

$$\vec{V}'_A - \vec{V}'_B = -e(\vec{V}_A - \vec{V}_B)$$

$$0.57[m/s] - 0.50[m/s] = -e(0.75[m/s] - 0)$$

$$e = -\frac{0.07}{0.75}$$

$$e = -0.09$$