

5

vdi [#k,] -- x,y relative à origin

A3  
0  
-1

```
YVDI: MOVEQ #0, D6 ) ⊗
GAJ11: BSR DECTMNP
```

BEQ VDI appel brut

```
BSR DECCRDF < 16 ⊗
```

```
BNE GAJ12
```

```
BSR WINDEXAV ⊗ [#k,]
```

```
MOVE D3, -(SP)
```

```
BSR WINDEXAV [n,] ⊗ op code = d3
```

```
BRA GAJ14
```

```
GAJ12: BSR WINDEXAV ⊗ op code = d3
```

```
VDIB: MOVE UAES, -(SP)
```



vdir coord relative pme ptein:

```
YVDIR: MOVEQ #-1, D6
BRA GAJ11
```

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ndi n, ...

111, 1

```

YVIN: BSR
VDIB: MOVE UAES, D0
VDIBA: MOVE D0, -(SP)

```

pas fait

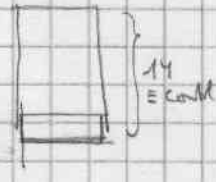
```

VDIB: MOVE UAES, -(SP)
GRJ4: MOVE D3, D2
      MOVE D3, -(SP)
      BPL MD86
      NEG (SP)
      MOVEQ #11, D2

```

graph handle count[6]

count[5] (si < 0)



```

MD86: SUBQ #8, SP
      MOVE D2, -(SP)

```

count[0]

```

      CMP #40, D3
      BLT MD88
      SUB #100, D3
      BCS ERRAE
      ADD #40, D3

```

```

MD88: ADD #40, D3
      CMP #82, D3
      BCS ERRAE
      LEA TVDI, A0
      MOVE.B(A0, D3.W), D3
      BMI MD89
      MOVE D3, D2
      LSR #4, D2
      MOVEQ #SF, D0
      AND D0, D2
      AND D0, D3
      BRA MD90

```

d2 = nb de ptes / 2      count[1]  
d3 = nb de intin        count[3]

```

MD89: CLR D2
      EXT D3
      MOVEQ #-1, D4
      SUB D3, D4
      BEQ ERRAE
      MOVEQ #37, D3
      CMP #5, D4
      BEQ MD90
      BSR WVGK

```



count[0]	d2	d3
111	0	37

count[0]	d2	d3
5	n	0
3		

count[0]	d2	d3
30	0	n
112		
10	2	n

```

MD90: EXG D2, D3
      SUBQ #2, D4
      BMI MD90
      MOVE D2, D3
      MOVE D4, D2

```

MD90

```

      MOVEQ #1, D3
      BSR DECTMNP
      BEQ MD890
      BSR WINDEXAV n0
      B

```

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MD90: LEA 2(SP), A2

```

MOVE D2, (A2)+      control [1]
CLR  (A2)+          2
MOVE D3, (A2)+      [3]
CLR  (A2)+          [4]

```

~~ADD D2, D2~~ ⊗

```

MOVE D3, D5
MOVE.L SP, A1

```

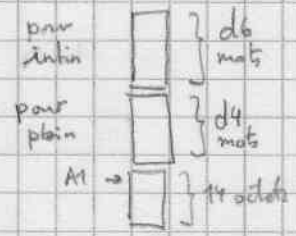
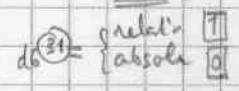
```

MOVEQ #0, D4
MOVEQ #0, D6 ← ⊗ CLR D6
BRA MD902

```

lire au plus de 2 ptin  
d4 = nb de ptin lues  
d6 = ni de inhi lues  
A1 = control[0] sur pile

ptin :



```

MD900: BSR DECRV DECTMN
BNE BEQ MD91A → fin
BSR WINDEXAV ← addq #1, d4
MOVE D3, -(SP)
MD902: DBRA D2, MD900 ← MOVEQ #0, D6
BRA MD906

```

```

MD904: BSR DECTMNP
BEQ MD91A → fin
BSR WINDEXAV
MOVE D3, -(SP)
ADDQ #1, D6

```

```

MD906: DBRA D5, MD904
CMP #8, (A1) → oui
BEQ MD908
CMP #16, (A1) → oui
BEQ MD908
CMP #11, (A1) → na
BNE MD910
CMP #10, (A2) → oui
BNE MD910

```

BSR PDECTMNP  
BEQ MD91A  
cas chaîne ?

```

MD900: BSR DECTMNP
BEQ MD91A
BSR WINDEXAV
TST.L D6
BPL GAJ32
ADD ORIGINX, D3

