

The diagram illustrates a navigation task in a 2D environment. A green cylinder at the top is labeled "Goal". A purple oval at the bottom left is labeled "Hazard". A black line represents the robot's path, starting from the bottom left and ending at the goal. The path is composed of several segments, each showing a red square robot with a blue arrow indicating its direction. The robot is shown at various points along the path, avoiding the hazard and heading towards the goal. The text  $\alpha = 12$  is located in the bottom right corner.

The diagram illustrates a multi-link robotic arm in a 2D environment. The arm consists of four red rectangular links connected by blue joints, each with two small red circular end-effectors. The first link is labeled "Agent" in red text. The second link is labeled "Hazard" in purple text, positioned near two purple circular obstacles. The fourth link has a small blue square with a black arrow pointing towards a green cylindrical object labeled "Goal" in green text.

The diagram illustrates a multi-link robotic arm with four segments, each represented by a red rectangle with a blue square at its base. The segments are connected by blue joints with red cylindrical end effectors. The arm is positioned diagonally from the bottom-left to the top-right. A green cylinder labeled "Goal" is at the top right. Two purple circles labeled "Hazard" are located in the middle of the arm's path. The word "Agent" is written in red at the bottom left, indicating the starting point of the arm.