Robot License: Parallel Parking

Robot License: Parallel Parking Challenge
Your robot must be able to parallel park in a specific spot and maintain an equal distance from two cars on both sides. In this challenge, you will practice precise navigation using your choice of rotation or sensor-based methods.

Rules and Procedure

1. Your car must be able to park into the parallel parking area (2).

2. For an easier version of this challenge, make sure the cars are always in the same place. For a harder version, start the cars in different positions between attempts (but keep the distance between them the same).

3. Beat the challenge by parking in the spot, and being an exactly equal distance from the car in front and the car behind.

   Note: Measuring your robot will help determine how much space you will need to leave free on each side.

2'

1 Start Here

2 Park Here

4'

25 cm **2**

= Cars that you have to park between

1

Note: Diagrams are not drawn to scale