


$$2u_{xy} + 3u_{yy}$$

$$= \left(\frac{\partial f}{\partial s}\right)^2 u_{ff} + \left(\frac{\partial g}{\partial t}\right)^2 u_{gg} - \frac{10}{3} \left(\frac{\partial f}{\partial s} \frac{\partial g}{\partial t}\right) u_{fg}$$


 Last term is not
in u_{xx} .