Which part of

$$\begin{cases} \rho \frac{\partial \boldsymbol{u}}{\partial t} + \rho(\boldsymbol{u} \cdot \Delta) - \Delta \cdot \sigma(\boldsymbol{u}, \rho) = \boldsymbol{f} \\ \Delta \cdot \boldsymbol{u} = 0 \end{cases}$$

don’t you understand?