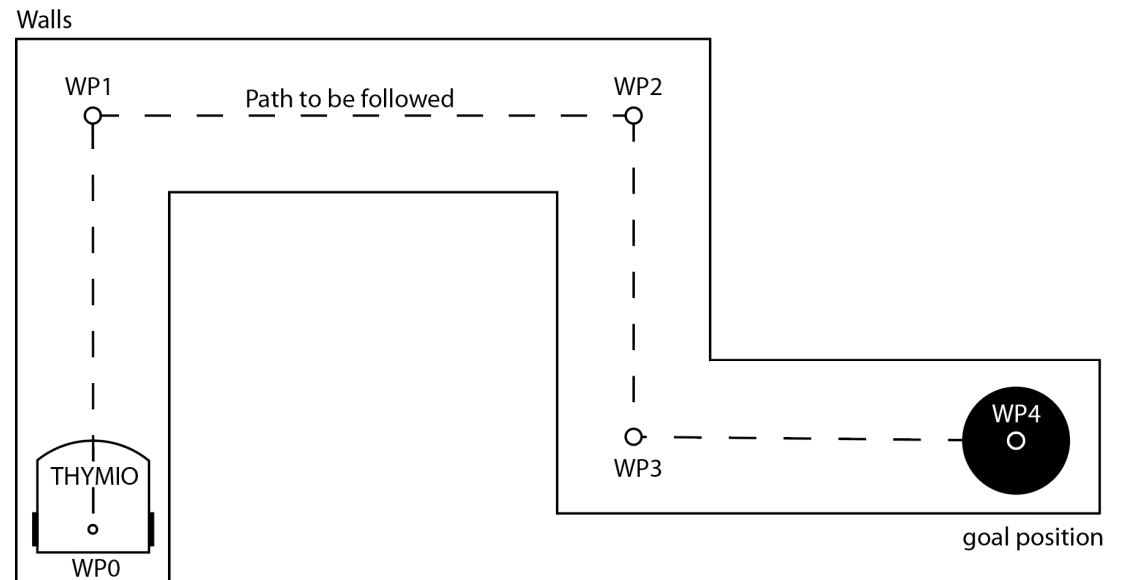


L1-C6 Astolfi controller

You need to make a demonstration of Thymio moving in a narrow corridor described in the figure on the right, without touching the walls. You have the position of Thymio through a tracking system and you have the path that the robot should follow, composed of 5 way-points (WP0-WP1-WP2-WP3-WP4). WP0 is the start, WP4 is the goal. You have to choose a method to follow the path. What among the following statements are correct (several answers possible)?



A: I can use the Astolfi controller on each segment (START – WP1, then WP1- WP2,...) with an angle at the of each segment oriented toward the next WP (excepted goal, direction aligned with segment)

B: I can use the Astolfi controller on each segment (START – WP1, then WP1- WP2,...) with an angle at the of each segment aligned with the last WP (excepted start, direction aligned with segment)

C: I can use the Astolfi controller without considering the angle at the target WP, then turning on place with a regulator, before starting the next segment,