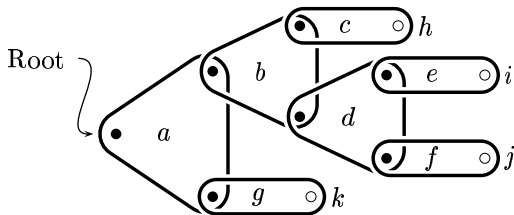


(a) A linear chain of links with 1-DOF rotational joints.



(b) A tree-like arrangement of links and 1-DOF joints. The points  $h$ - $k$  are end effector points.

Figure XII.3: Two examples of tree-like arrangements of links. The black dots represent 1-DOF rotational joints. The small circles are end effector points.