$L_1 = 0.68$ in
$L_2 = 1.38$ in
$L_3 = 1.22$ in
$L_4 = 1.62$ in

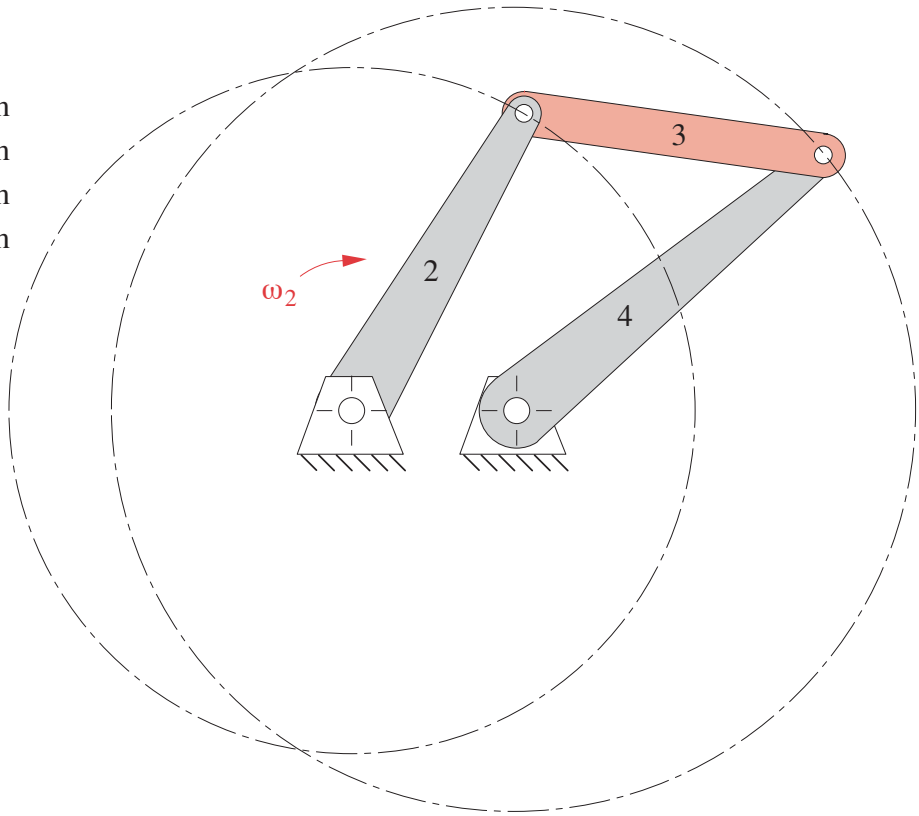

FIGURE P6-25

Problems 6-62 and 6-63 *From P. H. Hill and W. P. Rule. (1960). Mechanisms: Analysis and Design*

*†6-62 Figure P6-25 shows a drag link mechanism with dimensions. Write the necessary equations, and solve them to calculate the angular velocity of link 4 for an input of $\omega_2 = 1$ rad/sec. Comment on uses for this mechanism.

†6-63 Figure P6-25 shows a drag link mechanism with dimensions. Write the necessary equations, and solve them to calculate and plot the centrodes of instant center $I_{2,4}$.

* Answers in Appendix F.

† These problems are suited to solution using *Mathcad, Matlab,* or *TKSolver* equation solver programs. In most cases, your solution can be checked with program FOURBAR.