(2) Entrée $\mathcal{P}_{A_0}$, $v = D0$, $m = D1$, $\mathcal{L}v = D2$

si $\mathcal{P}_{A_0} = \sum_{i=0}^{n} a_i v^i$

pose $\mathcal{P}_{A_2} = \sum_{i \neq m-1}^{n} \frac{a_i v^{i+1}}{i+1-m} + a_{m-1} \mathcal{L}v \, v^{m-1}$

Corespond à la primitive de $\frac{\mathcal{P}_{A_0}}{v^m}$

Conserve D0/D1/D2/A0

si $\mathcal{L}v$ a été utilisé D2.L est négatif

si $\mathcal{L}v$ est inutilisé D2.L est positif

répète XDVP

```
XNTG1:EXT.L  D2
      MOVEM.L  D0/D1/D2/A0/A6,-(SP)
      BSR   XPSP0          pour zero

      MOVE.L   (SP)+,D0
      ADDQ  #2,SP
      BSR   XDEG           D5 = degré de P_A0 en v
      MOVE  D5,D1          boucle sur i
KH65: BSR   XCOEFP         coef de v^i = a_i
      MOVE.L   A2,A5
      MOVE  D1,D2
      ADDQ  #1,D2          i+1

      MOVE.L   A6,A1
      MOVE  #1,(A6)+
      MOVE  D0,(A6)+
      CLR   (A6)+
      MOVE  D2,(A6)+
      MOVE.L   A6,A2
      MOVE  #$4001,(A6)+
X     SUB   (SP),D2        i+1-m
      MOVEM D0/D1,-(SP)
      BEQ   KH70
      BPL   KH67
      NEG   D2
      BSET  #7,(A2)
```

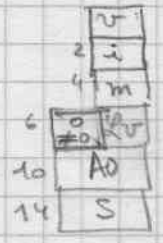
met

1	v	0	i+1	$4001

met $\frac{1}{i+1-m}$

```
KH67:BSET #5,(A2)        ← MOVE D2,D0 ⊗      ou $E0D1 / $6001
     BSR  XPOSED0
     MOVE.L  A5,A0       coef a_i
KH68:BSR  XMULP
     MOVE.L  A2,A1
     MOVE.L  14(SP),A0 ⊗
     BSR  XADDP
     BSR  XLB76
     MOVE.L  10(SP),A0 ⊗
     MOVEM  (SP)+,D0/D1
     DBRA  D1,KH65
     MOVE  (SP)+,D1
     MOVEM.L  (SP)+,D2/A0/A2
     RTS
KH70:MOVE.L  A5,A0
     BSR  XMULP
     MOVE  8(SP),2(A1)
     MOVE  #1,6(A1)
     MOVE.L  A2,A0
     ST  6(SP)
     BRA  KH68
```

$\frac{a_i v^{i+1}}{i+1-m}$ ou $a_m \mathcal{L}_v v^m$



cas $i = m-1$

$a_i v^m$

A1

$= \mathcal{L}_v$