

(5)

elim (P, Q, x)

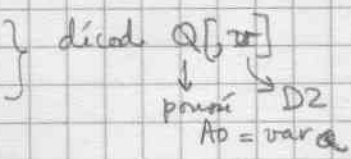
éliminer x entre les polynômes P et Q
[Calcul la résultante] défaut x = poly1(Q)

$$P = a_0x^n + \dots + a_n$$

$$Q = b_0x^m + \dots + a_m$$

YELIM: MOVE TVARN, -(SP)

BSR WPOLY
BSR WVGW [v]



MOVE D2, -(SP)

MOVE D2, D0

ADDQ #2, A0

BSR XDEG DS = m

MOVE DS, -(SP)

TST DS

BEQ MH20 → (-1)

MOVEM 2(SP), D0/D4 (P) BSR PACK

BSR LB95C

ADDQ #2, A0

BSR XDEG DS = n

TST DS

BEQ MH20 → (-1)

MOVE DS, D2 DS = n

ADD (SP), D2 D2 = m+n

MOVEM D2/DS, -(SP)

BSR XELIM

MOVE 8(SP), D4 (Q)

ADDQ #1, D4

BSR LB95C

ADDQ #2, A0

MOVEM (SP)+, D2/D3/D5/D6

MOVE D6, D0

MOVE D2, -(SP)

BSR XELIM

MOVE 2(SP), D0

BSR POPD0

MOVEM (SP)+, D0/D1 efface (P)

EXG D0, D1 MOVE (SP)+, D1

SUBQ #1, D1 MOVE.L AS, -(SP)

BSR XDET MOVE.L (SP)+, AS

MH20: ADDQ #6, SP RTS

BSR POPN
BSR POPN
BRA PUSHNM (-1)

