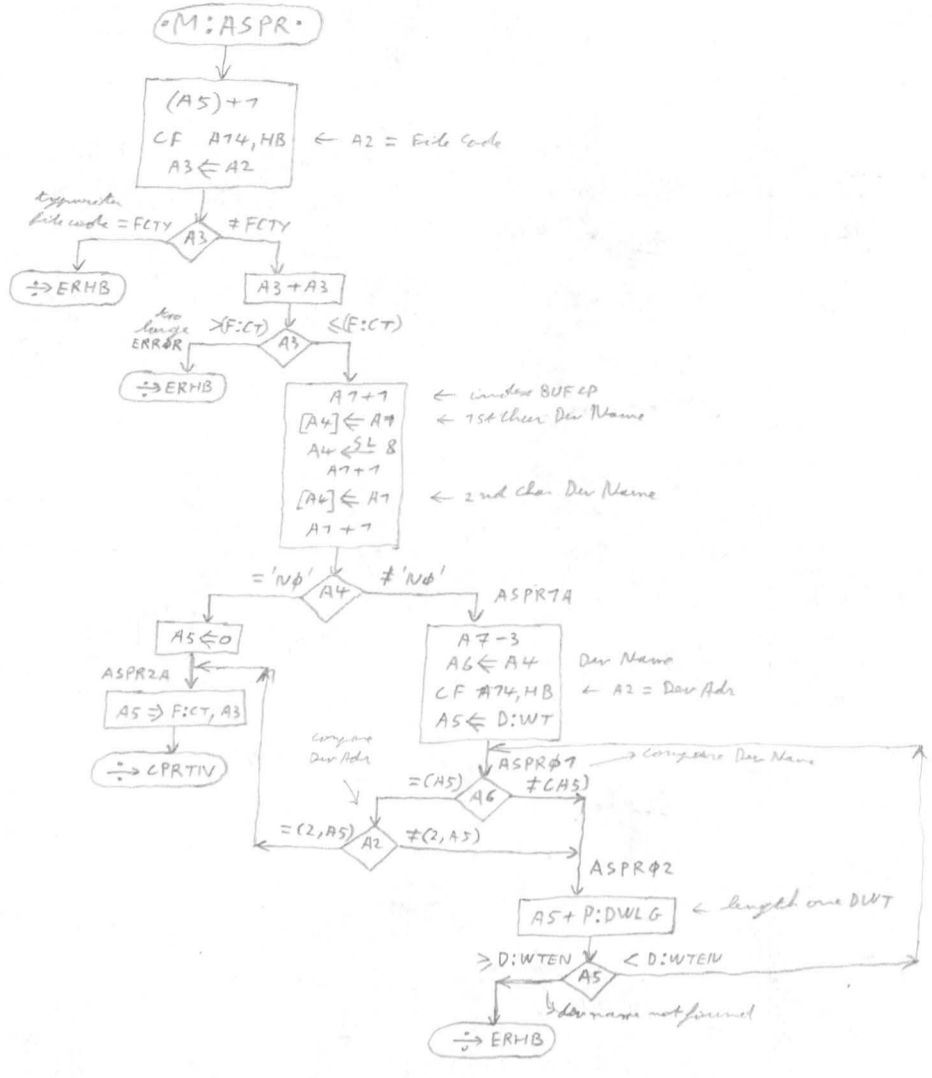


PAUSE
DIBΦM

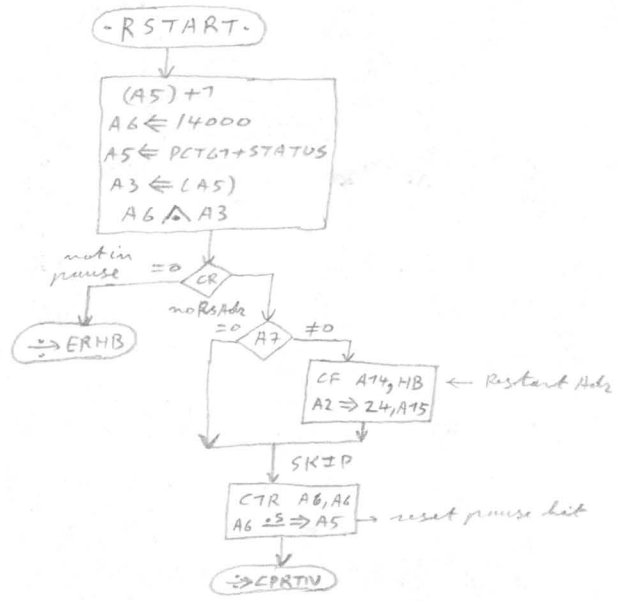
I: LKM
BQM/RZ

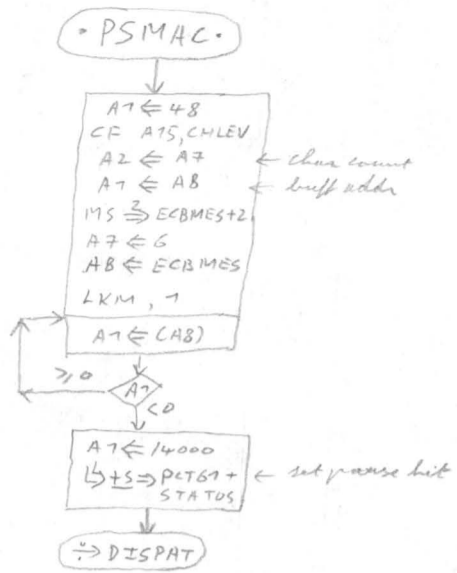
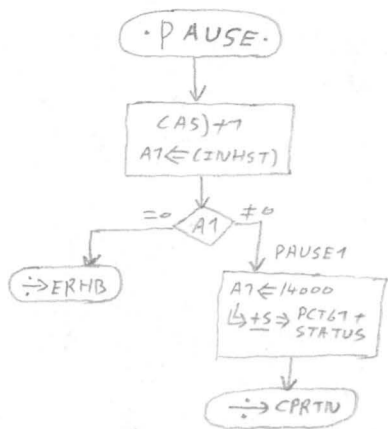
PCT67 + STATUS = STAT





