

The diagram illustrates a multi-robot environment. A large rectangular area is enclosed by a dashed white line, representing the environment boundary. Inside this boundary, there are two solid gray rectangular obstacles labeled P_3 and P_4 . The area is filled with a green stippled pattern, representing a field of view or a specific terrain. A dashed blue line with arrows at both ends indicates a path or a sequence of points. This path starts from the left boundary, moves right, then up, then right again, and finally down. The path is composed of small blue squares. Outside the dashed boundary, there are two more regions labeled P_1 and P_2 , which are also filled with a green stippled pattern. These regions are separated from the main area by a solid gray boundary. Arrows indicate the direction of movement or flow: a downward arrow on the left, an upward arrow on the right, and a rightward arrow at the bottom. A dashed blue line with arrows at both ends indicates a path or a sequence of points, starting from the left boundary, moving right, then up, then right again, and finally down.

 P_2