

1 Entrée  $x = \langle A0 \rangle$ Pose en libe  $\langle A2 \rangle = A \sin R(x)$ 

XFFASH:LEA XFFASH1,A3

GAP64:MOVE.L (A0),-(SP)

MOVE.L A0, -(SP)

BCLR #7, 2(A0)

JSR (A3)

MOVE.L (SP)+, A0

MOVE (SP)+, (A0)+

MOVE (SP)+, (A0)+

BPL GAP39

ADDQ #2, A2

CHGS

SUBQ #2, A2

GAP39:RTS

calcul fonction impaire: (A3) calculé  
pour  $x \geq 0$

Entrée  $x = \langle A0 \rangle \geq 0$   
Sortie  $\langle A2 \rangle = \text{Asinh}(x)$

XFFASH1: MOVE.L A6, -(SP)

XFFHYP: BSR XFFHYP

compare  $x$  et  $\frac{1}{16}$

x BMI GAP66

$x < \frac{1}{16}$

MOVE.L A0, -(SP)

BSR XFLMULQ

$x^2$

MOVE.L A2, -(SP)

BSR XPOSF1

1

MOVE.L (SP)+, A0

MOVE.L A2, A1

BSR XFLADD

$1+x^2$

MOVE.L A2, A0

BSR XFFSQR

$\sqrt{1+x^2}$

MOVE.L (SP)+, A0

MOVE.L A2, A1

BSR XFLADD

$x + \sqrt{1+x^2}$

MOVE.L A2, A0

BSR XFFLOG

$\log(x + \sqrt{1+x^2})$

BRA KL860 ⊗

GAP66: BSR XFLSQ1

$\{A2\} = x + \sqrt{1+x^2}$

MOVE.L A2, A0

BSR XALOG

$\log(x + \sqrt{1+x^2})$

BRA KM29 ⊕129 → unfloat et met en libre