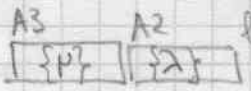
① $|[A0]| = \frac{a}{b}$ $|[A1]| = \frac{c}{d}$

$\frac{a}{b} = \lambda \frac{c}{d} + \mu$ $\quad ad' = \lambda bc + \mu bd'$

$b = b'p$ $\quad d = d'p$ $\quad p = pgcd(b,d)$

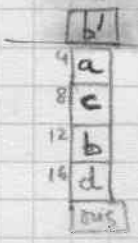
Pere

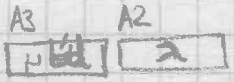



```
XDIVM2: LEA   TCONST1,A2
        MOVE.L A2,A3
XDIVM2: BTST  #5,(A0)
        BNE   KB71
        BTST  #5,(A1)
        BEQ   XDIV1


        BRA   KB72
KB71 :  BSR   SLNH0
        MOVE.L A0,A2
        ADD   D0,A2
        BTST  #5,(A1)
        BEQ   KB73
KB72 :  BSR   SLNH1
        MOVE.L A1,A3
        ADD   D1,A3
KB73 :  MOVEM.L A0-A3/A6,-(SP)
        MOVE.L A2,A0
        MOVE.L A3,A1
        BSR   SIMF
        MOVE.L A0,-(SP)
        MOVE.L 4(SP),A0      a
        BSR   XMUL1          ad'
        MOVE.L (SP),A0       b'
        MOVE.L 8(SP),A1      c
        MOVE.L A2,-(SP)
        BSR   XMUL1          cb'
        MOVE.L A2,A1
        MOVE.L (SP)+,A0      ad'
        BSR   XDIV1
        MOVE.L (SP)+,A0      b'
        MOVE.L 12(SP),A1     d
```

$a = |[A0]|$ $\quad c = |[A1]|$
$b = |[A2]|$ $\quad d = |[A3]|$

(4)

```
        MOVEM.L   A2/A3,-(SP)
        BSR       XMUL1                 b'd
        MOVE.L    4(SP),A0              μb'd
        MOVE.L    A2,A1                 b'd
        BSR       XDIVS2
        MOVE.L    (SP)+,A0              λ
        ADDQ      #20,SP
KB74:   MOVE.L    A2,A1                 μ
        BSR       XPOSE                 recopie λ

        MOVE.L    (SP),A6               ous
        MOVE.L    A2,A5                 λ
        MOVE.L    A1,A0                 μ
        BSR       XPOSE

        MOVE.L    A5,A0
        BSR       XPOSE
        MOVE.L    (SP)+,A3
KB75:   RTS
```