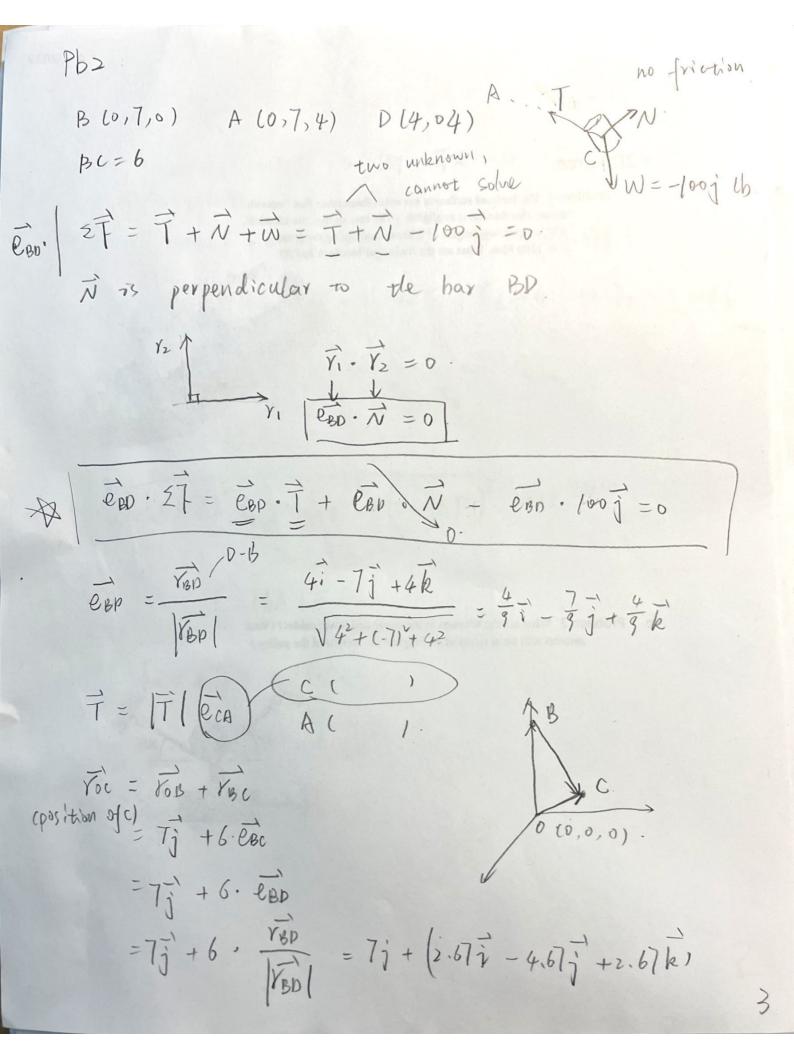


$$\sqrt{(2.727)^2 \pm (0.3737)^2 + (0.1137)^2} = 1000$$



$$\vec{V_{0C}} = 2.67\vec{i} + 2.35\vec{j} + 2.67\vec{k}$$

$$c(2).67, (3).35, (2).67)$$

$$\vec{C_{CA}} = \frac{\vec{V_{0A}} = A^{-C}}{|\vec{V_{0A}}|} = \frac{(0-2.67)\vec{i} + (7-2.3)\vec{j}\vec{j} + (4-2.67)\vec{k}}{|\vec{V_{0A}}|} = \frac{(2.67)^{2} + 4.67^{2} + 1.53^{2}}{(2.67)^{2} + 4.67^{2} + 1.53^{2}}$$

$$= -0.482\vec{i} + 0.845\vec{j} + 0.241\vec{k}$$

$$\vec{e}_{BD}(\vec{T}-100\vec{j})=0.$$

$$(\frac{4}{3}\vec{i}-\frac{7}{3}\vec{j}+\frac{4}{3}\vec{k})\cdot(|\vec{T}|\vec{e}_{CA}-100\vec{j})=0.$$