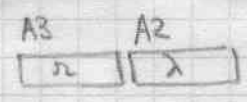


① $\begin{cases} \{A0\} = p \\ \{A1\} = q \end{cases}$

$|p| = \lambda |q| + r$
 $p \equiv r \pmod{|q|}$

où $\lambda \in \mathbb{Z}$
 $0 \leq r < |q|$



```
XDIVMS: CLR.B   FDIV
XDIVMS: MOVEM.L A0/A1, -(SP)
```

FDIV: R.B 0 $\begin{cases} 0 & p = \lambda q + r \\ 1 & p = \lambda q - |q| + r \end{cases}$

```
BSR   XDIVM2
MOVEM.L (SP)+, A0/A1 ← (BCLR #7, (A2))
BTST  #7, (A1)         ← (BCLR #7, (A3))
BEQ   KB75
CHGS                                     change le signe de A2 = λ
```

```
KB75: BTST #7, (A0)
BEQ   KB75
CHGS                                     change le signe de λ
```

```
CMP  #$4000, (A3)
BEQ  KB75
```

si $r \neq 0$
remplace par $|q| - r$

```
MOVEM.L A2/A3, -(SP) ← ST FDIV ⊗
MOVE.L  A1, A0
```

λ
r

```
BSR   XPOSE XABS
BCLR #7, (A2)      |q|
MOVE.L A2, A0
MOVE.L 4(SP), A1
BSR   XSUBSQ          |q| - r
```

```
MOVE.L (SP)+, A0      2
BRA   KB74, ...
```