

```

> restart:

ordre := 6;

## HYPOTHESE DE BRANCHE ET NORMALISATIONS SUPPLEMENTAIRES

rho := 0:

assume(ReF30210,real):
ImF30210 := 0:
#assume(ImF30210,real):
F[3,0,2,1,0] := ReF30210 + I*ImF30210:

assume(ReG30210,real):
ImG30210 := 0:
#assume(ImG30210,real):
G[3,0,2,1,0] := ReG30210 + I*ImG30210:

alpha := 0:
G[4,0,0,2,0] := 0: F[4,0,0,2,0] := 0:

lambda := 1:
G[3,0,0,2,0] := 1: F[3,0,0,2,0] := 1:

## PRENORMALISATIONS TOUJOURS POSSIBLES, QUELS QUE SOIENT LES
BRANCHEMENTS ENSUITE

## ORDRE 6

## 6 STABILISER SPORADIQUES

g[1,0,1] := (8*I)*lambda^2*conjugate(alpha)*conjugate(G[4, 0, 0,
2, 0])+12*lambda^2*conjugate(alpha)^2*conjugate(G[3, 0, 0, 2, 0]
)/conjugate(lambda)-(4*I)*lambda*conjugate(alpha)^2*
alpha/conjugate(lambda)-4*lambda*conjugate(alpha)*alpha*G[3, 0,
0, 2, 0]-2*lambda*conjugate(alpha)*rho/conjugate(lambda):
f[0,0,2] := -conjugate(lambda)*alpha*lambda*G[3, 0, 0, 2, 0]*
conjugate(alpha)+2*conjugate(alpha)^2*lambda^2*conjugate(G[3, 0,
0, 2, 0])+(1/2)*lambda*rho*conjugate(alpha)-(1/4)*conjugate
(lambda)*g[1, 0, 1]:

## 6 FIN RESOLUTION PREVUE AVEC LA SPORADIQUE Eq6[3,0,3,0,0]

g[2,0,1] := (52/3)*conjugate(lambda)*lambda*alpha^2*G[3, 0, 0,
2, 0]^2-(14/3)*lambda*conjugate(alpha)^2*alpha^2/conjugate
(lambda)-(8/3)*f[1, 0, 2]/conjugate(lambda)+4*conjugate(G[3, 0,
1, 2, 0])*lambda^3*conjugate(alpha)^2/conjugate(lambda)-(104/3)*
lambda^2*conjugate(alpha)*conjugate(G[3, 0, 0, 2, 0])*alpha*G[3,
0, 0, 2, 0]+(100/3)*lambda^3*conjugate(alpha)^2*conjugate(G[3,
0, 0, 2, 0])^2/conjugate(lambda)+4*conjugate(lambda)*G[3, 0, 1,
2, 0]*lambda*alpha^2-(8*I)*conjugate(lambda)*G[3, 0, 0, 3, 0]*
alpha^3-(8*I)*f[0, 0, 2]*alpha/conjugate(lambda)+(2/3*I)*alpha*g
[1, 0, 1]+(8*I)*conjugate(G[3, 0, 0, 3, 0])*lambda^3*conjugate

```

```

(alpha)^3/conjugate(lambda)^2-(2*I)*conjugate(G[3, 0, 2, 1, 0])*
lambda^3*conjugate(alpha)+(2*I)*conjugate(lambda)*G[3, 0, 2, 1,
0]*lambda^2*alpha-(2*I)*conjugate(alpha)*alpha*lambda*
rho/conjugate(lambda)-(1/3)*lambda*rho^2/conjugate(lambda)+
(16/3*I)*G[3, 0, 0, 2, 0]*lambda*conjugate(alpha)*alpha^2+(7/3*
I)*lambda^2*conjugate(alpha)*conjugate(g[1, 0, 1])/conjugate
(lambda)^2+(4/3)*lambda*conjugate(f[1, 0, 2])/conjugate(lambda)
^2-8*rho*lambda*alpha*G[3, 0, 0, 2, 0]-(112/3*I)*conjugate(G[3,
0, 0, 2, 0])*lambda^2*conjugate(alpha)^2*alpha/conjugate(lambda)
:

