(5)

$\text{divn}(P, Q[,v]) = S$

$\text{modn}(P, Q[,v]) = R$

$\text{divd}_{\text{modd}}(P, Q[v]) = B^{\alpha}$

$P = \frac{SQ+R}{B^{\alpha}}$ $\quad \deg_v R < \deg_v Q$

$Q = Bv^n + \dots$

$\deg_v(P) = m$ $\quad \alpha = \begin{cases} m-n+1 \\ 0 \end{cases}$

```
YDIVN: BSR   MFDIV
MFS7:  BSR   XLB76
       LEA   -2(A4),A2
       BRA   POPNEW
```

La description devient P_{-1} et a été P_0

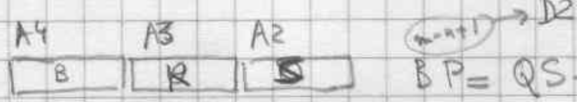
```
YMODN: BSR   MFDIV
       MOVE.L A2,A6
       MOVE.L A3,A2
       BRA   MFS7

YDIVD: BSR   MFDIV
       MOVE.L A3,A6
       MOVEM.L A0/A4/A5,-(SP)
       MOVE  D2,D1
       BSR   XEXPP          met P_A2 = P_A0 ** D1
       MOVEM.L (SP)+,A0/A4/A5
       BRA   MFS7
```

(5) décode poly [,v] → Po

(P_2 P_{-1} est aussi un poly)

```
MFDIV: BSR     WPOLY
       BSR     WVGV
       MOVE    D2,-(SP)      v
       BSR     XIPOL
       MOVE    (SP)+,D0      v
       MOVE.L  A5,-(SP)
       BSR     XPSDIV
       MOVE.L  (SP)+,A5
       MOVE.L  A4,A0
       RTS
```



BP = QS + R