① entrée $\{A_0^e\}$ met $\langle A 2^s \rangle$ =>

tel que $\{A_0\} = 2^{-2\alpha}(A+\varepsilon)$

$|\varepsilon| \leq 1/2$

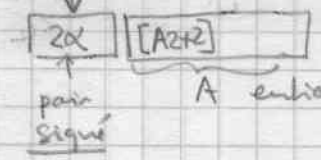
$A \in [2^{-1}, 2^{+2}[$

XFLO : MOVE TPREC1, D3 ψ

↓

XINTE ①p.93

① alors $\begin{cases} D3 \\ \{A0\} = \end{cases}$ mot en $\langle A2^{s} \rangle$



A entier $\in [2^{D3}, 2^{D3+2}[$

tel que $\{A0\} = 2^{-2\alpha}(A+\varepsilon)$, $|\varepsilon| \leq 1/2$

```
XINTE :CMP   #$4000,(A0)
       BEQ   KL73

XINTE :MOVE.L  A0,A2
       BSR     KB255
       EXG     A0,A1
       BSR     XBNB
       ~~MOVE  D1,D2~~
       ~~ADD   D3,D2~~
       EXG     A0,A1
       BSR     XBNB
       ~~MOVE  D3,D2~~
       ~~ADD   D0,D2~~   <- SUBI.L #1,D2 ⊗
       ADDQ    #2,D2        CMP.L #$7FFD,D2
       BSET    #0,D2        BGT ERRRG
       ~~EXG   A0,A1~~      CMP.L #-$8000,D2
       BSR     XROT         BLT ERRRG ⊗
       MOVEM.L D2/A1/A2,-(SP)
       MOVE.L  A2,A0
       BSR     XDIV1
       MOVE.L  A2,A0
       BSR     XARON
       MOVE.L  A2,A0
```

[A0] num
[A1] dén (ou 1)

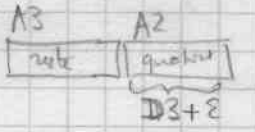
$|p| \in [2^{D1}, 2^{D1+1}[$

$q \in [2^{D0}, 2^{D0+1}[$

$\frac{p}{q} \in [2^{D1-D0-1}, 2^{D1-D0+1}[$

$2^{\underbrace{D3+D0-D1+2+\varepsilon}_{\text{impair} = D2}}$ p

$[A2] = 2^{D2}\, p$



(1)

met le signe

```
KL72:MOVEM.L  (SP)+,D2/A1/A2
     MOVE  (A2),D0
     AND #$8000,D0
     OR  D0,(A0)
     SUBQ #1,D2
     MOVE  D2,(A2)+        exposant
     MOVE.L  A2,A6
     BSR  XPOSE
     SUBQ  #2,A2
     RTS

KL73:MOVE.L  A6,A2
     MOVE.L  #$4000,(A6)+   [0][$4000]
     RTS
```