

5 AES control

[0]	[1]	[2]	[3]	[4]=0	[0]	[1]	[2]	[3]	
10	0	1	0	294	77	0	5	0	295
11	2	1	1	340	78	1	1	1	410
12	0	1	1	341	79	0	5	0	412
13	2	1	1		80	0	1	1	
14	1	1	1		81	0	1	1	
15	1	1	1		82				
16					83				
17					90	0	2	2	
18					91				
19	0	1	0		99				
20	0	1	0	331	100	5	1	0	309
21	3	5	0	332	101	5	1	0	311
22	3	5	0	334	102	1	1	0	312
23	0	1	0	337	103	1	1	0	313
24	2	1	0	336	104	2	5	0	302
25	16	7	1	338	105	6	1	0	314
26	2	1	0		106	2	1	0	317
27					107	1	1	0	318
28					108	6	5	0	320
29					109				
30	1	1	1	387	110	0	1	1	370
31	2	1	1	388	111	0	1	0	371
32	2	1	1	389	112	2	1	0	372
33	2	1	1	391	113	2	1	1	374
34	1	1	2	393	114	1	1	1	
35	1	1	1	394	115				
36					116				
37					117				
38					118				
39					119				
40	2	1	1		120	0	1	2	
41	1	1	1		121	3	1	2	
42	6	1	1	359	122	1	1	1	
43	4	1	1	361	123	1	1	1	
44	1	3	1	362	124	0	1	1	
45	2	1	1		125	0	1	2	
46	4	2	1	363					
47	8	1	1	365					
48									
49									
50	1	1	1	375					
51	9	1	1	376					
52	1	1	1	381					
53	1	1	0	383					
54	0	5	1	378					
55									
56									
57									
58									
59									
60	4	3	0	396					
61	8	3	0	398					
62	6	1	0	400					
63	8	1	0	402					
64	8	1	0	404					
65	4	1	1	406					
66	3	1	1	408					

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04

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10	4	0	1	0
1	1A	2	1	1
2	11			
3	6	0	1	1
4	1A			
5	12	1	1	1
6	18	2	1	0
7	4	0	1	0
8	0			
9	4			

20	4			
1	26			
2	30			
3	6			
4	18	2	1	0
5	44			
6	18	2	1	0
7	0			
8	0			
9	0			

30	12			
1	1A			
2	4			
3	11			
4	14	1	1	2
5	12			
6	10	1	1	0
40	1A			
1	12			
2	34			
3	28			
4	16	1	3	1
5	1A			
6	2A			
7	3C			
8				
9				

50	12			
1	62	1	1	1
2	12	1	1	0
3	10			
4	E	0	5	1
5	24	3	3	1
6	16	2	2	1
7				
8				
9				
70	2C			
1	3E			
2	32			
3	3A			
4	3A			
5	28			
6	20			
7	C	0	5	0
8	12			
9	C			

appl_record
\$24 \$14
\$01 1

appl_exit

11
 10

menu_register
 9

✓ jusqu'à 49

19
 form_keybd
 form_button

gh 273 68
gh 273 62

80	6			
1	6			
2	4	0	1	0
90	A			
1	46	0	2	2
100	2E			
1	2E			
2	10			
3	10			
4	1E			
5	32			
6	18			
7	10			
8	36			
9	0			

110	6			
1	4			
2	18			
3	1A			
4	12			
120	8	0	1	2
1	22			
2	12			
3	12			
4	6			
5	8			
6	8	0	1	2
7	2	0	0	2
8	0			
9	0			
130	38	6	6	0
1	40	9	1	0

code	α	β	γ
2	1	1	
1A	2	2	1
1C	2	5	0
1E	3	1	1
20	3	1	2
22	3	3	1
24	3	5	0
26	4	1	1
28	4	2	1
2A	4	3	0
2C	5	1	0
2E	5	5	0
30	6	1	0
32	6	1	1
34	6	5	0
36	6	6	0
38	8	1	0
3A	8	1	1
3C	8	3	0
3E	9	1	0
40	9	1	1
42	10	7	1
44	10	0	2
46	10	2	3

nomms
 01
 F2

d4 d3 d1 d2

Wind_new

shel_envrn
 A1
 A0

36
 49

code	α	β	γ
2	0	0	2
4	0	0	1
6	0	0	1
8	0	0	2
A	0	0	5
C	0	0	5
E	0	1	1
10	2	1	1
2	4	1	1
4	6	1	2
6	8	1	1

