

① pose $\langle A2 \rangle = \text{sqrt}(\langle A0 \rangle)$

$$x = \frac{[A]}{2^{k+\epsilon}}$$

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XFFSQR: BTST #7, 2(A0)
         BNE  ERRRT          → erreur racine
         MOVE.L A6, -(SP)
         MOVE (A0)+, D0      2k+ε
         MOVE #1, D1
         ADDQ #1, D2
         BCLR #0, D2         D2 = 2θ
         MOVE D2, D3
         ASR #1, D0          k
         BCC KMS8           → ε = 0
         SUBQ #1, D2

```

$$\sqrt{\frac{2^{20+\epsilon}}{2^{k+\epsilon}} [A]}$$

$$x = \frac{2^{20+\epsilon} [A]}{2^{k+\epsilon}}$$

$$\sqrt{x} = \frac{\sqrt{2^{20-\epsilon} A}}{2^{k+\epsilon}}$$

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KMS8: ASR #1, D3      θ      D2 = 2θ - ε
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```
ADD D3, D0           D0 = k + θ
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```
MOVE D0, -(SP)
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M ADDQ #2, D2
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BSR XROT             pose [A2] = 2^{20-ε+2} [A]
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```
MOVE.L A2, A0
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BSR SQRTRF          2 √[A] 2^{20-ε}
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MOVE.L A2, A0
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BSR XARON           cint(√[A] 2^{20-ε})
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MOVE (SP)+, -(A2)
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BRA KL860
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