(2) met en libre le coef de v^{α} de $\mathcal{P}$

D0 D1 — A0

conserve A0 [voir ~~XCOEFP~~ qui conserve plus]

```
XCOEF1: MOVE.L   A6,A2 <- MOVEM.L  A0/A6,-(SP)
        MOVE     (A0)+,D2
        MOVEQ    #-1,D6
        SUBQ     #1,D2  <- MOVE  D2,D4
        MOVE     D2,(A2)+
        BMI      KD52
KD50:   MOVE     (A0)+,D3
        CMP      D3,D0
        BNE      KD51
        MOVE     D2,D6
        DBRA     D2,KD50
        BRA      KD52
KD51:   BSET     #15,D3
        MOVE     D3,(A2)+
        DBRA     D2,KD50
KD52:   TST      D6
        BPL      KD55
        MOVEM.L  (SP)+,A0/A2
```

v absent

```
        TST      D1
        BEQ      XPSAP
```

$\alpha=0$ mettre $\mathcal{P}$ en entier

```
        BRA      XPSP0
```

$\alpha \neq 0$ $\mathcal{P}=0$

pas de m

```
KD55:   MOVE.L   A2,-(SP)
        ADDQ     #2,A2
        MOVE     (A0)+,D5
```

~~D6 = nb~~ de variable sur la liste

D5 = nb de mon - 1 de $\mathcal{P}$

D1 = exposant

D4 nb de mon - 1 de coef

```
        MOVE.L   A2,A6
        NEG      D6
        ADD      D4,D6
        ADD      D6,D6
        MOVEQ    #-1,D4
```

{ ADDQ #1,D4 ; ADD D4,D4 ; MOVE D4,-(SP) } (A0,D6.W) pointe exp de v

```
KD57:   CMP      (A0,D6.W),D1
        BEQ      KD59
```

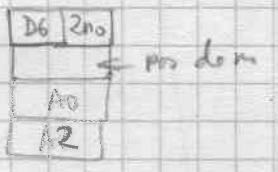
boucle sur les D5+1 mon

avance A0

```
        ADD      (SP),A0
        BSR      SLNGO
        ADD      D0,A0
        DBRA     D5,KD57
        BRA      KD62
```

copie les exposants

```
KD59 :ADDQ  #1,D4
      MOVE.L 10(SP),A1
      MOVE   (A1)+,D2
      SUBQ   #1,D2
      MOVE   D6,-(SP)
      ADDQ   #2,D6
KD60 : SUBQ  #2,D6
      BEQ    KD610
      MOVE   (A0),(A6)+
      BEQ    KD61
      BCLR   #7,(A1)
KD61 :ADDQ   #2,A1
KD610:ADDQ   #2,A0
      DBRA   D2,KD60
      BSR    XPOSE
      MOVE.L A4,A0
      MOVE   (SP)+,D6
      DBRA   D5,KD57
KD62 : TST   D4
      BPL    KD64
```



saute

met le coef num

copie KD62

cas polynome nul

```
      ADDQ   #6,SP
      MOVEM.L (SP)+,A0/A6
      BRA    XPSP0
KD64 :ADDQ   #2,SP
      MOVE.L (SP)+,A3
      MOVE   D4,(A3)+
      MOVE.L 4(SP),A2
      MOVE.L A6,A4
      MOVE   (A2)+,D2
      CLR    D3
KD69 :SUBQ   #1,D2
      BMI    KD74
      MOVE   (A5)+,(A2)+
      BPL    KD69
      MOVE   D2,(A4)+
      ADDQ   #1,D3
      SUBQ   #2,A2
      BRA    KD69
```

nb de mon - 1

← MOVE.L A2,A5

← MOVE.L A2,A5

```
KD74 : MOVE.L  (SP)+, A0 ←      MOVE  D4,D6  nb de mon-1
       BRA     KC75
```

```
XCOEFP : MOVEM  D0/D1, -(SP)
         MOVE.L A1, -(SP)   ⊗
         BSR    XCOEF1
         MOVE.L (SP)+, A1/A5 ⊗
         MOVEM  (SP)+, D0/D1
         RTS
```

d° conserve A0, A1 A5/A3 ⊗
D0, D1