

cas base 16

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DECN16: MOVEQ #0, D6
        MOVE.L A0, -(SP)
        BSR XPOSEZ      praz 0
        BSR NEXTAS
        SUBQ #1, A5

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1: MOVEQ #0, d2 $k \in [0, 8]$ nb de chiffres
 MOVEQ #0, d3 $d4 \in [0, 16^8)$ v

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12: BSR DECCH          chiffre
    BEQ 13             → non
    ADDQ #1, d2
    ASL.L #4, d3
    ADD.B d0, d3
    CMP #7, d2
    BLE 12

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13: TST D2
    BEQ 14             → fin
    ADD D2, D6
    MOVEM.L D3/D6/A2/A5, -(SP)
    ASL #2, D2         4k
    MOVE.L A2, A0      n
    BSR XROT            $2^{4k} n = 16^k n$ 

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MOVE.L A2, A0
MOVE.L (SP)+, d0      v
BSR XPOSEL
MOVE.L A2, A1        v
BSR XADD1             $16^k n + v$ 


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BSR SLNH0
LEA -4(A0, D0.W), A0
MOVE.L (SP)+, D0
OR.L D0, (A0)
BRA 131
130: BSR XPOSEL

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← (CMP #4000, (A2))
← BEQ 130

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131: MOVEM.L (SP)+, D6/A0/A5
    BSR XEFFECT
    BRA 11

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14: MOVE.L (SP)+, A0
    TST D6
    RTS

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