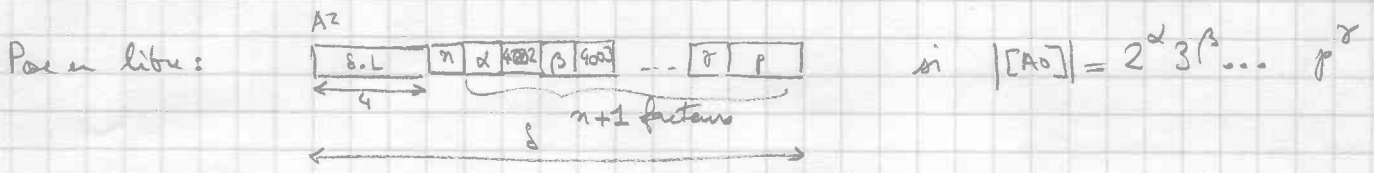


décompose  $R = |A0|$  en facteurs premiers inférieurs à  $|A3| = \max$   
 on arrête après le 1<sup>er</sup> facteur si  $[A3] = 0$ .  
 arrête après le 1<sup>er</sup> facteur si  $[A3] < 0$   $[A3] < 0$



TT\XPF3:FLR TXPF1

détermine diviseur  $2^\alpha$

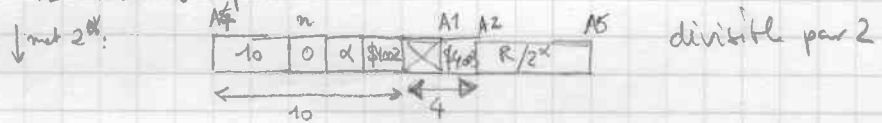
```
BSR SLNHO
LEA (A0,DO.W),A1
MOVEQ #-9,D2
```

```
V10: ADDQ.L #8,D2
MOVE.B -(A1),D0
BEQ V10
```

```
V11: ADDQ.L #1,D2
LSR #1,D0
BCC V11
```

```
TST D2
BEQ V13 → D2 = alpha non divisible par 2
```

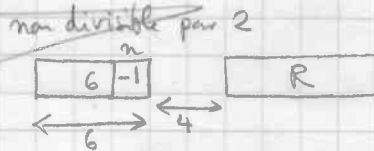
```
MOVE.L AG,A4
MOVEQ #10,D0
MOVE.L D0,(A6)+
MOVE.L D2,(A6)+
```



```
MOVE #4002,(A6)+
ADDQ #2,A6
MOVE #4003,(A6)+
NEG D2
BSR XROT pose R/2^x (11) 91
BRA V16
```

```
CMP #4001,(A2) R/2^x = 1 ?
BEQ KL14 → fin
MOVE (A3),D1
BMI KL12 → arrête après le 1er facteur
CMP #4000,D1
BEQ KL12 → //
```

```
V13: MOVEQ #6,D0
MOVE.L D0,(A6)+
MOVE #-1,(A6)+
ADDQ #4,A6
BSR XPOSE (11) 30
```



```

13: MOVE.L A3, -(SP)
    MOVE.L A6, A5
    MOVEQ #6, D0
    MOVE.L D0, (A6)+
    MOVE #-1, (A6)+
    ADDQ #2, A6
    MOVE.L A6, A1
    MOVE #4003, (A6)+
    BSR XPOSE
    MOVE.L A5, A4
    MOVE.L (SP)+, A3

```



```

16: LEA TDIFPR, A0
18: MOVEQ #0, D0
    MOVE.B (A0)+, D0
    BEQ R0

```

table de différences 5-3, 7-5, 11-7, ...  
 ..., 8191-8179, 0  
 ↑  
 marque de fin

```

    ADD (A1), D0
    MOVE.L A6, A5
    MOVE D0, (A6)+
    MOVE.L A0, -(SP)
    BSR XPF2
    MOVE.L (SP)+, A0
    BEQ 18
    BRA KL12

```

→ fin

```

20: MOVE #8209, D0
    BRA R24

```

répète

```

22: MOVEQ #0, D0
    MOVE.B (A0)+, D0
    BEQ R30
    ADD 2(A1), D0

```

table de différences 8219-8209, 8221-8219, ...  
 ... [2<sup>16</sup>-15] - [2<sup>16</sup>-17], 0  
 ↑  
 arrêt

```

24: MOVE.L A6, A5
    MOVE #2, (A6)+
    MOVE D0, (A6)+
    MOVE.L A0, -(SP)
    BSR XPF2
    MOVE.L (SP)+, A0
    BEQ 22
    BRA KL12

```

→ fin

TINCR: D.W \$4002 ) incrémente  
 D.B 3, -2 ≡ 2<sup>16</sup>-5 mod 3  
 D.B 5, -4 ≡ " mod 5  
 D.B 7, -6 ≡ " mod 7  
 D.B 11, -6 ≡ " mod 11

```

30: LEA TINCR+2, A0
    MOVE.L #3FE05FC, (A0)+
    MOVE.L #7FA0BFA, (A0)+
    BRA KL166

```

[KL12, KL14, KL166 comm. vers le ST]