

D.L \$65100 ADE

CMP D6, DS

BNE.S V10

FMOVE FP6, FP0 x

FMOVE FP7, FP1 y

V10: FMOVECR # \$32, FP2 1

FSCALE FP2, FP1 2xy

FSCALE FP2, FP0 2x

FCMP FP2, FP1 2y-1

FBLT V12 → y < 0,5

FSUB FP2, FP1 ↓ y ≥ 0,5

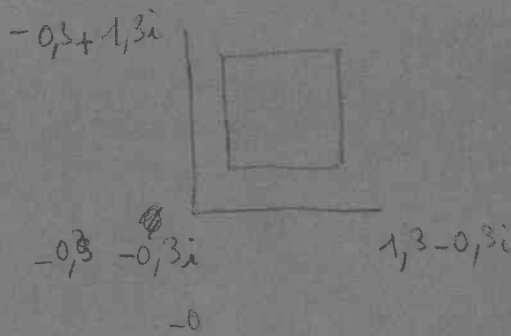
RTS 2x-1

V12: FCMP FP2, FP0 → x < 0,5

FBLT V14 ↓ x ≥ 0,5

FSUB FP2, FP0

V14: RTS



S2

cvzf (peek (\$12EBB2, S2))

Julia  $F(z) = z^2 + c$

CMP D6, D5

BNE.S V1

FMOVE FP6, FP0 a

FMOVE FP7, FP1 b

V1: FMOVE FP0, FP2 a

FMUL FP1, FP2 ab

FMUL FP0, FP0 a<sup>2</sup>

FMUL FP1, FP1 b<sup>2</sup>

FSCALE.W #1, FP2 2ab

FSUB FP1, FP0 a<sup>2</sup> - b<sup>2</sup>

FMOVE FP2, FP1 2ab

FADD.D V2(PC), FP0

FADD.D V3(PC), FP1

RTS

V2: D.L 0, 0

Re(c)

V3: D.L 0, 0

Im(c)