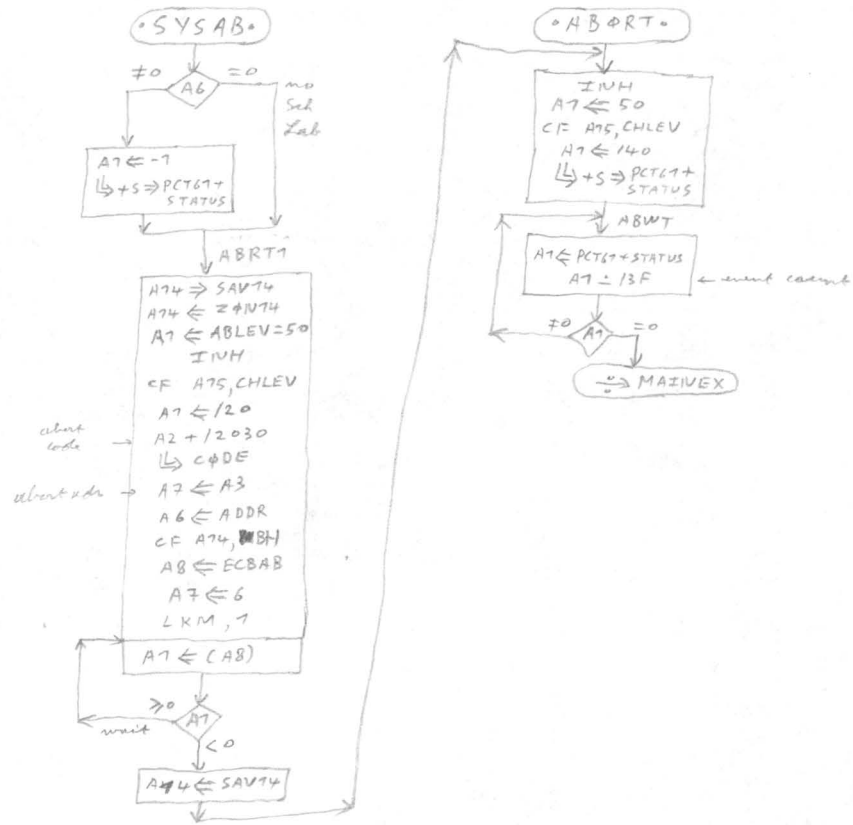
RSTART
BOM RZ

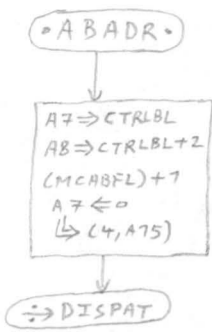




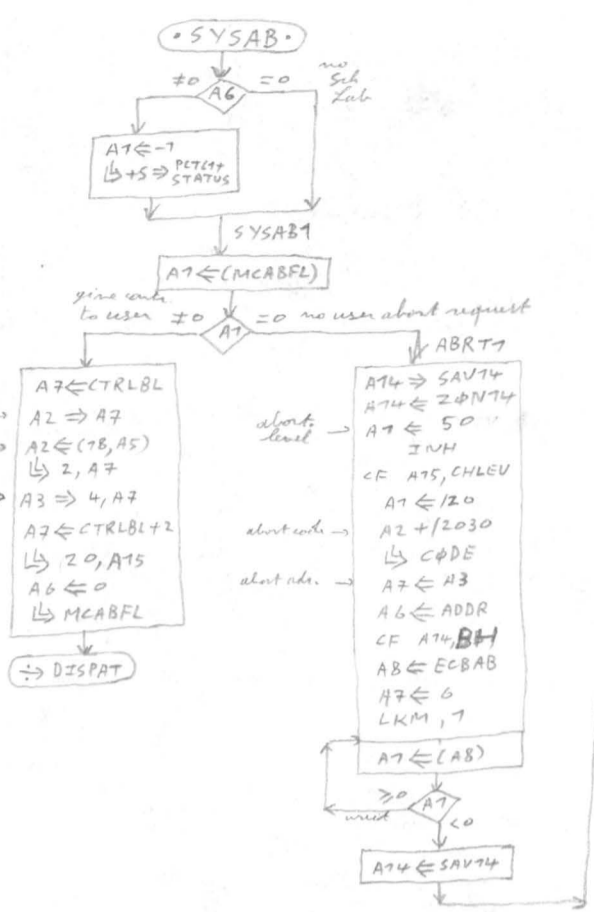
PAUSE
BOM/RZ

ABORT
DIBOM



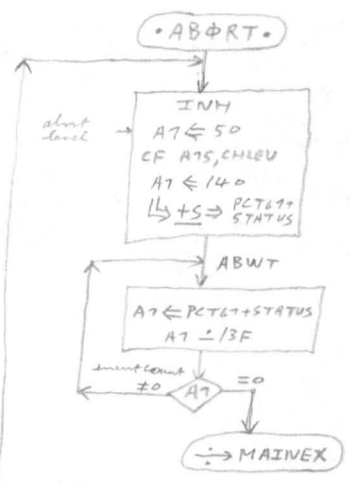


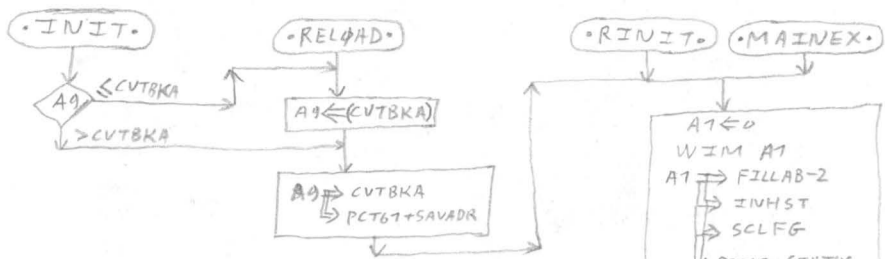
Abort code →
inld PSW →
Abort adr →
user Plan Adr →



