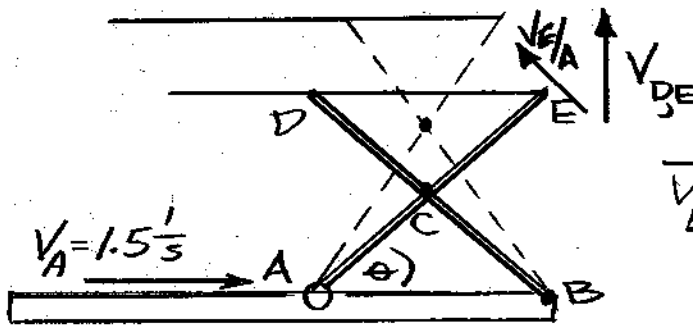


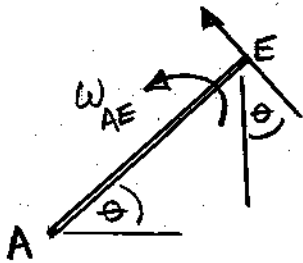
GOOD ONE

SCAFFOLD / PLATFORM IS RAISED BY THE CRISS-CROSS LINKS WHEN ROLLER A MOVES TOWARD FIXED PIN B.



LINKS $\overline{AE} = \overline{BD} = 4'$

$$\vec{V}_E = \vec{V}_A + \vec{V}_{E/A}$$



COUPLER = CONNECTING LINK

$$\therefore \vec{V}_{E/A} = -V_{E/A} \sin \theta \hat{i} + V_{E/A} \cos \theta \hat{j}$$

$$\hat{i} \quad 0 = -V_{E/A} \sin \theta + 1.5 \frac{1}{s} \quad \therefore V_{E/A} \sin \theta = 1.5$$

$$\hat{j} \quad V_E = V_{E/A} \cos \theta$$

$$\frac{V_{E/A} \sin \theta}{V_{E/A} \cos \theta} = \frac{1.5}{V_E} = \tan \theta$$

$$\boxed{V_E = \frac{1.5}{\tan \theta} \frac{1}{s}}$$