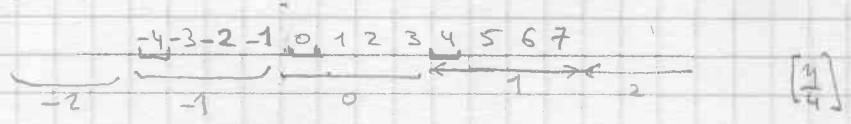


① Entrée: $d_0 \in [2^{-15}, 2^{15}]$ année = y où $0 \equiv 1$
 $d_1 \in [1, 12]$ mois = m
 $d_2 \in [1, 31]$ jour = j

Sort: numéro du jour julien
 $0 \equiv 1/1/4713$ BC



```
XTIMEA: TST Do
        BGT KM60
        ADD #1, Do
KM60: SUBQ #3, D1
        BPL KM62
        ADD #12, D1
        SUBQ #1, Do
```

si $y \leq 0$ $y = y + 1$

met m = 1 et 2 avec l'année précédente

```
KM62: MULU #979, D1
        ADD #15, D1
        ASR #5, D1
```

$$d_1 = \left\lfloor \frac{979 * m' + 15}{2^5} \right\rfloor$$

	m	3	12	1	2	
m	0	1	2	...	10	11
f(m)d1	0	31	61	...	306	387

```
ADD D1, D2
        MOVE Do, D1
        ADD #8000, Do
        MULU #365, Do
        MOVE D1, D2
```

} $f(m) + j$

$$y' = y + 8000 + 365y'$$

```
ASR #2, D1
        ADD D1, D2
        EXT.L D2
        ADD.L D2, Do
```

$\lfloor \frac{y}{4} \rfloor$

$$f(m) + j + 365y + \lfloor \frac{y}{4} \rfloor$$

```
CMP.L #12538374, Do
        BLT KM64
        DIVU #25, D1
        MOVE D1, D2
        ASR #2, D1
        SUB D1, D2
        SUBQ #2, D2
        SUB.L D2, Do
```

(15/10/1582)
 → julien

} correction grégorienne
 $-\lfloor \frac{y}{100} \rfloor + \lfloor \frac{y}{400} \rfloor + 2$

```
KM64: SUB.L #10239203, Do
        RTS
```