

Calcule  $FPO + i FP1 = \frac{(FPO + i FP1)^{D3.L}}{z}$  D3.L signé

ok EQ vrai  
 err NE vrai  
 Do<sup>S</sup> = status

déduit FP2-7 / ~~D0/D1~~  
 conserve le rest

```
CPXPWR: MOVEQ #0, Do
        FMOVE.L Do, FPSR
        MOVE.L D3, D1 FP2
        FMOVE.L #1, D1 FP2
```

```
BPL V1
BSR CPCINV      FP0 + i FP1 = 1/z
NEG.L D1
```

```
V1: FMOVE FP0, FP6
     FMOVE FP1, FP7
     FMOVECR #32, FP0
     FMOVECR #F, FP1
     } Z = FP6 + i FP7 = z
     } Y = FP0 + i FP1 = 1
```

```
V2: LSR.L #1, D1
     BCC V5
     FMOVE FP6, FP2
     FMOVE FP7, FP3
     ) z
     BSR CPCMUL1      Y = Y * Z
```

```
V5: TST.L D1
     BEQ V6
     BSR CPCMULQ
     BRA V2
```

→ fin  
 calcule  $Z^2 = \frac{a^2 - b^2}{6 \cdot 7} + 2iab$

```
V6: FMOVE.L FPSR, Do
     AND #F0, Do
     RTS
```