$$x^{2}y + x \ln y = 1 \quad ; \quad x_{0} = 1 \; ; \quad y_{0} = 1 \; ; \quad y_{x} \; ; \quad y_{x} \; (x_{0}), \quad y_{xx} \; (x_{0})$$

$$\left(x^{2}y + x \ln y\right)^{1} = 1^{1} \; ; \quad 2xy + x^{2}y^{1} + \ln y + \frac{y^{1}x}{y} = 0$$

$$x^{2}y^{1} + \frac{y^{1}x}{y} = -2xy - \ln y \; ; \quad y^{1}/x^{2} + \frac{x}{y}) = -2xy - \ln y$$

$$\left(y^{1} + \frac{y^{1}x}{y} = -2xy - \ln y\right) \cdot y + \left(y^{1}/x^{2} + \frac{x^{2}y}{y}\right) = -2xy - \ln y$$

$$\left(y^{1} + \frac{y^{1}x}{y} = -2xy - \ln y\right) \cdot y + \left(y^{1}/x^{2}\right) = -1$$

$$\left(x^{2}y + x\right)^{2} + \frac{y^{1}}{x^{2}y + x} + \frac{y^{1}}{x^{2}y + x} + \frac{(x^{2}y + x)(-2xy^{2} - y \ln y)(-2xy^{2} - y \ln y)(x^{2}y + x^{2}y^{2})}{(x^{2}y + x)^{2}} + \frac{(x^{2}y + x)(-2xy^{2} - y \ln y)(-2xy^{2} + y \ln y)(2xy + x^{2}y^{1} + y)}{(x^{2}y + x)^{2}} + \frac{(x^{2}y + x)(-2y^{2} - 4yy^{1}x - y^{1}y - y - y^{1}y^{2})}{(x^{2}y + x)^{2}} + \frac{(x^{2}y + x)(-2y^{2} - 4yy^{1}x - y^{1}y - y - y^{1}y^{2})}{(x^{2}y + x)^{2}} + \frac{(x^{2}y + x)(-2y^{2} - 4yy^{1}x - y^{1}y - y - y^{1}y^{2})}{(x^{2}y + x)^{2}} + \frac{(x^{2}y + x)(-2y^{2} - 4yy^{1}x - y^{1}y - y - y^{1}y^{2})}{(x^{2}y + x)^{2}} + \frac{(x^{2}y + x)(-2y^{2} - 4yy^{1}x - y^{1}y - y - y^{1}y^{2})}{(x^{2}y + x)^{2}} + \frac{(x^{2}y + x)(-2y^{2} - 4yy^{1}x - y^{1}y - y - y^{1}y^{2})}{(x^{2}y + x)^{2}} + \frac{(x^{2}y + x)(-2y^{2} - 4yy^{1}x - y^{1}y - y - y^{1}y^{2})}{(x^{2}y + x)^{2}} + \frac{(x^{2}y + x)(-2y^{2} - 4yy^{1}x - y^{1}y - y - y^{1}y^{2})}{(x^{2}y + x)^{2}} + \frac{(x^{2}y + x)(-2y^{2} - 4yy^{1}x - y^{1}y - y - y^{1}y^{2})}{(x^{2}y + x)^{2}} + \frac{(x^{2}y + x)(-2y^{2} - 4yy^{1}x - y^{1}y - y - y^{1}y - y - y^{1}y^{2})}{(x^{2}y + x)^{2}} + \frac{(x^{2}y + x)(-2y^{2} - 4yy^{1}x - y^{1}y - y -$$