There is a typo in Problem 2.9(e). The second appearance of $f_{L}$ should read $f_{T}$. The correct equation is
$w=p^{x} f_{L}=p^{y} g_{L} ; r=p^{x} f_{T}=p^{y} g_{T} ; p^{x} / p^{y}=u_{x} / u_{y}$.