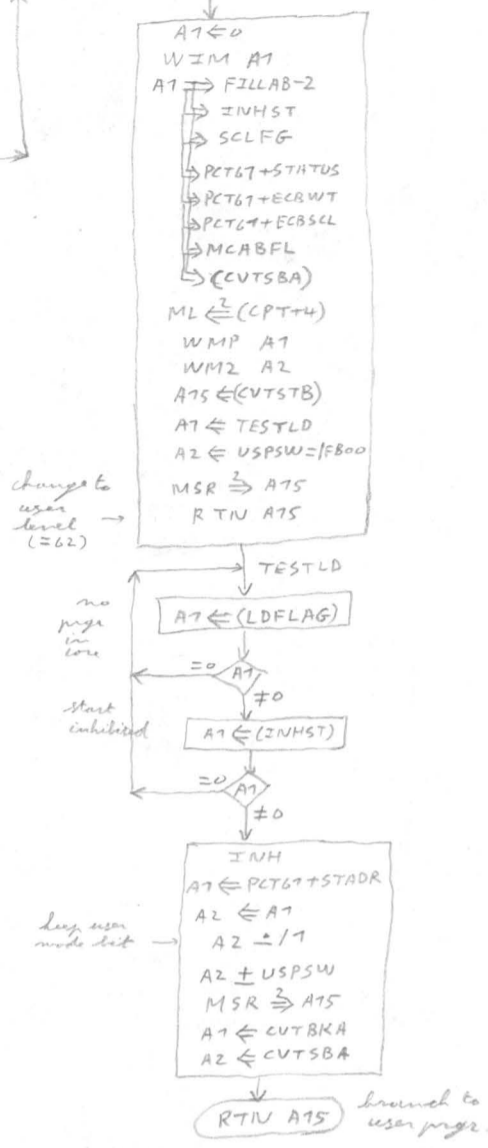
Abort code →
Abort level →
Abort adr →

ABORT
BOM RZ





INIT
BφM/RZ

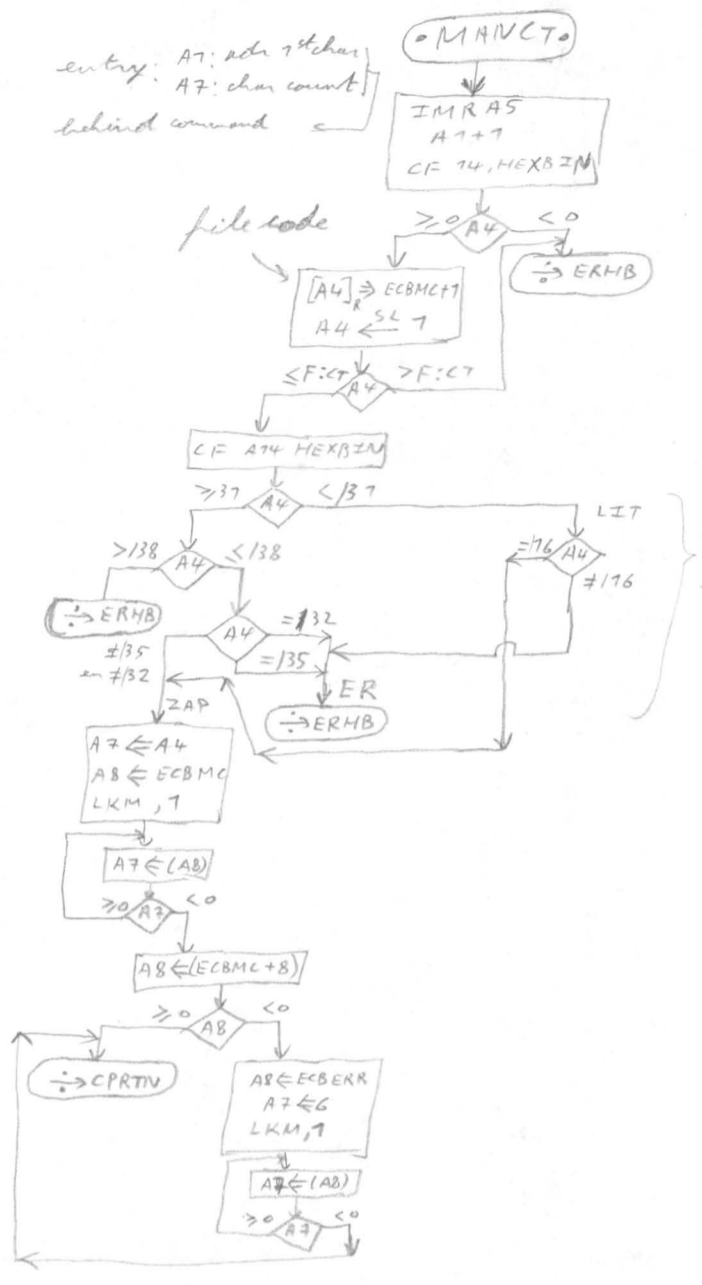


MANCT

