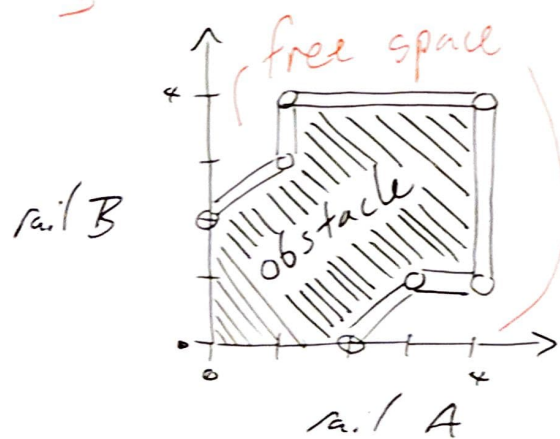
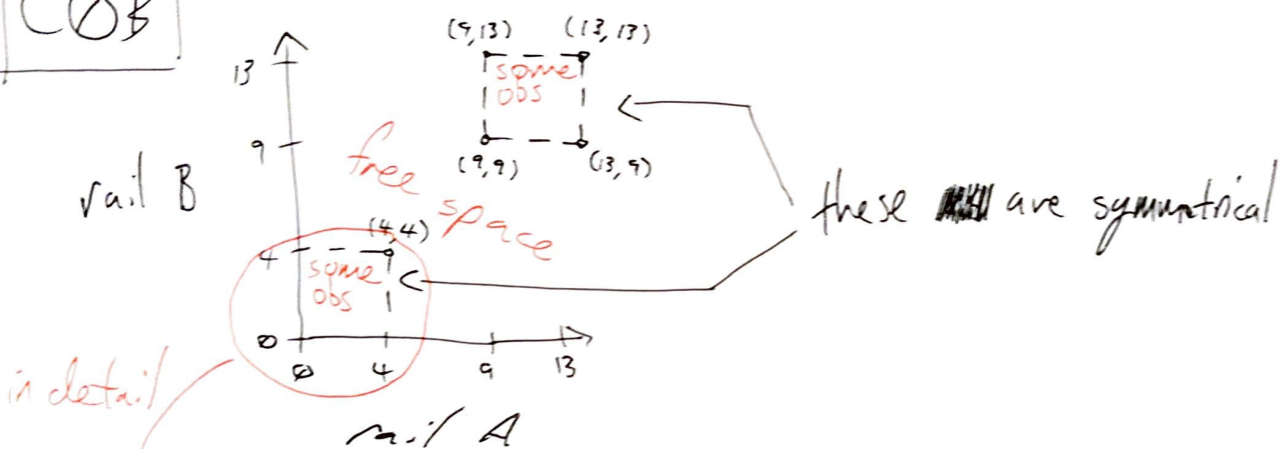


**COA** the two axes of the configuration space are Robot A's position relative to the total length of its rail, and Robot B's position relative to the total length of its rail. Each rail is 13 units long, so the configuration space axes are both bounded from 0 to 13. The "above" diagram depicts configuration (5, 5, 3, 5).

**COB**



the robots may occupy the vertices  $(0, 2), (1, 3), (1, 4), (4, 4), (4, 1), (3, 1), (2, 0)$ , or any points on any lines connecting 2 consecutive vertices

(according to the order listed here)