

Matlab code

Problems - *Code the required steps up as given below to make experience-based navigation work!!! (use the short code uploaded to Moodle)*

Implementation of Navigation Steps

1. **directionIndex**, i.e. determination of the direction of the target relative to the robot
2. **movementIndex**, i.e. the selection of the best step for the given direction from the rule table
3. the calculation of the new step, i.e. incrementing or decrementing the row/column of the variable "**newPos**"
4. **distance** check
 - if we got close => confirm the rule
 - if we moved away => weaken the rule

(The rest of the code performs the following (stepping, visualisation, etc.)