```

6 STABILISER 0 = F[h,i,2,0,I] = G[h,i,2,0,I]

```

g[0,2,1] := lambda*alpha^2/conjugate(lambda)+(6*I)*lambda^2*
alpha*conjugate(G[3, 0, 0, 2, 0])/conjugate(lambda):
g[1,1,1] := 4*lambda*alpha^2*G[3, 0, 0, 2, 0]-28*lambda^2*
conjugate(G[3, 0, 0, 2, 0])*conjugate(alpha)*alpha/conjugate
(lambda)-6*lambda*rho*alpha/conjugate(lambda)+(12*I)*lambda*
conjugate(alpha)*alpha^2/conjugate(lambda)+2*lambda^2*conjugate
(g[1, 0, 1])/conjugate(lambda)^2+12*lambda*conjugate(f[0, 0, 2])
/conjugate(lambda)^2:
g[0,4,0] := 0:
g[1,3,0] := 0:
g[2,2,0] := 0:
g[3,1,0] := (4*I)*alpha^3*lambda/conjugate(lambda):
g[4,0,0] := -(2*I)*lambda^2*conjugate(G[3,0,0,2,0])*conjugate
(alpha)*alpha^2/conjugate(lambda)-(18*I)*lambda*alpha^3*G[3,0,0,
2,0]+8*lambda^2*alpha^2*G[4,0,0,2,0]-I*lambda*rho*
alpha^2/conjugate(lambda)-lambda*conjugate(alpha)*
alpha^3/conjugate(lambda)+(4*I)*lambda^2*conjugate(g[1,0,1])*
alpha/conjugate(lambda)^2+(8*I)*lambda*conjugate(f[0,0,2])*
alpha/conjugate(lambda)^2-4*lambda^2*conjugate(g[0,0,2])
/conjugate(lambda)^2:

```

6 STABILISER 0 = F[h,i,1,0,I] = G[h,i,1,0,I]

```

h[0,0,3] := -(1/2*I)*lambda*alpha*conjugate(alpha*lambda*rho)-
(1/3)*lambda*conjugate(rho^2*lambda)-(13/3*I)*alpha*lambda^2*
conjugate(lambda*alpha^2*G[3,0,0,2,0])+(1/3*I)*G[3,0,0,2,0]*
alpha^2*lambda*conjugate(lambda^2*alpha)+(1/3*I)*lambda^2*
conjugate(alpha*g[1,0,1])+(1/4*I)*lambda^2*alpha*conjugate(g[3,
0,0])+(1/6*I)*alpha*g[1,0,1]*conjugate(lambda)^2-(2/3)*lambda*
alpha^2*conjugate(lambda*alpha^2)+(1/3)*lambda*conjugate(f[1,0,
2])+(1/3)*f[1,0,2]*conjugate(lambda)-(8/3)*G[3,0,0,2,0]*alpha*
lambda^2*conjugate(G[3,0,0,2,0]*alpha*lambda^2)+(4/3)*G[3,0,0,2,
0]^2*lambda*alpha^2*conjugate(lambda)^3+(4/3)*lambda^3*conjugate
(G[3,0,0,2,0]^2*alpha^2*lambda):

```

```

f[0,1,2] := -(5/2*I)*alpha^2*lambda*conjugate(alpha)-(11/2)*
conjugate(lambda)*G[3,0,0,2,0]*alpha^2*lambda+(7/2)*alpha*
lambda^2*conjugate(G[3,0,0,2,0])*conjugate(alpha)-(1/4)*lambda*
alpha*rho+(1/4)*lambda^2*conjugate(g[1,0,1])/conjugate(lambda)+
(1/8)*conjugate(lambda)*g[3,0,0]:
f[0,3,1] := 0:
f[1,2,1] := 0:
f[2,1,1] := -(6*I)*alpha^3*lambda:

```

```

f[3,0,1] := -(14*I)*conjugate(lambda)*lambda*alpha^3*G[3,0,0,2,
0]+(3/2*I)*conjugate(lambda)*alpha*g[3,0,0]+(6*I)*alpha^2*
lambda^2*conjugate(G[3,0,0,2,0])*conjugate(alpha)-I*alpha^2*
lambda*rho+2*lambda^2*conjugate(g[0,0,2])/conjugate(lambda)+6*
alpha^3*lambda*conjugate(alpha):
f[0,5,0] := 0:
f[1,4,0] := 0:
f[2,3,0] := 0:
f[3,2,0] := 0:
f[4,1,0] := 0:
f[5,0,0] := alpha^4*lambda+(2*I)*G[5,0,0,1,0]*lambda^4*alpha:

```

6 STABILISER 0 = F[h,i,0,0,I] = G[h,i,0,0,I]

```

h[0,2,2] := 0:
h[1,1,2] := -(4*I)*alpha^3*lambda*conjugate(lambda):
h[2,0,2] := (9*I)*alpha^2*conjugate(lambda)*lambda^2*conjugate(G
[3,0,0,2,0])*conjugate(alpha)-(25*I)*lambda*alpha^3*G[3,0,0,2,0]
*conjugate(lambda)^2+12*lambda*conjugate(alpha)*conjugate
(lambda)*alpha^3+(3/2*I)*alpha*lambda^2*conjugate(g[1,0,1])-
(7/2*I)*alpha^2*conjugate(lambda)*lambda*rho+(5/4*I)*alpha*
conjugate(lambda)^2*g[3,0,0]+lambda^2*conjugate(g[0,0,2]):
h[0,4,1] := 0:
h[1,3,1] := 0:
h[2,2,1] := 0:
h[3,1,1] := 0:
h[4,0,1] := 5*alpha^4*lambda*conjugate(lambda):
h[0,6,0] := 0:
h[1,5,0] := 0:
h[2,4,0] := 0:
h[3,3,0] := 0:
h[4,2,0] := 0:
h[5,1,0] := 0:
h[6,0,0] := 0:

```

ORDRE 5

5 SPORADIQUES

```

g[2,0,0] := (6*I)*lambda^2*conjugate(alpha)*conjugate(G[3,0,0,2,
0])/conjugate(lambda)-(2*I)*lambda*alpha*G[3,0,0,2,0]-I*lambda*
rho/conjugate(lambda)+3*lambda*conjugate(alpha)*alpha/conjugate
(lambda):
g[0,0,1] := lambda*conjugate(alpha)^2/conjugate(lambda):

```

5 STABILISER 0 = F[h,i,2,0,I] = G[h,i,2,0,I]

```

g[0,1,1] := conjugate(alpha)*lambda*alpha/conjugate(lambda)-
(1/2)*lambda^2*conjugate(g[2,0,0])/conjugate(lambda)^2-(1/2)*g
[2,0,0]:
g[0,3,0] := 0:
g[1,2,0] := 0:
g[2,1,0] := 2*lambda*alpha^2/conjugate(lambda)-5*lambda^2*
conjugate(g[0,0,1])/conjugate(lambda)^2:
g[3,0,0] := (2*I)*lambda*conjugate(alpha)*alpha^2/conjugate
(lambda)+8*G[3,0,0,2,0]*lambda*alpha^2-(6*I)*lambda^2*conjugate

```

$$(g[0,0,1]) \cdot \text{conjugate}(\alpha) / \text{conjugate}(\lambda)^2 - I \cdot g[2,0,0] \cdot \alpha + I \cdot \lambda^2 \cdot \alpha \cdot \text{conjugate}(g[2,0,0]) / \text{conjugate}(\lambda)^2 + 4 \cdot \lambda \cdot \alpha \cdot \rho / \text{conjugate}(\lambda) - 2 \cdot \lambda^2 \cdot \text{conjugate}(g[1,0,1]) / \text{conjugate}(\lambda)^2 - 8 \cdot \text{conjugate}(f[0,0,2]) \cdot \lambda / \text{conjugate}(\lambda)^2:$$

