$f = \{x, y\}$ $f = x^{2} + xy^{2} + y^{2}$ $f = (xy - 1, y^{2} - 1)$ $f = xy - 1, xy^{2} + xy^{2} + y^{2}$ $f_{1} = xy - 1, xy^{2} + xy^{2} + y^{2}$ $f_{2} = (y^{2} - 1)$ $f_{3} = xy - 1, xy^{2} + xy^{2} + y^{2}$ $f_{4} = (y^{2} - 1)$ $f_{2} = (y^{2} - 1)$ $f_{3} = (y^{2} - 1)$ $f_{4} = (y^{2} - 1)$ $f_{3} = (y^{2} - 1)$ $f_{4} = (y^{2} - 1)$ $f_{5} = (y^{2} - 1)$ $f_{6} = (y^{2} - 1)$ $f_{7} = (y^{$

 $(m/f divide) \longrightarrow + + + + \longrightarrow$

 $\frac{1}{2} \longrightarrow 1$

(om/4:00: = = (x+y)f, +1.f2 + x)+(y+1)

Note: Dapando on both order of division and monomial order!