

```

XFF EXP: MOVE TPREC, D0
        CMP  TPRECL, D0
        BLE  KM30
    
```

→ log2 continu

```

KM290: MOVE.L A6, -(SP)
        BSR  XUNFL
    
```

→ 8/9

```

        MOVE.L A2, A0
        BSR  XAEXP
KM29: MOVE.L A2, A0
        BSR  XFLo
        BRA  KL860
    
```

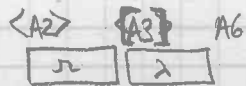
```

KM30: MOVE.L A0, A1
    
```

```

        MOVE #4, D4
        BSR  LB95C
        ADDQ #2, A0
        EXG  A0, A1
        BSR  XFLDVQ
        MOVE.L A2, A0
        MOVE.L A3, A6
        MOVE (A3)+, D0
        ANDL #0FFFF, D0
        BCLR #14, D0
        BNE  KM301
        CMP  #2, D0
        BNE  KM300
        MOVE (A3)+, D0
        BRA  KM301
    
```

log(2)~



$$x = \lambda \log 2 + r$$

$$r \in [0, \log 2[$$

→ count

→

D0 = g = grand > 0

```

KM300: SWAP D0
    
```

```

KM301: TST (A6)
        BPL  KM302
        NEG.L D0
    
```

```

KM302: CMPL #0FFFF, D0
    
```

```

        BGE  KM303
        <del>#0FFFF</del> : e^x = 0
    
```

```

        MOVE.L (A2), A6
        BRA  KL73
    
```

not <A2> = 0~

```

KM303: MOVE D0, A3
      CMP.L D0, A3
      BNE ERRRG

```

→ λ trop grand

```

      MOVEM.L D0, (SP)

```

```

      MOVE TPREC, D0

```

calcul de e^r

```

      CMP #43, D0

```

```

      BLE KM305

```

→ calcul par polynome
 ↓ calcul par serie

```

      BSR KM290

```

<A2> = e^r

```

KM304: MOVE.L (SP)+, D0

```

λ

```

      SUB D0, (A2)

```

<A2> = 2^λ e^r

```

      BVS ERRRG

```

```

      BRA KL860

```

```

KM305: CMP #4000, 2(A0)

```

```

      BEQ KM306

```

→ si r=0 met 1

```

      LEA DFEXP, A1

```

dans du polynome

```

      BSR FTPOL

```

<A2> = e^r

```

      BRA KM304

```

```

KM306: BSR XPOSF1

```

met 1

```

      BRA KM304

```