5 STABILISER 0 = F[h,i,1,0,I] = G[h,i,1,0,I]

$$\begin{aligned} f[0,2,1] &:= 0: \\ f[1,1,1] &:= 2 \cdot \lambda \cdot \alpha^2 + \lambda^2 \cdot \text{conjugate}(g[0,0,1]) / \text{conjugate}(\lambda): \\ f[2,0,1] &:= -\lambda \cdot \alpha \cdot \rho - (1/2 \cdot I) \cdot \alpha^2 \cdot \lambda \cdot \text{conjugate}(\alpha) + (4 \cdot I) \cdot \lambda^2 \cdot \text{conjugate}(\alpha) \cdot \text{conjugate}(g[0,0,1]) / \text{conjugate}(\lambda) + (1/2) \cdot \lambda^2 \cdot \text{conjugate}(g[1,0,1]) / \text{conjugate}(\lambda) + (1/4 \cdot I) \cdot \lambda^2 \cdot \alpha \cdot \text{conjugate}(g[2,0,0]) / \text{conjugate}(\lambda) + (5/4 \cdot I) \cdot \text{conjugate}(\lambda) \cdot g[2,0,0] \cdot \alpha + 4 \cdot \lambda \cdot \text{conjugate}(f[0,0,2]) / \text{conjugate}(\lambda): \\ f[0,4,0] &:= 0: \\ f[1,3,0] &:= 0: \\ f[2,2,0] &:= 0: \\ f[3,1,0] &:= 0: \\ f[4,0,0] &:= -I \cdot \alpha^3 \cdot \lambda + (2 \cdot I) \cdot \alpha \cdot \lambda^2 \cdot \text{conjugate}(g[0,0,1]) / \text{conjugate}(\lambda): \end{aligned}$$

5 STABILISER 0 = F[h,i,0,0,I] = G[h,i,0,0,I]

$$\begin{aligned} h[0,1,2] &:= \alpha^2 \cdot \text{conjugate}(\lambda) \cdot \lambda: \\ h[1,0,2] &:= (2 \cdot I) \cdot \lambda^2 \cdot \text{conjugate}(\alpha) \cdot \text{conjugate}(g[0,0,1]) + I \cdot \text{conjugate}(\lambda) \cdot \alpha^2 \cdot \lambda \cdot \text{conjugate}(\alpha) + 2 \cdot \text{conjugate}(f[0,0,2]) \cdot \lambda + (1/2 \cdot I) \cdot \text{conjugate}(\lambda)^2 \cdot g[2,0,0] \cdot \alpha + (1/2 \cdot I) \cdot \lambda^2 \cdot \alpha \cdot \text{conjugate}(g[2,0,0]) + 2 \cdot \lambda \cdot \alpha \cdot \rho \cdot \text{conjugate}(\lambda): \\ h[0,3,1] &:= 0: \\ h[1,2,1] &:= 0: \\ h[2,1,1] &:= 0: \\ h[3,0,1] &:= (4 \cdot I) \cdot \lambda^2 \cdot \text{conjugate}(g[0,0,1]) \cdot \alpha: \\ h[0,5,0] &:= 0: \\ h[1,4,0] &:= 0: \\ h[2,3,0] &:= 0: \\ h[3,2,0] &:= 0: \\ h[4,1,0] &:= 0: \\ h[5,0,0] &:= 0: \end{aligned}$$