⑤ appel AES 28 direct

AESC = MOVEM.L A0/AS, -(SP)

LEA MD94, AS

BSR AESB

MOVEM.L (SP)+, A0/AS

RTS

```

YAES: BSR CUVA
      BSR DECTMNP
      BEQ AES → brut
      BSR WINDEX
AESB: CLR -(SP)
      MOVE D3, D4

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```

SUB #10, D3
CMP #16, D3
BCC ERRAE
LEA TTAES, A2

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MOVE.B (A2, D3.W), D3
BEQ ERRAE
MOVE D3, D1
MOVEQ #7, D0
AND D0, D1
ASR #3, D3
EXT.L D3

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DIYU #10, D3
MOVE D3, D2
SWAP D3
CMP D0, D3
BNE MD95
MOVEQ #16, D3

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MD95: MOVE D2, -(SP)
      MOVE D1, -(SP)
      MOVE D3, -(SP)
      MOVE D4, -(SP)
      MOVE.L SP, A1

```

$D3 = 8(\alpha + 10\gamma) + \beta$

$\alpha = \text{control}[1] \in [0, 9], 16$

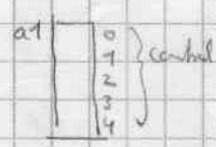
$\beta = \text{control}[2] \in [0, 7]$

$\gamma = \text{control}[3] \in [0, 2]$

→ $\alpha=7$ donne le cas particulier: $\beta=16$ est mis si $\beta=7$ (AES25)

$25 \quad 8F = 7 + 8(10 + 7)$

$\begin{matrix} \alpha & \beta & \gamma \\ 7 & 7 & 1 \end{matrix}$



~~10~~ ⊗

$d1 = \beta$

$d2 = \gamma$

$d3 = \alpha$



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MOVE D3,D4
MOVEQ #0,D5
MOVEQ #0,D6
BRA MD952

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line d4 aintin au plus en fait : d6

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MD950: BSR DECCRV
      BNE MD958
      BSR WINDEX
      MOVE D8,-(SP)
      ADDQ #1,D6
MD952: DBRA D4,MD950
      BRA MD956

```

line d2 addrin au plus en fait : d5

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MD954: BSR DECCRV
      BNE MD958
      BSR WADR
      MOVE.L D3,-(SP)
      ADDQ #1,D5
MD956: DBRA D2,MD954

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```

MD958: BSR DECTMNP
      BNE ERRAE
      MOVE.L AESP+8,A0
      MOVE.L A1,SP-(SP)
      BRA MD961

```

aintin

⊗

```

MD960: MOVE -(A1),(A0)+
MD961: DBRA D6,MD960

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MOVE.L AESP+16,A0
BRA MD963

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addrin

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MD962: MOVE.L -(A1),(A0)+
MD963: DBRA D5,MD962

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```

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

```

control
 MOVE.L (SP)+,SP ⊗



AES: TST.B AES OK
BNE ERRAES

AES : MOVE M.L AS/AG, -(SP) ← labance
: MOVE #8, D0 ← move.b #1, niveau 7
MOVE.L #AESP, D1 ← bsr niv 3
TRAP #2
MOVEM.L (SP)+, AS/AG ← labarb
RTS

TAES10: D.W 10, 0, 1, 0, 0
TAES13: D.W 13, 0, 1, 0, 0
TAES17: D.W 17, 0, 5, 0, 0

ERRAES: MOVEQ #86, D0
TRAP #15

erreur appel aei avec une ^{date} résolution *différente*
de celle du *plus* celle du bureau
ante que celle du bureau