

Entrée: <Ao> (floatant) α A

$$f = 2^{-\alpha} A$$

Si: TPREC ≤ 43 et f ∈ met FO = f EQ Do.W = 0

Sinon: - → NE Do.W ≠ 0

détruit Do-DS
conserve le reste

X

CPCV I: CMP #43, TPREC

BGT V14 → err

MOVE.L Ao, -(SP)

MOVE (Ao)+, D0 exposant α

V10: MOVE (Ao)+, D1 ⊗ signe / long

MOVE D1, D2

AND #5FFF, D2

BCLR #14, D2

BEQ V20

50
111

X

FMOVE.W D2, FPO cas A court
← EXT.L D0

V11: TST D1

BPL V2

FNEG.X FPO

V12: NEG.L D0

FSCALE.L D0, FPO

MOVE.L (SP)+, Ao

FMOVE.L FPSR, D0

AND #7C00, D0

RTS

V14: MOVEQ #1, D0

RTS

y a-t-il eu: OVFL (bit 12) ? (testé aussi)
UNFL (bit 11) : (SNAN etc...)

EQ : ok
NE : err

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120: MOVEQ #0, D4
120: EXT.L D0
120: SUBQ #8, D2
    BGT 140
    JMP ((122.W, PC, D2.W*2),)

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- 122: D.L 132 2
- 123: D.L 134 4
- 124: D.L 136 6
- 125: D.L 138 8

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132: MOVEQ #0, D4
132: MOVE (A0)+, D4
133: FMOVE.L D4, FPO
    BRA 111

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len(A) = 2

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134: MOVE.L (A0)+, D4
    BPL 133

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len(A) = 4

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135: MOVEM.L D3/D4, -(SP)
    MOVE.L #03E0000, -(SP)
    FMOVE.X (SP)+, FPO

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\$3FFF+63

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135: SUP #135, D0
    BRA 111

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136: MOVEQ #0, D3
    MOVE (A0)+, D3
    MOVE.L (A0)+, D4
    BRA 135

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len(A) = 6

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138: MOVEM.L (A0)+, D3/D4
    BRA 135

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140: BFFFO (A0), 0, 0, D5
    BFEXTU (A0), D5, 0, D3
    ADDQ #4, A0
    BFEXTU (A0), D5, 0, D4

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arradir ?

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ADDQ #4, A0
BFTST (A0), D5, 1
BEQ 142
ADDQ.L #1, D4
BNE 142
ADDQ.L #1, D3
BNE 142
MOVE.L #80000000, D3
SUBQ.L #1, D5

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teste o bit seguinte

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142: EXT.L D2
    ASL.L #3, D2
    SUBQ #1, D5
    SUB.L D5, D2
    SUB.L D2, D0
    BRA 135

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142: