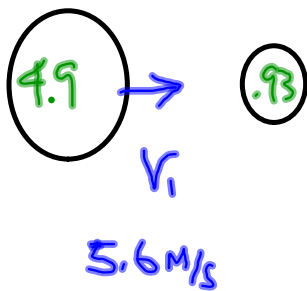


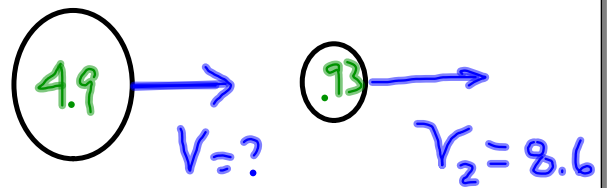
Prob 23 of POD 17

(BC)



$$\begin{aligned}\sum p_{BC} &= (4.9)(5.6) + (0) \\ &= 27.44 \text{ kg}(m/s)\end{aligned}$$

(C)



$$27.44 = (4.9)(v?) + (.93)(8.6) \frac{m}{s}$$

$$v? = 3.96 \frac{m}{s}$$

$$\begin{aligned}27.44 &= 4.9(v?) + 7.99 \\ -7.99 &\quad -7.99\end{aligned}$$

$$19.45 = 4.9 v?$$