



$$\begin{aligned}\Sigma M &= Vh - \left(\frac{Vh}{l} + \frac{D}{2}\right)\left(\frac{l}{2}\right) - \left(\frac{V}{2} - \frac{Dl}{4h}\right)(h) \\ &= Vh - \frac{Vh}{2} - \frac{Dl}{4} - \frac{Vh}{2} + \frac{Dl}{4} = 0\end{aligned}$$