

WG1: MOVE.L TPPI, A5

~~WG1: MOVE YTRACE, D1~~

~~NG1: CMP #2, D1~~

~~BCS HI21A~~ → arrêt sur btept
~~BEQ HI21D~~ → cas step ou fin

~~CMP #5, D1~~

~~BEQ HI21G~~ → cas step source

~~MOVE.L YRETS, D0~~
~~LEA TMFOR, A0~~

~~CMP #3, D1~~

~~BNE HI21E~~

MOVE.L YRETS, D0
CMP.L TMFOR, D0

→ fin de fin
↓ fin de proc ?

~~HI21G: MOVE.L~~

~~HI21G: CMP.L #TK, A5~~
~~BCS HI21F~~
~~CMP.L TDHAUT, A5~~
~~BHI HI21F~~
~~BRA HI21D~~

localise AS

~~HI21E: MOVE.L YRETL, D0~~

~~CMP.L TMFOR, D0~~
~~BGE HI21F~~

~~CMP.L (A0), D0~~

~~BGT HI21D~~

~~HI21F: MOVE.L TDEBAS, A5~~
~~BRA WINSTRS~~

~~HI21E: CMP.L (A0), D0~~

~~BGE HI21F~~

~~HI21D: BSR LOCALS~~

~~HI21H: BSR XESAV~~

~~HI10: BSR XCLRT1~~

~~[HI12] LEA HH80, A0~~

~~BSR XPTET~~

~~BSR Y10L~~

~~BSR WGINIT~~

BSR XESAVH

localise A5 epère } TPI
 } TPL

savegarde l'écran

vide l'écran

} "debug"

sort dix lignes

new <A>ret

LEA HH81, A0

[HI13] BSR XN15

HI14: BSR VDKEY

BSR XKEY

LEA SKBP, A5

← DIR CURSACT

btept

~~MOVE.L TDEBAS, TPPI~~
~~MOVE.L TPL, TPPL~~

~~LEA TDEBAS, A0~~
~~MOVE.L TDEBAS, (SP)~~
~~(A0)+, (A0)~~

~~MOVE.L TVALAG, A6~~

~~ST YTRACE~~

~~LEA PB961, A5~~

~~BSR WSPBAS~~

~~MOVE.L (SP), TDEBAS~~

~~MOVE.L A6, TVALAG~~

~~LEA TDEBAS+4, A0~~

~~MOVE.L (A0), -(A0)~~

(inhibe btept)

7

```

HI10: MOVE #2, RESOL
RESOL1 = HI10 + 2

```

```

BSR SETCED
BSR XCLR
LEA GEX85, A2
BSR DAMGN
BSR Y10L

```

} dernier de debug
 } 10 lignes

~~HIDECH~~

SHOWEM

```

CLR -(SP)
MOVE #87, -(SP)
TRAP #14
ADDQ #4, SP

```

⊗ Smear made off (TT)

```

BSR XCLR
BSR XCLRT1

```

```

LEA TDEBAS, A0
MOVE.L (A0)+, (A0)
MOVE.L TVALAG, A6
ST YTRACE

```

inhibe breakpoint

```

LEA PB961, A5
BSR WSPBAS

```

} B_debug

```

MOVE.L A6, TVALAG
LEA TDEBAS+4, A0
MOVE.L (A0), -(A0)

```

```

BSR WGINIT
BSR HIDECH
HI14: BSR VDKEY
BSR XKEY1
LEA SKBP.L, A5
LEA YECRA, A1

```

}
 }
 }
 }
 }

MOVE.L D0,D1
SWAP D1
CMP #1,D1

F21 ≡ @

X BCC ~~HI27~~ GEX10
CMP.L #214, D0
BCC HI27

CMP #215, D0
BEQ GEX10
BEQ HI220 → CLR
→ err

X CMP #200, D0
BCS GEX90
TST.B D0

F1 ≡ CR

BEQ HI24
CMP.B #7, D0
BCC GEX88
ADD #40, D0
X BRA GEX91

→ "A" a "F"
= F2 a F7

GEX88: BEQ HI33
CMP.B #10, D0
BCC GEX89
ADD #42, D0
X BRA GEX91

→ F8 ≡ "H"

J K
F9 F6

GEX85: BEQ HI240
CMP.B #19, D0
BEQ HI40
SUB #9, D0
X BRA GEX91

F11 ≡ Space
→ F20 ≡ L

{ CMP.B #20, D0
BEQ GEX40 } F21 ≡ @

↓ 2 a 9 ≡ F12 a F19

GEX90: CMP #100, D0
X BCS GEX91
CMP.B #12, D0 CLR
BEQ HI220
CMP.B #13, D0 CR
X BNE HI27 → err

7

GEX91: CMP.B #12, D0

BCS HI22

CMP.B #19, D0

BMI HI22

Cas 1-9 et 0

SUB.B #14, D0

GEYK: MOVE.L TPI, A0 met btept = A0

HI15: SUBQ.B #1, D0

BMI HI20

BSR SUIA0

BEQ HI27 → erreur

BRA HI15

HI20: BSR YBKP met le btept A0

HI21: BSR XEREM remet l'écran

~~MOVE.L TVALA6, A6~~

BRA HI21F → retour

HIK

GEY10: BEQ GEY14

→ bouton gauche
↓ bouton droit

TST (A1)

BNE HI27 → erreur si écran

CLR D6

MOVE.B D0, D6 y = D6

BSR WDCUR ①134 la ligne D6 commence par n ≡ ?

