

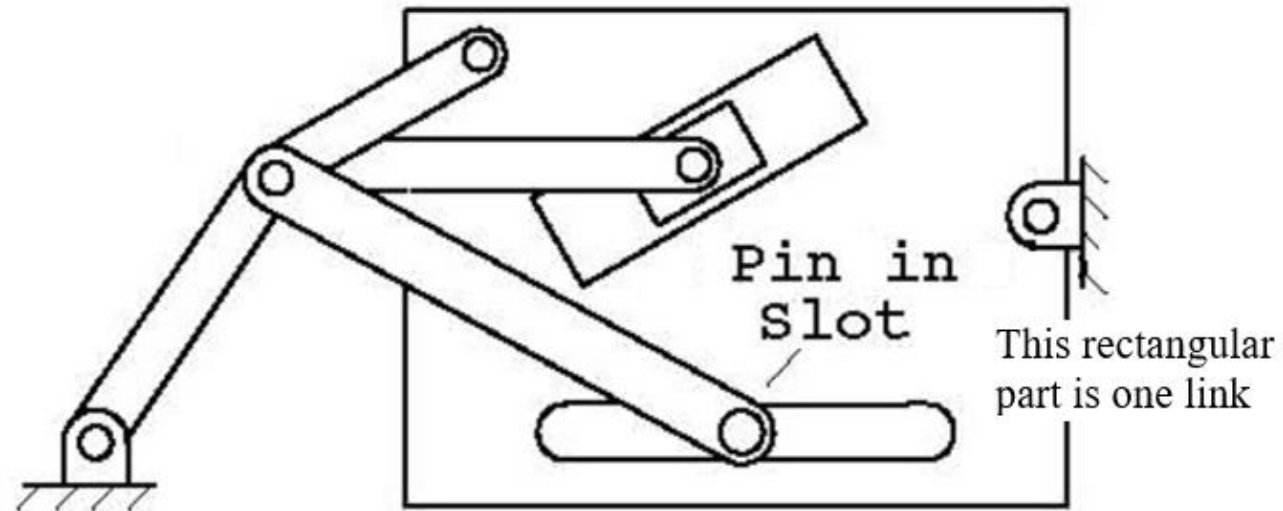
MoM– Quiz No.1- sec3 10 min

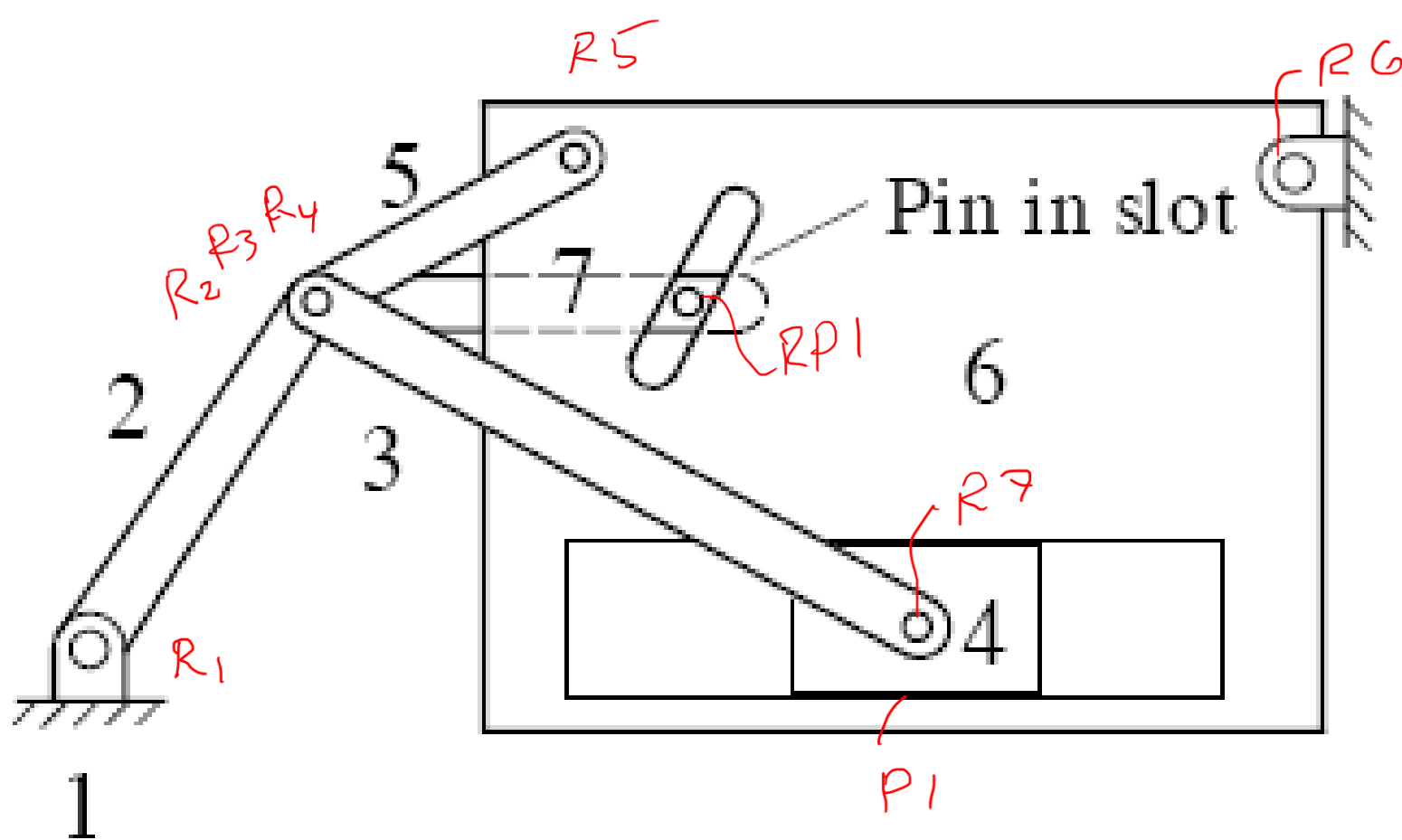
Name:

Serial:

Find the mobility (DOF) for the mechanism shown. Show numbers of links and all types of joints. (m=1)

$$M = 3(L-1) - 2J_1 - J_2$$





$$L = 7$$

$$J_1 = 8$$

$$J_2 = 1$$

$$\begin{aligned}
 M &= 3(7-1) - 2(8) - 1 \\
 &= 18 - 16 - 1 \\
 &= 1
 \end{aligned}$$