

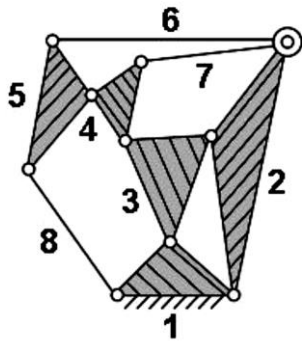
TIET Patiala

Department of Mechanical Engineering

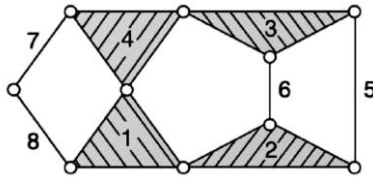
UMT 304: Theory of Machines

Tutorial Sheet No 2

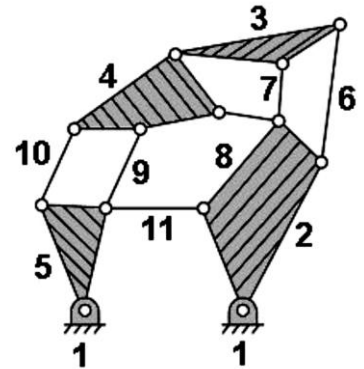
1. Evaluate the number of degrees of freedom for the kinematic linkages as shown in the figures below:



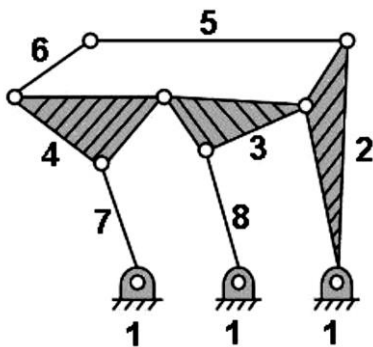
(a)



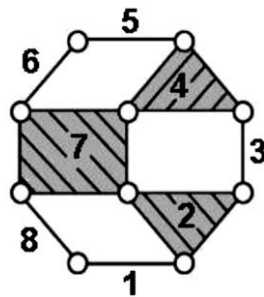
(b)



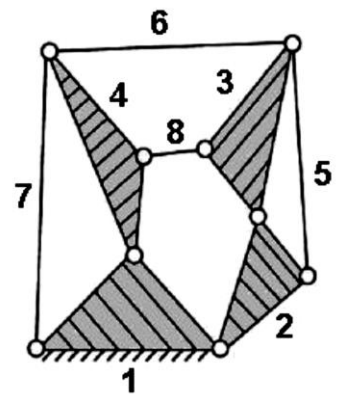
(c)



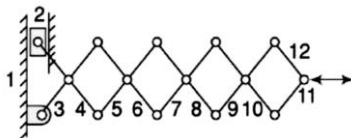
(d)



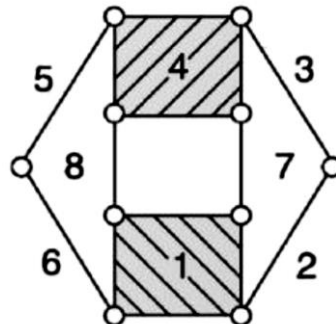
(e)



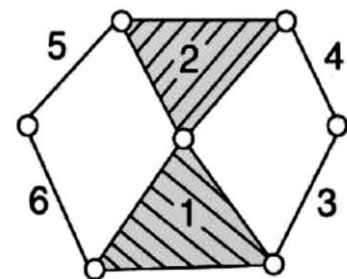
(f)



(g)



(h)



(i)