BNE HI27 → non
oui

SUB.L TPL, D0

~~BGT~~

GEY12 ← BEQ HI33

→ (H) si 1ère ligne

HI27R : BRA HI27

GEY14 : TST (A1)

bouton gauche

BNE HI27R → erreur si écran

LEA TD000, A1

MOVE TCURSC, D1 ^{-TD000(A1)}

ADDQ #1, D1 80 ou 40

MOVE D0, D2

EXT D0 y

MULU D0, D1

ASR #8, D2

ADD D2, D1

⊗ SP GEY15 : LEA (A1, D1.W), A0

utiliser aussi par help

GEY15A : LEA TYP CAR, A2 ← MOVEQ #0, D2 ⊗

GEY16 : CMP.L A1, A0

BLT GEY17

MOVE.B ~~(A0), D2~~

~~BTST #0, (A2, D2.W)~~

~~BNE GEY16~~

TST
MOVE.B (A2, D2.W)
BMI GEY16
BTST #1, (A2, D2.W)
BNE GEY16

GEY17 : ADDQ #1, A0

CMP.B #32, (A0)

BEQ GEY17

BSR PONT

CMP.L A1, A0

BGE ~~HI27R~~

HI17

→ cliquage plus bas que la cursive

```

MOVE.B (A0), D2
BTST #6, (A2, D2.W)
BEQ HI14

```

→ non admissible

```

LEA TBUF, A3 ← MOVE.L TBUF, A5
MOVEQ #31, D0

```

```

GEY18: MOVE.B D2, (A3)+
GEY19: MOVE.B (A0)+, D2

```

```

BTST.B (A2, D2.W)

```

```

DBPT DO, GEY18

```

```

CLR.B (A3)+

```

```

BSR YTP

```

```

MOVEM.L (SP)+, A3/A5 ← LEA 1(A3), A5

```

```

MOVE.B #FLTYP, D0 ← FLTYP = * - 1
BMI HI14

```

```

CMP.B #13, D0

```

```

BCS GEY21

```

```

CMP.B #16, D0

```

```

BCS HI14

```

```

CMP.B #50, D0

```

```

BCS GEY21

```

```

CMP.B #52, D0

```

```

BCS HI14

```

```

CMP.B #71, D0

```

```

BCS GEY27

```

```

CMP.B #74, D0

```

```

BCS HI14

```

```

CMP.B #75, D0

```

```

BEQ HI14

```

↓

{ SUBQ #1, A0
 MOVEM.L A3/A5, -(SP) / MOVEQ #1000, D0

GEY23: CMP.L A1, A0
 BGT GEY30
 MOVE.B (A0)+, (A3)+
 BRA GEY23 DBRA, 1
 CLR.B (A3)+

GEY29: MOVE.B (A0)+, (A3)+
 DBPT L A1, A0
 DBGT DO, GEY29
 CLR.B (A3)+
 MOVE.L TVALA6, A6

écrire le type met FLTYP

→ non imprimable

ok

→ non imprimable (comade 13, 14, 15)

ok

→ non imprimable (labels ordinaires \$50, \$51)

ok

→ \$71, \$72, \$73 (then/af /value de main)

→ \$75 (xor...)

↓ \$76

x

~~GEY21: MOVE.L TVALAG, A6~~

GEY21: CMP.B #"", (A0)

BNE GEY26

MOVEQ #0, D3

nb de par

GEY23: ~~CMP.L A1, A0~~
~~BGT HI14~~

MOVE.B (A0)+, D0 ← BEQ HI14 ⊗

MOVE.B D0, (A3)+

ADDQ #1, D3

CMP.B #"", D0

BEQ GEY23

SUBQ #1, D3

CMP.B #24, D0

BNE GEY25

GEY24: MOVE.B (A0)+, D0 ← BEQ HI14

MOVE.B D0, (A3)+

~~CMP.L A1, A0~~

~~BGT HI14~~

CMP.B #34, D0

BNE GEY24

GEY25: CMP.B #")", D0

BNE GEY23

SUBQ #1, D3

BNE GEY23

CLR.B (A3)

