

① Entrée d0.L numéro du jour julien = N

début d0 à d6 → 271

$$y' \approx -4711 + \left\lfloor \frac{N}{365,25} \right\rfloor$$

soit D0.W y
 D1.W m
 D2.W j
 D4.L N
 D6.L ~~10247088~~ → 0
 $\in [0,6] \equiv N \pmod{7}$

ou $D1 \leq 0$ erreur de

calculer y' et vérifier y' (D.W)

```
XTIMEB: MOVE.L D0, D4
        ADD.L #10247088, D0
        CMP.L #23936048, D0
        BHI KM76
        ASL.L #2, D0
        DIVU #1461, D0
```

→ erreur

$$\rightarrow u = \left\lfloor \frac{N + 10247088}{365,25} \right\rfloor$$

```
SUB #32765, D0
MOVEQ #10, D3
```

$$\rightarrow y' = u - (2 \times 15 - 2) = -4710 + \left\lfloor \frac{N}{365,25} \right\rfloor$$

on a $y' > y$

diminue $y' = D5$ jusqu'à ce que $N(y', 1, 1) \leq N$

```
KM70: MOVEQ #1, D1
      MOVEQ #1, D2
      SUBQ #1, D5
      BNE KM72
      MOVEQ #-1, D5
```

```
KM72: MOVE D5, D0
      BSR XTIMEA
      CMP.L D0, D4
```

```
DBGE D3, KM70
MOVEQ #12, D3
```

```
KM74: MOVEQ #0, D2
      MOVE D3, D1
      MOVE D5, D0
      BSR XTIMEA
```

```
SUB.L D4, D0
DBLT D3, KM74
```

```
KM75: MOVEQ #0, D2
```

```
KM77: SUB D0, D2
      MOVE D3, D1
      MOVE D5, D0
```

```
KM76: RTS
```

```
MOVE.L #2293177, D1
SUB.L D4, D1
BLT KM75
MOVEQ #16, D2
CMP.L D2, D1
BGT KM75
MOVEQ #10, D2
BRA KM77
```

diminue m jusqu'à ce que $N(y, m, 0) < N$

```
ADDQ.L #3, D6
DIVU #4900, D6
SWAP D6
EXT.L D6
DIVU #7, D6
SWAP D6
```

calcul du jour de la semaine