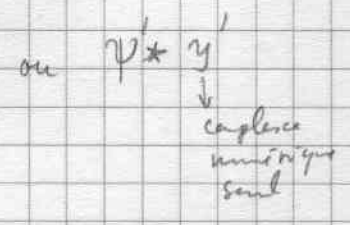
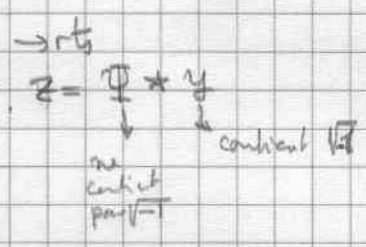


2

```

XRDC3A: MOVE (A0), D1
SUBQ #2, D1
BMI GAN13
BSR XNLITF
MOVE.L A0, -(SP)
MOVE.L A2, -(SP)
BSR XCLITF
MOVE.L A2, A0
MOVE.L A4, -(SP)
MOVE (A2), d1
SUBQ #2, d1
BPL GAN14
MOVE.L (SP)+, A6
MOVE.L (SP)+, A0
RTS

```



```

GAN14: MOVE.L A2, A0
MOVE.L A4, -(SP)

```

⊗

2) autre var $a_0 = 2j$

autre var $a_0 = (A+iB) * \Phi$

proprieté

XRDC1
XRDC1A

→ seulement numériques
→ Φ indep de i

prog test
r16

```

XRDC3A: MOVE (A0), D1
        SUBQ #2, D1
        BMI GAN20
        MOVE.L A0, -(SP)
        ADDQ #2, A0
        BSR SLNGO
        ADD D0, A0
    
```

```

GAN15: MOVE (A0), d1
        SUBQ #2, d1
        BMI GAN20
        MOVE.L A0, -(SP)
    
```

```

GAN16: MOVE.L (A0)+, D0
        MOVE.L A0, A1
        ADD.L D0, A1
        MOVE -2(A1), D2
        BPL GAN18
        MOVE.L 4(SP), A3
        JSR (A3)
    
```

facteur

α

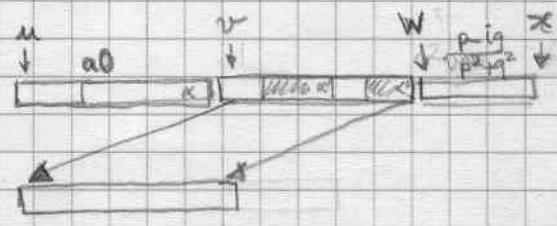
zerdet ou zerdetta

→ ne doit pas être réduit
↓ facteur $(p+iq)^\alpha$ ($\alpha < 0$)

```

GAN18: BNE GAN18
        MOVE D2, -(SP)
        MOVEM.L A0/A1/A6, -(SP)
        BSR XRDC2
        MOVE.L A2, A3
        MOVE.L A6, A4
    
```

$a_0 = u+4$
 $a_1 = v$
 $var_{A2} = \frac{p-iq}{p^2+q^2}$



```

MOVEM.L (SP)+, A0/A2/A6
        BSR XLB 76
        SUBQ #4, A0
        MOVE.L A4, A6
        MOVE.L A3, A0
    
```

$u=a_0$
 $v=a_2$
 $w=a_6$

```

MOVE (SP)+, D1
        NEG D1
        BSR XEXPF
    
```

α

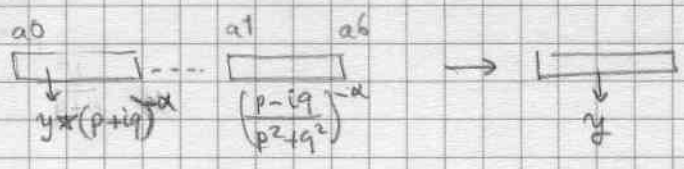
$\left(\frac{p-iq}{p^2+q^2}\right)^{-\alpha} > 0$

```

MOVE.L A2, A1
MOVE.L (SP)+, A0
SUBQ #1, (A0)
    
```

y
) diminue le nb de facteurs

```
BSR XMULF
BRA XRDC3A GAN15 ⊗
```



```
GAN18: MOVE.L A1, A0
DBRA D1, GAN16
MOVE.L (SP), A0
```

```
MOVE.TCMPX, A2
BSR XNLTIT
MOVE.L A2, A1
BSR XDIVFA
MOVE.L A1, -(SP)
MOVE.L A2, A0
BSR XDEVFD
```

BSR XCMISO
(MOVE.L A1, -(SP))

pose Φ
var A2

$y = A * \Phi$
↓
calcul i
sans i

var A2 = A

Φ
A

$\Phi_{A2} = A$ (numérateur développé)

```
MOVE.L A2, A0
BSR XPSAF ⊗
```

var A2 = |A_F

```
MOVE.L A2, A0
BSR KGR6
MOVE.L (SP)+, A1
EXG A0, A1
BSR XMULF
MOVE.L A0, A2
MOVE.L (SP), A0
BSR XLB76
MOVE.L (SP)+, A0
```

remplace $i^2 \rightarrow -1$

Φ BSR XREDR ⊗ ant $x^\alpha y^\beta \dots$

$y_F = A * \Phi$

```
GAN20: ADDQ #4, SP
MOVE.L A0, A1
MOVE.L (SP)+, A0
BSR XMULF
MOVE.L A0, A2
MOVE.L (SP), A0
BSR XLB76
MOVE.L (SP)+, A0
RTS
```