ORDRE 4

$$g[1,0,0] := (2 \cdot I) \cdot \lambda \cdot \text{conjugate}(\alpha) / \text{conjugate}(\lambda):$$

$$\begin{aligned} f[1,0,1] &:= -3 \cdot \lambda \cdot \text{conjugate}(\alpha) \cdot \alpha - (1/2 \cdot I) \cdot \text{conjugate}(\lambda) \cdot \alpha \cdot g[1,0,0] + (3/2 \cdot I) \cdot \lambda^2 \cdot \text{conjugate}(\alpha) \cdot \text{conjugate}(g[1,0,0]) / \text{conjugate}(\lambda) - (5/8) \cdot \lambda \cdot g[1,0,0] \cdot \text{conjugate}(g[1,0,0]) - (1/4) \cdot \text{conjugate}(\lambda) \cdot g[2,0,0] - (1/4) \cdot \lambda^2 \cdot \text{conjugate}(g[2,0,0]) / \text{conjugate}(\lambda) + I \cdot \lambda \cdot \rho: \end{aligned}$$

$$\begin{aligned} g[0,2,0] &:= 0: \\ g[1,1,0] &:= -(2 \cdot I) \cdot \lambda \cdot \alpha / \text{conjugate}(\lambda): \end{aligned}$$

```

f[0,1,1] := I*lambda*alpha:
f[0,3,0] := 0:
f[1,2,0] := 0:
f[2,1,0] := 0:
f[3,0,0] := (3*I)*lambda^2*alpha*conjugate(g[1,0,0])/conjugate
(lambda)-4*lambda*alpha^2-lambda^2*conjugate(g[0,0,1])/conjugate
(lambda)+(1/2)*lambda^3*conjugate(g[1,0,0])^2/conjugate(lambda)
^2:

```

```

h[0,2,1] := 0:
h[1,1,1] := 0:
h[2,0,1] := I*lambda^2*alpha*conjugate(g[1,0,0])-4*alpha^2*
conjugate(lambda)*lambda-lambda^2*conjugate(g[0,0,1]):
h[0,4,0] := 0:
h[1,3,0] := 0:
h[2,2,0] := 0:
h[3,1,0] := 0:
h[4,0,0] := 0:

```

ORDRE 3

```

g[0,1,0] := lambda/conjugate(lambda):

```

```

f[0,2,0] := 0:
f[1,1,0] := 0:
f[2,0,0] := -(1/2)*lambda^2*conjugate(g[1,0,0])/conjugate
(lambda)-(2*I)*lambda*alpha:

```

```

h[0,1,1] := 0:
h[1,0,1] := -(2*I)*lambda*alpha*conjugate(lambda):
h[0,3,0] := 0:
h[1,2,0] := 0:
h[2,1,0] := 0:
h[3,0,0] := 0:

```

ORDRE 2

```

f[0,1,0] := 0:

```

```

h[0,0,1] := lambda*conjugate(lambda):
h[0,2,0] := 0:
h[1,1,0] := 0:
h[2,0,0] := 0:

```

ORDRE 1

```

h[1,0,0] := 0:
h[0,1,0] := 0:

```

CALCULS

```

FF :=

```

```

z*z b

```

```

+ (1/2)*z b^2*s+(1/2)*z^2*s b

```

```

+ z*z*b*s*s*b
+ (1/2)*s*s*b^2*z^2+(1/2)*z*b^2*s^2*s*b
+ conjugate(F[3,0,0,2,0])*s^2*z*b^3 + F[3,0,0,2,0]*z^3*s*b^2
+ z*z*b*s^2*s*b^2
+ F[5,0,0,1,0]*z^5*s*b
+ conjugate(F[5,0,0,1,0])*s*z*b^5
+ F[4,0,0,2,0]*z^4*s*b^2
+ conjugate(F[4,0,0,2,0])*s^2*z*b^4
+ F[3,0,2,1,0]*z^3*z*b^2*s*b
+ conjugate(F[3,0,2,1,0])*z^2*s*z*b^3
+ F[3,0,1,2,0]*z^3*z*b*s*b^2
+ conjugate(F[3,0,1,2,0])*z*s^2*z*b^3
+ F[3,0,0,3,0]*z^3*s*b^3
+ conjugate(F[3,0,0,3,0])*s^3*z*b^3
+ 3*conjugate(F[3,0,0,2,0])*z*s^2*z*b^2*s*b
+ 3*F[3,0,0,2,0]*z^2*s*z*b*s*b^2:

```

GG :=

z1*z1b

```

+ (1/2)*z1b^2*s1+(1/2)*z1^2*s1b
+ z1*z1b*s1*s1b
+ (1/2)*s1*s1b^2*z1^2+(1/2)*z1b^2*s1^2*s1b
+ conjugate(G[3,0,0,2,0])*s1^2*z1b^3 + G[3,0,0,2,0]*z1^3*s1b^2
+ z1*z1b*s1^2*s1b^2
+ G[5,0,0,1,0]*z1^5*s1b
+ conjugate(G[5,0,0,1,0])*s1*z1b^5
+ G[4,0,0,2,0]*z1^4*s1b^2
+ conjugate(G[4,0,0,2,0])*s1^2*z1b^4
+ G[3,0,2,1,0]*z1^3*z1b^2*s1b
+ conjugate(G[3,0,2,1,0])*z1^2*s1*z1b^3
+ G[3,0,1,2,0]*z1^3*z1b*s1b^2
+ conjugate(G[3,0,1,2,0])*z1*s1^2*z1b^3
+ G[3,0,0,3,0]*z1^3*s1b^3
+ conjugate(G[3,0,0,3,0])*s1^3*z1b^3
+ 3*conjugate(G[3,0,0,2,0])*z1*s1^2*z1b^2*s1b
+ 3*G[3,0,0,2,0]*z1^2*s1*z1b*s1b^2:

```

f[0,0,0] := 0: g[0,0,0] := 0: h[0,0,0] := 0:

```

f[1,0,0] := lambda: f[0,0,1] := - l*lambda*conjugate(alpha):
#assume(rho,real):
h[0,0,2] := lambda*conjugate(lambda)*(-alpha*conjugate(alpha)+l*
rho):

```

```

z1 := add(add(add(f[hh,i,l]*z^hh*s^i*w^l, hh=0..ordre-1-i-2*l),
i=0..ordre-1-2*l), l=0..(ordre-1)/2):

```

```
z1b := add(add(add(conjugate(f[hh,i,l])*zb^hh*sb^i*wb^l, hh=0..
ordre-1-i-2*l), i=0..ordre-1-2*l), l=0..(ordre-1)/2):
```

```
s1 := add(add(add(g[hh,i,l]*z^hh*s^i*w^l, hh=0..ordre-2-i-2*l),
i=0..ordre-2-2*l), l=0..(ordre-2)/2):
```

```
s1b := add(add(add(conjugate(g[hh,i,l])*zb^hh*sb^i*wb^l, hh=0..
ordre-2-i-2*l), i=0..ordre-2-2*l), l=0..(ordre-2)/2):
```

```
w1 := add(add(add(h[hh,i,l]*z^hh*s^i*w^l, hh=0..ordre-i-2*l), i=
0..ordre-2*l), l=0..ordre/2):
```

```
w1b := add(add(add(conjugate(h[hh,i,l])*zb^hh*sb^i*wb^l, hh=0..
ordre-i-2*l), i=0..ordre-2*l), l=0..ordre/2):
```

```
w := FF + l*v:
```

```
wb := FF - l*v:
```

```
u1 := (w1+w1b)/2:
```

```
v1 := (w1-w1b)/(2*l):
```

```
eqdef := mtaylor( - u1 + GG, [z,s,zb,sb,v], ordre+1, [1,1,1,1,2]
):
```

