

② entrée  $P_{A_0} = a_n x^n + \dots + a_0 = Q \in \mathbb{Z}[x_1, \dots, x_n][x]$

$D_0 = x$

sortie: pose  $P_{A_2} = \text{cont}(Q) = \text{pgcd}(a_n, a_{n-1}, \dots, a_0)$

conservé  $A_0/D_0/D_6$

$D_5 = \text{deg}_x(P_{A_0}) = n$

XCONT: BSR XCFLST

liste des coef ordanie par laieur croissante

MOVEM.L D0/D5/D6/A0/A2/A6, -(SP)

MOVE.L (A2), A2

MOVE.L A2, -(SP)

BSR XPSPO

pose pgcd = 0

KI80: MOVE.L (SP)+, A1

boucle

MOVE.L (A1)+, D0

BMI KI82

-> fin

MOVE.L -8(A1), -(SP)

MOVE.L A2, A0

BSR XGCD

BSR XLB76

MOVE.L ~~26~~(SP), A2

BRA KI80

KI82: MOVE.L ~~16~~(SP), A0

BSR XLB76

MOVEM.L (SP)+, ~~D5/D6/A0/A2/A3~~  
bider

RTS

|               |
|---------------|
| prits         |
| <del>X</del>  |
| <del>m</del>  |
| <del>D6</del> |
| Q             |
| Liste         |
| pgcd          |