```
> restart;
Solve equation 1 for B depending on C
> e1 := B = (G1-C)*G2*U / (1-(G1-C)*G2*(C*G2));
                                   e1 := B = \frac{(G1 - C) G2 U}{1 - (G1 - C) G2^2 C}
                                                                                                             (1)
> e1 := solve(e1, B);
                                  el := -\frac{(-Gl + C) G2 U}{1 - G2^2 C Gl + G2^2 C^2}
                                                                                                             (2)
Solve equatin 2 for C
> e2 := C = G3*B / (1-G3*(((U-B)*G1 -1)*G2 +Y));

e2 := C = \frac{G3B}{1 - G3(((U-B)G1 - 1)G2 + Y)}
                                                                                                             (3)
> e2 := solve(e2, C);
                      e2 := \frac{G3B}{1 - G3G2G1U + G3G2G1B + G3G2 - G3Y}
                                                                                                             (4)
e2 := -(G3(-G1+C) G2 U) / ((1-G2^2 C G1 + G2^2 C^2) (1-G3 G2 G1 U)
                                                                                                             (5)
-\frac{G3 G2^{2} G1 (-G1+C) U}{1-G2^{2} C G1+G2^{2} C^{2}}+G3 G2-G3 Y}
> e2 := solve(e2, C);
                                                e2 := G1
                                                                                                             (6)
Solve equation 3
> e3 := G4*C / (1-G4*((B+1)*G3));
                                      e3 := \frac{G4 C}{1 - G4 (R + 1) G3}
                                                                                                             (7)
> e3 := subs(B=e1, e3);
                        e3 := \frac{G4C}{1 - G4\left(-\frac{(-GI + C) G2 U}{1 - G2^2 C GI + G2^2 C^2} + 1\right) G3}
                                                                                                             (8)
> e3 := subs(C=e2, e3);
                                          e3 := \frac{G4 \, G1}{1 - G4 \, G3}
                                                                                                             (9)
```

Lmost likely the approach is wrong! Result does not match to expectation! FUCK!