

Entrée $FP_0 + iFP_1$, $D_3.W$
 calculé $(FP_0 + iFP_1)^{(D_3.W)}$

démit FP_2-7 / D_3

```
CPXFACT: MOVEQ #0, D0
          FMOVE.L D0, FPSR
          FMOVE   FP0, FP6 } x
          FMOVE   FP1, FP7 }
          FMOVECR #32, FP0 } R
          FMOVECR #F, FP1 }
          FMOVE   FP0, FP5 } 1
          TST    D3
          BEQ    B3 → fin
          BMI    B4
```

```
(SP) B3: FMOVE   FP6, FP2 } x
          FMOVE   FP7, FP3 }
          BSR    CPC MUL1 (30) 75 R = R * x
          FSUB   FP5, FP6      x = x - 1
          SUBQ   #1, D3
          BNE    B1
          B3: FMOVE.L FPSR, D0
          AND    #F0, D0
          RTS
          B4: NEG   D3          |k|
          FADD.W D3, FP6      x = x + |k|
          BSR    B1          calculé  $x^{(k)}$ 
          BRA    CPC INV1     inverse  $x^{(k)}$  (30) 76
```