GEY26: ~~MOVE.L TVALAG, A6~~ BSR PB962

MOVE.L A5, A0 ← BSR WGINIT

BSR X15

MOVEQ #"=", D0

BSR X12B

MOVE #140, D7

{ moveq #0, d7 ⊗
BSR GEB74 ← ⊕166

BSR MA28

execute print

MOVE.L A6, TVALAG BSR MA512

BRA HI14

GEY27: CMP.B #55, D0

BCC GEY21

GEY28: CMP.B #32, (A0)+

BEQ GEY28

CMP.B #"":", (A0)

BEQ HI14

BRA GEY21

↓ type S2 et S4

debug

GEX85

SSall	CR	1
		2
Arret	A	3
Break	B	4
Breaks	C	5
Return	D	6
Ecran	E	7
Fois	F	8
Cycle	H	9
Run	I/S	10
Nop	K	11
SSstk	SP	12

2
3
.
.
9

loop L

debug

Ecran debug

GEX86:

CLR	CLR
Debug	K

Ecran debug


```

7 HI22: CMP.B #6, D0
    BEQ HI240
HI22: LEA HH70, A0
    BSR RELAD0
    BNE HI27
    LEA YECRA, A1
    JMP (A0)
    CMP.B #6, D0
    BEQ HI220
    CLR

```

```

HI220: TST (A1)
    BEQ HI27 ← BSR HIDECLR
    BSR XCLR ← BSR XESAV
    BRA HI14

```

```

D HI23: MOVE.L TMPROCA, YRETC
    MOVE #3, TRACE
    BRA HI21

```

```

CR HI24: MOVE #2, YTRACE
    BRA HI21
    step

```

```

Space HI240: MOVE #5, YTRACE
    BRA HI21
    step source

```

```

A HI25: BRA HD289

```

```

B 16k pt HI26: TST (A1)
    BNE HI27
    BSR YRBP
    BNE HI20

```

```

HI27: BRA HH190
    err

```

```

E plusicms
  bkpts HI28: TST (A1)
    BNE HI27
    BSR YRBP
    BEQ HI27
    BSR YBKP
    HI29: BSR YRBP
    BEQ HI28
    BSR YBKP
    BRA HI29

```

7

E net écran

```

HI31: ST (A1)
      BSR  XEREM ← remet écran
      BRA  HI14
  
```

F fois s'arrête sur un bkpt au bout de n fois

```

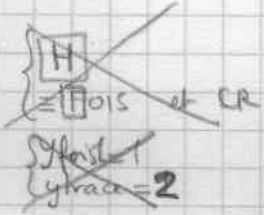
HI32: TST (A1)
      BNE  HI27
MOVE #1, YFOIS1 ← CLR TFRUN
      LEA  HH82, A0
      BSR  3BE10
      TST.L DO
      BEQ  HI27
      MOVE.L DO, YFOIS ← BLE HI27
      BSR  YRBP ← demande bkpt
      BNE HI34
  
```

H

cas bkpt dans TPI, A0

```

HI33: MOVE.L TPI, A0
      CLR.L (A0)
      HI33A: MOVE #1, YFOIS1
      BRA HI24 HI20
      A0 (A0)+
      HI34: MOVE.L DO, YBKPA
      BRA HI20
  
```



H fois = 1 bkpt = idem

```

HI33: MOVE.L TPI, A0
HI34: BRA HI20 met bkpt
  
```

I

```

HI36: MOVE #1, YTRACE CLR TFRUN YTRACE
      BRA HI21
  
```

L

```

HI40: MOVE #4, YTRACE
      MOVE.L TFOR, YRET ← TMRFOR
      BRA HI21
  
```

@ écrit la valeur de l'argument @R

après HI32

```
GEA40: TST (A1)
      BNE HI27 ← BSR X9
      LEA GEA41, A0
      BSR 3BE10
```

"numéro de l'argument"
→ Do.L

après JCHAKG

```
MOVEM.L TPIPROCA, A3
      LEA GEA41, A0
      MOVE -(A3), D4
      BEQ GEA45
      MOVE -(A3), D0
      EXT.L D0
      BEQ GEA45
```

"pas d'argument"
→ écrire a0
"

```
MOVEM.L D0/D4/A3, -(SP)
      LEA GEA42, A0
      BSR 13BE10
      MOVE.L D0, D3
      MOVEM.L (SP)+, D0/D4/A3
      TST.L D3
      BNE GEA46
```

"numéro de l'argument"
→ D0

```
GEA44: BSR PINTAE
      LEA GEA43, A0
```

"arguments"

```
GEA45: BSR X15N
      BRA HI14
```

```
GEA46: EMPL.L D3, D0
      BLT GEA44
      SUB.L D3, D0
      BSR PB840
      MOVE D0, D3
      BRA GEA48
```

{ A3 = début
D0 L = longueur

```
GEA47: MOVE.B (A3), D0
      BSR XR1
```

(sans motif)

```
GEA48: DBRA D3, GEA47
      BRA HI14
```