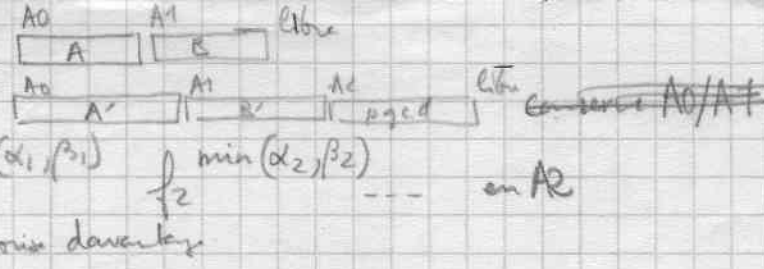


$$\text{Var } A_0 = a \cdot f_1^{\alpha_1} \cdot f_2^{\alpha_2}$$

$$\text{Var } A_1 = b \cdot f_1^{\beta_1} \cdot f_2^{\beta_2}$$



"pgcd" = $f_1^{\min(\alpha_1, \beta_1)} \cdot f_2^{\min(\alpha_2, \beta_2)}$ en A2
 XPGCDF: BSR XREDP factorin davanke

XPGDF: MOVEM.L A0/A1/A2, -(SP)

MOVE XPCF
 MOVE.L A0/A1/A2, -(SP)
 PER VPCF
 MOVE A0/A1/A2, -(SP)
 MOVE.L A0/A1/A2, -(SP)
 MOVE.L A0/A1/A2, -(SP)
 MOVE.L A0/A1/A2, -(SP)
 MOVE.L A0/A1/A2, -(SP)

XPGDF1: MOVEM.L A0/A1/A2, -(SP)

```

MOVE.L #4001, (A6)+ } etc
MOVE (A0)+, D0
BSR SLNG01
ADD D1, A0
MOVE (A1)+, D2
BSR SLNG1
ADD D1, A1
SUBQ #1, D0 ← BTI errla
SUBQ #1, D2 ← BMI errla
MOVEQ #1, D3

```

KE
 KE40: ADDQ #1, D3

```

MOVE.L D1, (A6)+
SUBQ.L #2, D1 ← MOVE.L A0, A3
MOVE.L A6, A0
ADD.L D1, A6 BSR LB76H
VERAG
BSR LB76

```

```

MOVE D4, (A6)+
MOVE.L A3, A0

```

KF42: TST D0
BGT KF44

TST D2
BLE KF47

* met facteur de var, seul? → fin

KF43: MOVE.L (A1)+, D1
MOVE.L A1, A2
ADD.L D1, A1
SUBQ #1, D2
MOVE -2(A1), D4
BPL KF42
BRA KF40

→ non $\beta > 0$

KF44: TST D2
BGT KF46

met facteur de var, seul?

KF45: MOVE.L (A0)+, D1
MOVE.L A0, A2
ADD.L D1, A0
SUBQ #1, D0
MOVE -2(A0), D4
BPL KF42
BRA KF40

oui $\alpha > 0$ non
non $\alpha < 0$

~~KF46: ADDQ #4, A0
ADDQ #4, A1~~

KF46: BSR XCMPP
SUBQ #4, A0
SUBQ #4, A1

BCS KF43 $A_0 > A_1$

BNE KF45

MOVE.L (A0)+, D1

ADDQ #4, A1

MOVE.L A0, A2

ADD.L D1, A0

ADD.L D1, A1

SUBQ #1, D0

SUBQ #1, D2

MOVE -2(A0), D4

CMP -2(A1), D4

BLE KF40

MOVE -2(A1), D4

BRA KF40

$D4 = \min(\alpha, \beta)$

2

```
KF47: MOVE.L 8(SP)+, A0  
      MOVE D3, (A0)  
      MOVE.L A6, D1  
      SUB.L A2, D1  
      BSR LB76  
      MOVE.L A0, A6
```

```
KF47: MOVEM.L (SP)+, A0-A2  
      MOVE D3, (A2)  
      RTS
```