

2.32. Find the range of angular positions for the input link (link 2) and for the output link (link 4) for the four-bar linkage shown in Fig. 2.57.

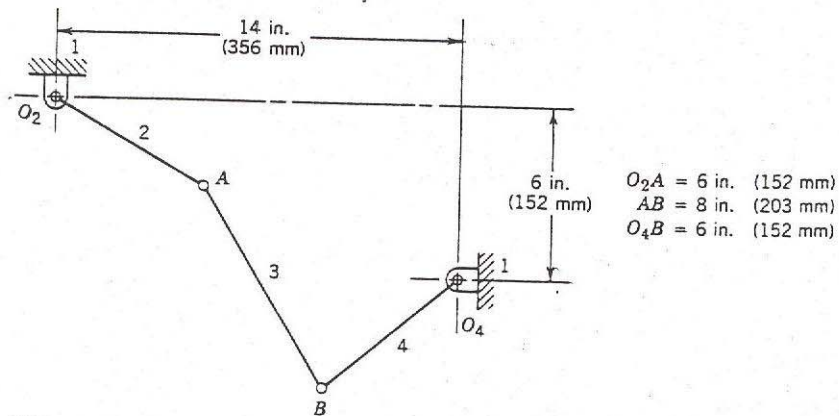


FIGURE 2.57

2.33. Determine the mobility (number of degrees of freedom) of the devices shown in Figs. 1.25 through 1.32.

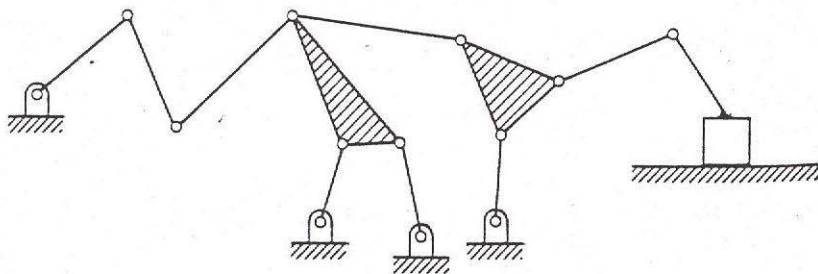


FIGURE 1.30

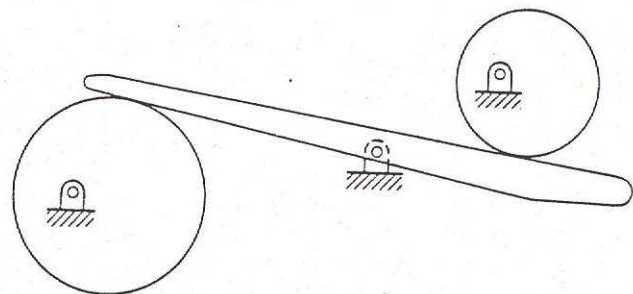


FIGURE 1.32

All contacts
Rolling & Sliding

2.23. For the offset slider-crank mechanism shown in Fig. 2.53, calculate (a) the length of stroke of slider 4, (b) the distance O_2B when the slider is in its extreme left position, and (c) the time ratio of working stroke to return stroke.

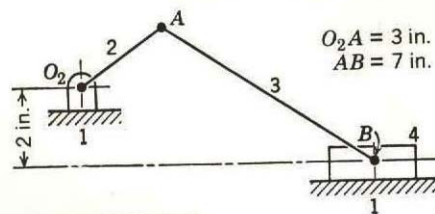
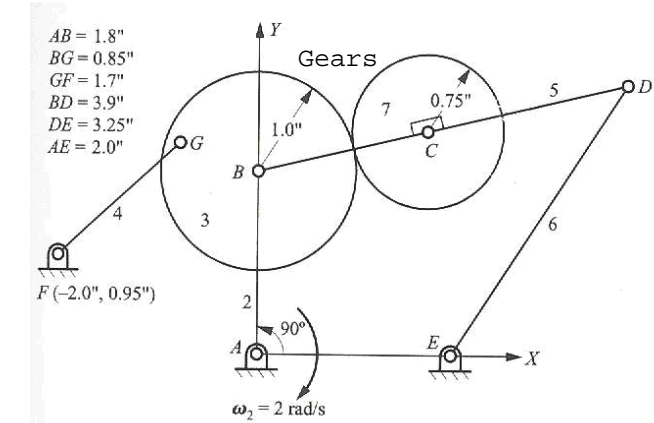
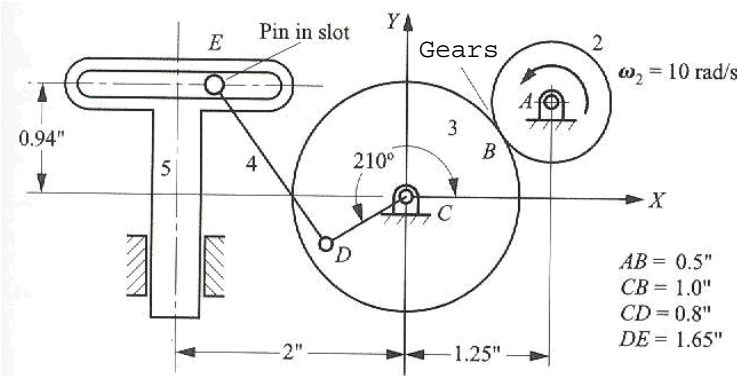


FIGURE 2.53

Solve problem 1.25 in the textbook. Also, for this problem determine the min. and max. transmission angles in case it is possible.

Find the D-O-F of the following mechanism



1-

2-