TOUTES LES EQUATIONS COMPLEXES

```
printlevel := 4:
for m from 0 to ordre do
for l from 0 to m/2 do
for k from 0 to m-2*l do
for j from 0 to m-k-2*l do
for i from 0 to m-j-k-2*l do
```

```
EEq||m[m-i-j-k-2*l,i,j,k,l] :=
expand(expand(coeftayl(eqdef, [z,s,zb,sb,v]=[0,0,0,0,0], [m-i-j-
k-2*l,i,j,k,l])));
```

```
od; od; od; od; od;
```

SELECTIONNER CELLES QUI SONT NON NULLES

```
printlevel := 5:
for m from 0 to ordre do
for l from 0 to m/2 do
for k from 0 to m-2*l do
for j from 0 to m-k-2*l do
for i from 0 to m-j-k-2*l do
```

```

if EEq||m[m-i-j-k-2*l,i,j,k,l] <> 0 then
  Eq||m[m-i-j-k-2*l,i,j,k,l] := expand(expand(EEq||m[m-i-j-
k-2*l,i,j,k,l])); end if;

od; od; od; od; od;

```

ordre := 6

(1)

```

>

## Eq[h,i,0,0,l]

for l from 0 to ordre/2 do
for i from 0 to ordre-2*l do

if expand(EEq||ordre[ordre-i-2*l,i,0,0,l]) <> 0 then
Eq||ordre[ordre-i-2*l,i,0,0,l] := expand(EEq||ordre[ordre-i-2*l,
i,0,0,l]); end if;

od; od;

```

```

>

## Eq[h,i,1,0,l]

for l from 0 to (ordre-1)/2 do
for i from 0 to ordre-1-2*l do

if expand(EEq||ordre[ordre-1-i-2*l,i,1,0,l]) <> 0 then
Eq||ordre[ordre-1-i-2*l,i,1,0,l] := expand(EEq||ordre[ordre-1-
i-2*l,i,1,0,l]); end if;

od; od;

```

```

>

## Eq[h,i,2,0,l]

for l from 0 to (ordre-2)/2 do
for i from 0 to ordre-2-2*l do

if expand(EEq||ordre[ordre-2-i-2*l,i,2,0,l]) <> 0 then
Eq||ordre[ordre-2-i-2*l,i,2,0,l] := expand(EEq||ordre[ordre-2-
i-2*l,i,2,0,l]); end if;

```

```
od; od;
```

```
[> l1 := (ordre - (0+1+3+0))/2;  
for l from floor(l1) to l1 do  
if l1-floor(l1) = 0  
and expand(EEq||ordre[0,1,3,0,l]) <> 0 then  
Eq||ordre[0,1,3,0,l] := expand(EEq||ordre[0,1,3,0,l]); end if;  
od;
```

```
[> l2 := (ordre - (0+1+4+0))/2;  
for l from floor(l2) to l2 do  
if l2-floor(l2) = 0  
and expand(EEq||ordre[0,1,4,0,l]) <> 0 then  
Eq||ordre[0,1,4,0,l] := expand(EEq||ordre[0,1,4,0,l]); end if;  
od;
```

```
[> l3 := (ordre - (1+1+3+0))/2;  
for l from floor(l3) to l3 do  
if l3-floor(l3) = 0  
and expand(EEq||ordre[1,1,3,0,l3]) <> 0 then  
Eq||ordre[1,1,3,0,l3] := expand(EEq||ordre[1,1,3,0,l3]); end if;  
od;
```

```
[> l4 := (ordre - (1+1+4+0))/2;  
for l from floor(l4) to l4 do  
if l4-floor(l4) = 0  
and expand(EEq||ordre[1,1,4,0,l4]) <> 0 then  
Eq||ordre[1,1,4,0,l4] := expand(EEq||ordre[1,1,4,0,l4]); end if;  
od;
```

```
[> l5 := (ordre - (3+0+3+0))/2;  
for l from floor(l5) to l5 do  
if l5-floor(l5) = 0  
and expand(EEq||ordre[3,0,3,0,l5]) <> 0 then  
Eq||ordre[3,0,3,0,l5] := expand(EEq||ordre[3,0,3,0,l5]); end if;  
od;
```