GPB6M R2

entry: A7: addr 1st char
A7: char count
behind command

M c. filled order

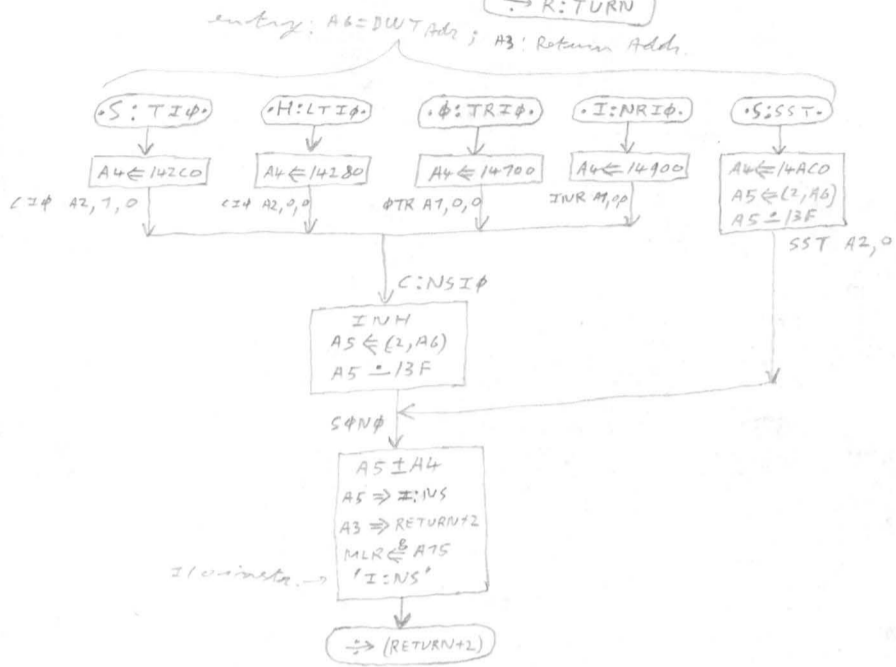
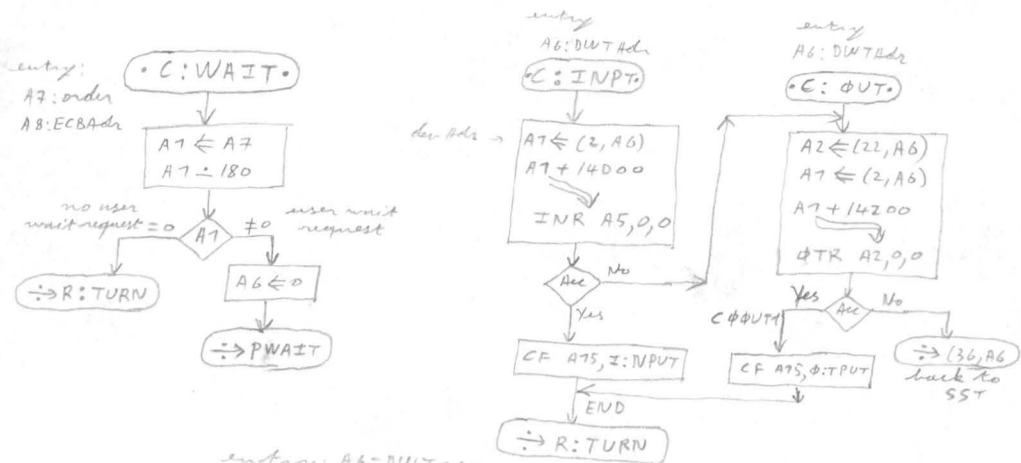


