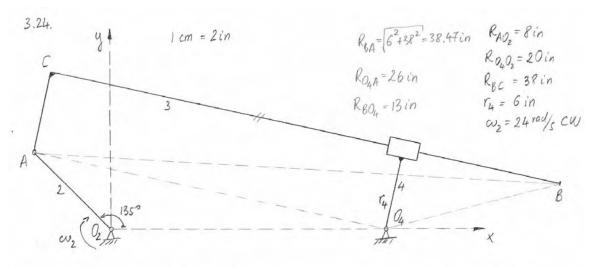


Ov, O2, B, O,



VA = CUZX RAOZ -> VA = 192 in/s I RAOZ

Consider a pair of points: Oz and O4

instantaneously coincident at O4

Oz: attached to link 3

O4: attached to link 4

$$\overrightarrow{V_{0_4}} = \overrightarrow{O} \qquad \overrightarrow{V_{0_3}} = \overrightarrow{V_A} + \overrightarrow{\omega_3} \times \overrightarrow{R_{0_4}} A$$

$$\overrightarrow{V_{0_3}} = \overrightarrow{V_A} + \overrightarrow{\omega_3} \times \overrightarrow{R_{0_4}} A$$

$$\overrightarrow{V_{0_3}} = \overrightarrow{V_{0_4}} + \overrightarrow{V_{0_3/4}}$$

$$\omega_3 = \omega_4 = \frac{V_{0_4}A}{R_{0_4A}} = \frac{164}{26} = 6.3 \frac{rad}{s} CW$$

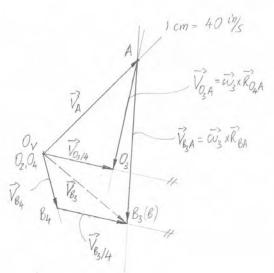
Consider another pair of points: B3(B) and B4 instantaneously coincident at B

B3 (B): attached to link 3

By: attached to link 4

$$\overrightarrow{V}_{6_{A}} = \overrightarrow{cv}_{4} \times \overrightarrow{R}_{60_{4}} \longrightarrow V_{6_{4}} = 13 \times 6.3 = 81.9 \stackrel{i}{\%}_{5} \quad \overrightarrow{L}_{80_{4}} \times \overrightarrow{V}_{6_{3}} = \overrightarrow{V}_{A} + \overrightarrow{\omega}_{3} \times \overrightarrow{R}_{6A} \quad \overrightarrow{C}_{3} \times \overrightarrow{R}_{6A} = \overrightarrow{V}_{6_{3}} + \overrightarrow{L}_{6A} \times \overrightarrow{R}_{6A}$$

$$\overrightarrow{V}_{6_{3}} = \overrightarrow{V}_{6_{4}} + \overrightarrow{V}_{6_{3}} / 4$$



$$V_{g_3} = 158 i \eta_s$$
 (absolute velocity)
 $V_{g_3/4} = 104 i \eta_s$ (apparent velocity
to link 4)