

Entrée FP0, D3.W

Calculer $FP0^{(D3.W)} \rightarrow FP0$

démarré FP1-2 / D3

CPFACT: MOVEQ #0, D0

FMOVE.L D0, FPSR

FMOVECR #32, FP1 $R=1$

FMOVE FP1, FP2

TST D3

BEQ 13 \rightarrow fin

BMI 14

② 12: FMUL FP0, FP1 $R=R * x$ FSUB FP2, FP0 $x=x-1$

SUBQ #1, D3

BNE 12

13: FMOVE FP1, FP0

FMOVE FPSR, D0

AND #F0, D0

RTS

14: NEG D3

FADD.W D3, FP0 $x = x + |k|$ BSR 12 calcul $(x + |k|) \dots (x+1)$

FMOVE FP2, FP1

FDIV FP0, FP1 inverse \rightarrow FP1

BRA 13