allowed readers: 176, 137, 133, 134, 136, 137, 138

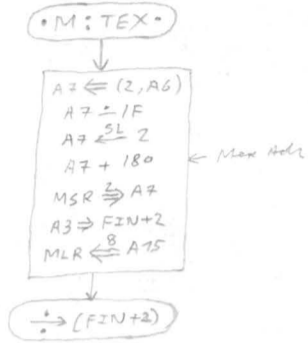
search
LIT
READS
READ

for MT

C	φ	M	I	φ
B	φ	M	R	Z

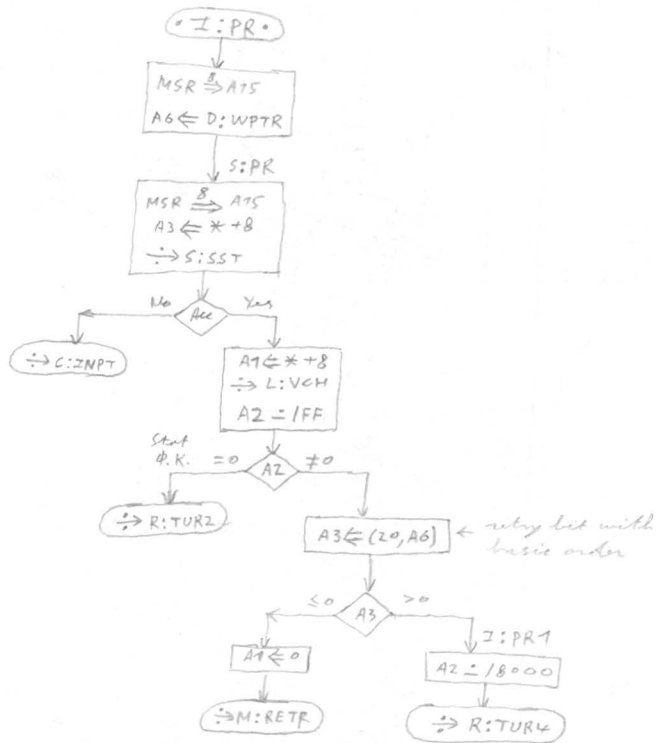
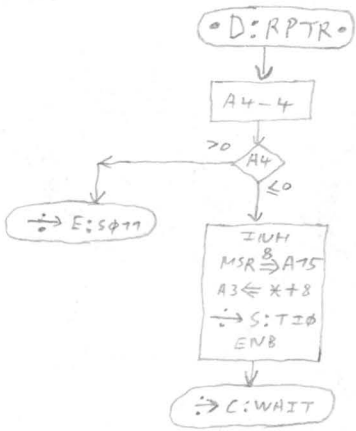


