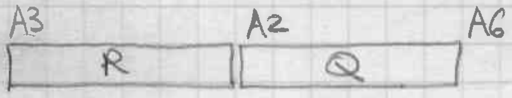
⑩ 80

MK10

Entrée $\mathcal{P}_{A_0} = A(x)$, $\mathcal{P}_{A_1} = B(x)$ $\}$ ~~[illegible]~~ $\in \mathbb{Q}[x]$ (unilittéral)

Sortie

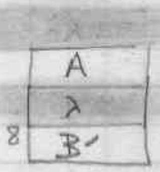


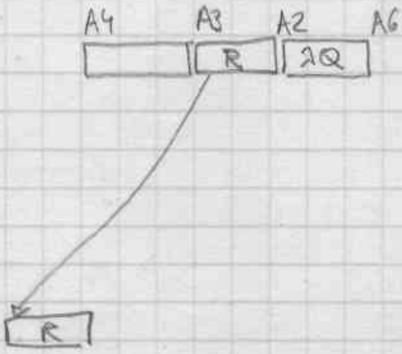
$A = BQ + R(x)$ deg R < deg B

```
XJPDIV :TST.L  (A1)+
x           BNE    MK10
            Cas    B(x)=Cte
            [illegible]
            [illegible]
            [illegible]
            ~~BRA   XPSP0~~
            MOVE.L  A6,-(SP)
            BSR    XPSP0          ) R=0
            BSR    XDCTE          Q=P_A0/{A1}
            MOVE.L  (SP)+,A3
            RTS
MMK10 :ADDQ #4,A1
       MOVEM.L  A0/A1/A6,-(SP)
            LEA   -8(A1),A0       B
            [illegible]
            [illegible]
            BSR    XDCTE          B' = x^m+...
            MOVE.L  A2,A1         B'
            MOVE.L  [illegible]   A
            MOVE.L  (A1),D0       x
            BSR    XPSDIV
            ~~MOVE.L  A6,A5~~
            ~~MOVE.L  A2,A6~~
            ~~MOVE.L  A3,A2~~
            ~~MOVE.L  12(SP),A0~~
            ~~BSR    XLB76~~
            ~~MOVE.L  A5,A6~~
            ~~MOVE.L~~
```

normalise $B = \lambda B'$

$B' = x^m + \dots$





⑩

~~MOVE.L A2,A0 λQ~~
~~MOVE.L (SP)+,A1 {λ}~~
~~BSR XDCTE Q~~
~~ADDQ #4,~~

```
MOVE.L   (SP)+,A1        {λ}
MOVEM.L  A2/A3,-(SP)
MOVE.L   A2,A0
BSR      XDCTE           Q
MOVE.L   A6,A5
MOVE.L   A2,A4
MOVE.L   (SP)+,A6     ] R
MOVE.L   (SP)+,A2     ]
MOVE.L   (SP)+,A0
MOVE.L   A0,A3
BSR      XLB76           copie R
MOVE.L   A4,A2
MOVE.L   A5,A6
MOVE.L   A0,A1
BSR      XLB76           copie Q
MOVE.L   A1,A2
RTS
```