```

```

GAJ32: MOVE D3, -(SP)
BSR DECTMNP
BEQ MD91A
BSR WINDEXAV (d4=1)
TST.L D6
BPL GAJ33
ADD ORIGINY, D3

```

```

GAJ33: MOVE D3, -(SP)
MD902: DBRA D2, MD900
MOVEQ #0, D6
BRA MD906

```

```

MD908: MOVE.L VDIPB+4, D3
MOVE.M L D3/D4/D6/A1, -(SP)
ADD D6, D6
EXT.L D6
ADD.L D6, D3

```

inhi

```

CLR D2
MOVEQ #1, D1
BSR MF22

```

```

MOVE.L D3, -(SP)
BSR WCHAIN
MOVE.L (SP)+, A1
BSR ANDL #7F MOVEQ #7F, D0
AND D0, D3

```

décode chaîne et l'écrit dans intin

```

MOVE.L A1, D0
SUB.L (SP)+, D0
ASR #1, D0
SUBQ #1, D0

```

nouveau control [3]

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```
MOVEM.L (SP)+, D4/D6/A1
```

```
MD910: MOVE D0, 6(A1)
        BSR DECTMNP
        BNE ERRAE
```

contr [3]

```
MD91A: LEA VDIPB+8, A2
```

met vraiment les tableaux

```
MOVE.L (A2), A0
```

ptsin

```
MOVE.L A1/SP, -(SP)
```

```
BRA MD912
```

```
MD911: MOVE -(A1), (A0)+
```

```
MD912: DBRA D4, MD911
```

```
MOVE.L -(A2), A0
```

intin

```
BRA MD914
```

```
MD913: MOVE -(A1), (A0)+
```

```
MD914: DBRA D6, MD913
```

```
MOVE.L -(A2), A0
```

contr

```
MOVE.L (SP)+, (A0)+
```

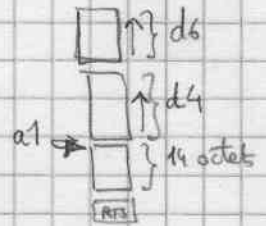
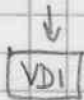
← MOVE.L (SP)+, SP

```
MOVE.L (SP)+, (A0)+
```

```
MOVE.L (SP)+, (A0)+
```

```
MOVE (SP)+, (A0)+
```

```
BSR DECTMNP
BNE ERRAE
```



VDI: MOVEM.L AS/AG, -(SP)

MOVE.L #VDIPB, D1

MOVEQ #\$73, D0

TRAP #2

MOVEM.L (SP)+, AS/AG

WD85: RTS

5

111c

appel VDI DS direct

~~VDIC1: MOVE #1, INTIN~~

OVDIC: MOVE L A0/AS, -(SP)

⊙

LEA MD94, AS

BSR VDI B

MOVE L (SP)+, A0/AS

RTS

MD94: D.W 0

5

Appel VDI n° d3  
Pour la static vho

11c1

```
VDIC: MOVEM.L A0/A5, -(SP)
LEA MD94, A5
MOVE UAES0, D0
BSR VDIBA
MOVEM.L (SP)+, A0/A5
RTS
```

VDI

1	0, 11	71
2	0, 0	77
3	0, 0	83
4	0, 0	84
5	0, 0, 1	
6	0, 0	90
7	0, 0	92
8	1, 0	94
9	0, 0	96
10	2, 0	98
11	2, 0, 1	106
	4, 2, 2	108
	4, 2, 3	111
	3, 0, 4	114
	2, 0, 5	121
	2, 2, 6	116
	2, 2, 7	118
	2, 0, 8	123
	2, 0, 9	125
	2, 0, 10	125

$n \geq 2$   
 $n \geq 1$   
 $n \geq 1$   
 $n \geq 3$

□

□

12	1, 0	150
13	0, 1	154
14	0, 4	132
15	0, 1	136
16	1, 0	140
17	0, 1	134
18	0, 1	144
19	1, 0	146
20	0, 1	148
21	0, 1	156
22	0, 1	158
23	0, 1	165
24	0, 1	167
25	0, 1	169
26	0, 2	228
28	1, 0	189 et 192
29	0, 1	195 et 197
30	0, 1, 0	199 et 200
31	1, 2	202 et 204
32	0, 1	128
33	0, 2	187
35	0, 0	230
36	1, 0, 0	232
37	0, 0	233
38	0, 0	235
39	0, 2	162

⊗

100	0, 11	78 et 296
101	0, 0	82
102	0, 1	223
103	1, 1	101
104	0, 1	171
105	1, 0	185
106	0, 1	160
107	0, 1	152
108	0, 2	142
109	4, 1	177
110	0, 0	183
111	0, 37	207
112	0, 16n	173
113	0, 1	138
114	2, 0	103
115	0, 1	242
116	0, 0	237
117	0, 1	240
118	0, 0	209
119	0, 1	85
120	0, 1	87
121	4, 3	180
122	0, 1	211
123	0, 0	213
124	0, 0	214
125	0, 0	216
126	0, 0	217
127	0, 0	219
128	0, 0	221
129	2, 1	88
130	0, 1	X
131	0, 0	X

⊗

⊗

⊗