entry: A7, A2: MEX words; A3: Return Addr

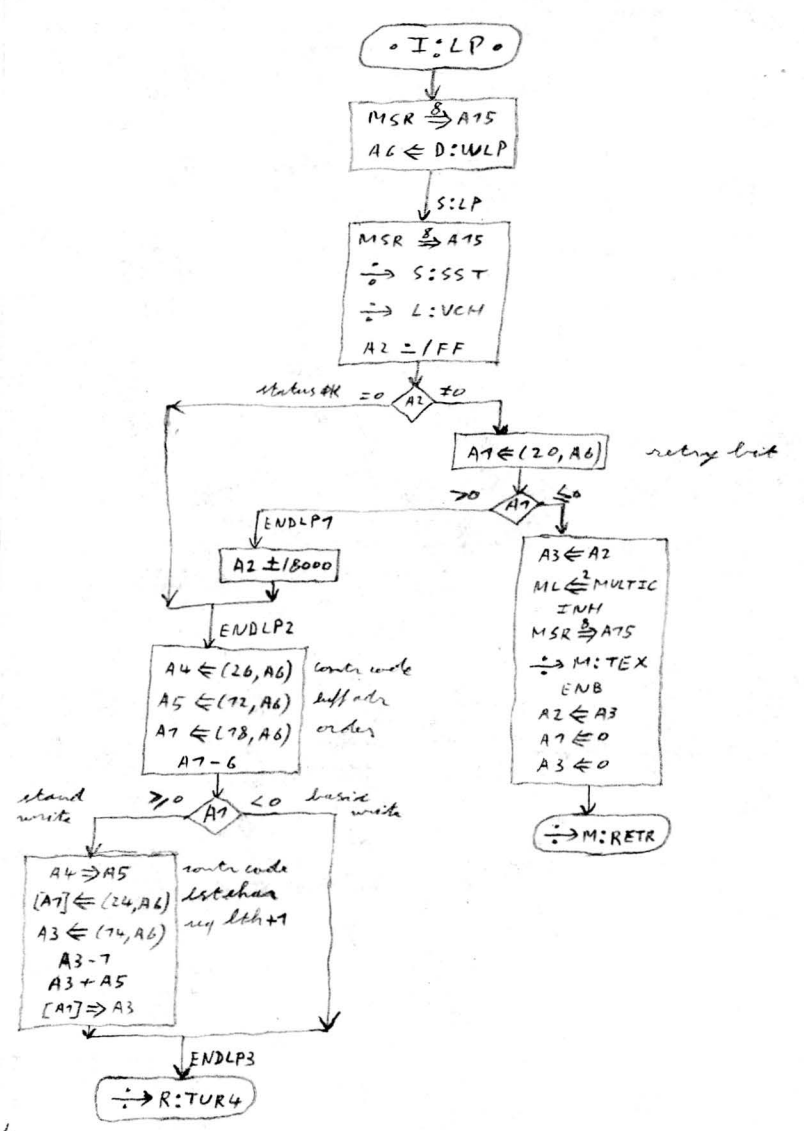
