4 (1 - (2+x-2)(3x+5)) g = (2+x-2)f + (-9x+9)q.

8) 
$$K = \frac{1}{25}$$
 $F = x^{5} + 2x^{4} + 4x^{3} + 2x^{2} + 4x + 4$ 
 $G = 3x^{3} + 4x^{2} + 4x + 4$ 
 $G = 4x^{4} + 4x^{3} + 2x^{2} + 4x + 4$ 
 $G = 4x^{4} + 4x^{3} + 2x^{2} + 4x + 4$ 
 $G = 4x^{4} + 3x^{3} + 2x^{2} + 4x + 4$ 
 $G = 4x^{4} + 2x^{5} + 2x^{4} + 3x + 4$ 
 $G = 4x^{4} + 2x^{5} + 2x^{4} + 3x + 4$ 
 $G = 4x^{4} + 2x^{5} + 2x^{4} + 2x + 3$ 
 $G = 4x^{4} + 2x^{5} + 2x^{4} + 2x + 3$ 
 $G = 4x^{4} + 2x^{5} + 2x^{4} + 2x + 3$ 
 $G = 4x^{4} + 2x^{5} + 2$ 

$$g = (3x+u) \Gamma_1 + \Gamma_2 = 7 \Gamma_2 = G - (3x+u) \Gamma_1$$
 $x^2 + 6x + 1 | x + 2 |$ 
 $-x^2 + 2x + 0 | x + 3$ 
 $-3x + 1$ 
 $-3x + 1$ 

 $|WD(f,g) = x+2 \cdot r_2$   $f - g - (3x+u) \cdot r_3 \cdot g - (3x+u)(f - (2x^2+3x+3)g) = (-3x-u)f + (7+6x^4)$   $+ (1+(3x+u)(2x^2+3x+3))g \cdot (-3x-u)f + (1+x^3+3x^2+4x^2+2x^2+4x+3)g$   $= (-3x-u)f + (x^3+2x^2+x+3)g = (2x+1)f + (x^3+2x^2+x+3)g$ 

$$f: (x^{3}+3x^{2}+3)(x+2)(x+3)$$

$$\frac{x}{1} \frac{0}{3} \frac{1}{2} \frac{3}{3} \frac{41}{4} \frac{3}{4} \frac{1}{4} \frac{3}{4} \frac{3}{4} \frac{3}{4} \frac{1}{4} \frac{3}{4} \frac{3$$

```
(3) F. Q[2]/(2°-2°-1)
   F nove <=> (z3-z2-1) rempulsyam may Q
     Q 5 2 - 2 - 1
     Doraxia, ato g rempulogue:
                                                                                                                                                           => \begin{bmatrix} + & 1 & g(+) & -3 \\ + & -1 & g(+) & -1 \end{bmatrix} =>
     Myare to g-nupers => f-1:p
     => g respulger => F note.
      × × Z + (23-2×+1)
       3x2-12x+7 = A0+A1x+A2x2
      322 - 12027 . (A.+ A102 + A202) (22-30+1) = A002 - 3A,00 + A0 + A103 -
 -3A, 2 + A, 2 + A, 2 + A, 2 + - 3A, 2 + A, 2 2
      23 - x =1 = U
       X3 x2+1
       2 4 5 × 3+2 5 × +2+1
  ( ) A ox - 3 A ox + A o + A ox + A 1 - 3 A ox + A 1 x + A 1 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x + A 2 x 
   + A222 - (A0+A1-3A1+A2-3A2+A2) 22 + (-3A0+A1+A2) 2+
+ (Ao + A1 + A2 = 3 A2)
                                                                                                                          => \[ \begin{aligned} & 3 & A_0 & - 2 A_1 & - A_2 \\ & - 12 & - 3 & A_0 & + A_1 & - A_2 \\ & - A_2 & - A_1 & + 2 & A_2 \end{aligned} \]
                                                                                                                                                                                                                          A = 2 A + A + 3
    (3 = A. + A. - ) A. + A. - 3 A. + A.
                                                                                                                                                                                                                    => DA1+A+3-A1+2A2 = 7
   ) - 12 = (-3A,+A,+A)
    (7. A. +A, =2A2
   A_{1} + 3A_{2} = L_{1} = -12 = -6A_{1} - 3A_{2} - 9 + 4 - 3A_{2} - A_{2}
= > \mu_{1} + 3A_{2} = 13A_{2} + 4
```