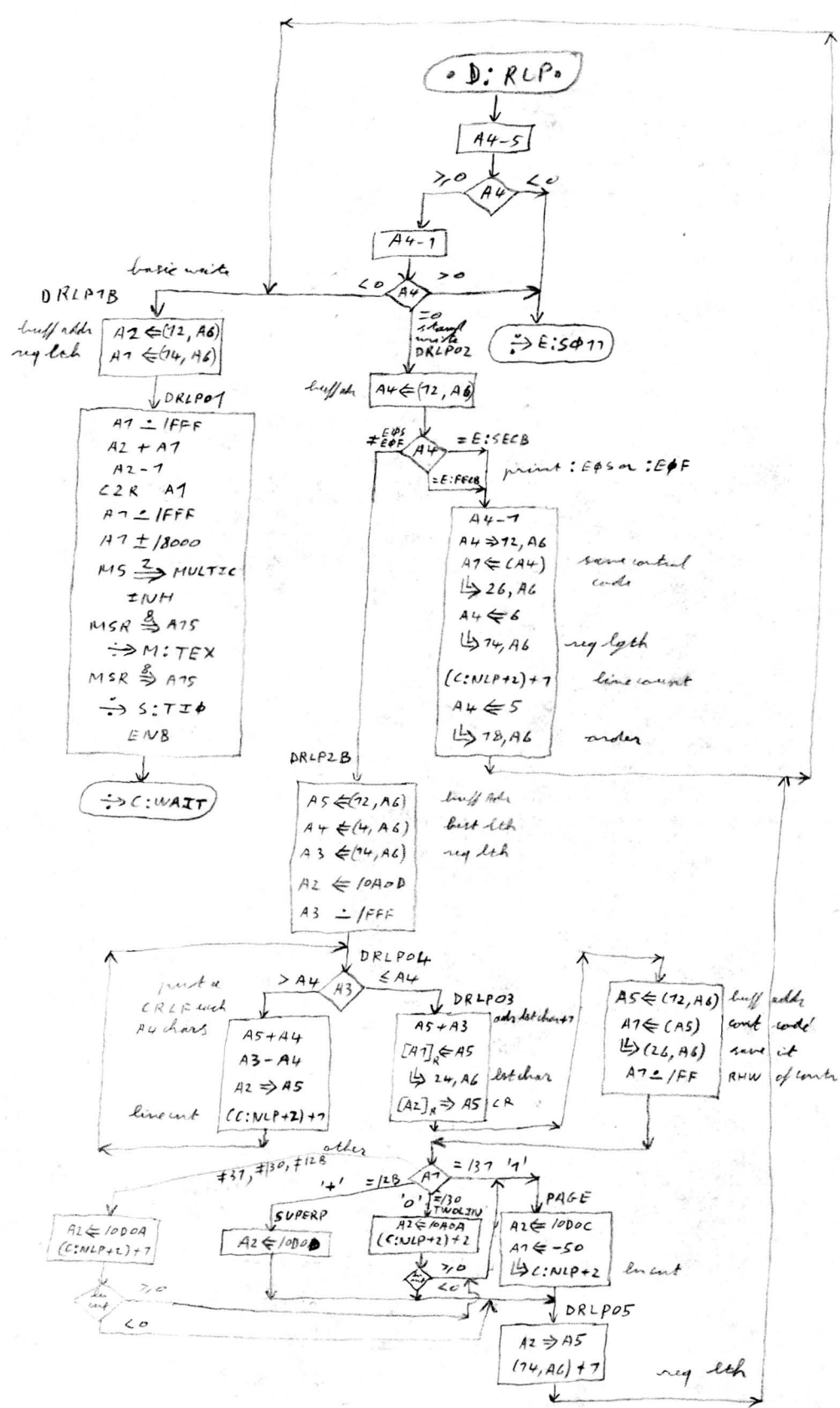


entry { A6: DWTAD
A4: Aiden

DRPR38
BPM/R2



DRLP
BPM/R2



modif
A74 ⇒ A6

HEBZCA0

ZMR A5
MS SAV

START

A14 ← STACK
A8 ← ECB
CF A14, SLIN
[A7]_R ← BUF+4
A1 ← IFF
A7 ← 120

A7 = 0 ?

HID

CF A74, HEBI

BIDE

A4 ← 120

A2 < 0 ?

0 - A2
A4 + 10

BIDE7

A3 ← 5

BIDE2

A7 ← 0

(A7, A2) ÷ 70

A7 + 130

[A7]_R ⇒ BUF+2, A3

A3 - 7

A3 > 0 ?

A5 ← 8

A7 = 18 ?

A7 - 18

A7 - 2

A7 = 0 ?

A7 ← 18

A7 + 18

A7 = 0 ?

ML SAV

⇒ CPRTN

A7 + 195

[A7]_R ⇒ AS1

CF A14, HEBI

CF A14, SLIN

DEBI

A4 ← -5

A2 ← 0

DEBI2

[A3]_R ← BUF+5, A4

A3 - 130

A3 > 0 ?

A2 + A3

A4 + 7

A4 < 0 ?

A2 * 70

A7 = 0 ?

AS1

A5 + 4 - A2

BZHE

A3 ← 4

BZHE2

A7 ← A5

A5 ← 4

A7 ← IFF

A7 - 1A

A7 < 0 ?

A7 + 7

BZHE7

A7 + 13A

[A7]_R ⇒ BUF+2, A3

A3 - 7

A3 > 0 ?

A4 ← 120

A5 ← 7

RSLT1

[A4]_R ⇒ BUF+2

RSLT2

A7 ← 6

CF SL:OUT

HIDB CA3

HEBI

A3 ← 4

HEBZ2

[A7]_R ← BUF-7, A3

A7 - 130

A7 < 0 ?

A7 - 177

A7 > 0 ?

A7 - 5

A7 > 0 ?

A7 + 1E

HEBZ7

DRL, 4

A3 - 7

A3 > 0 ?

A3 < 0 ?

RTN A14

SLIN

A5 ← 5

A7 ← 1

SL:OUT

A5 ⇒ 4, A8

LKM, 7

A7 ← CAB

A7 > 0 ?

A7 > 0 ?

RTN A74