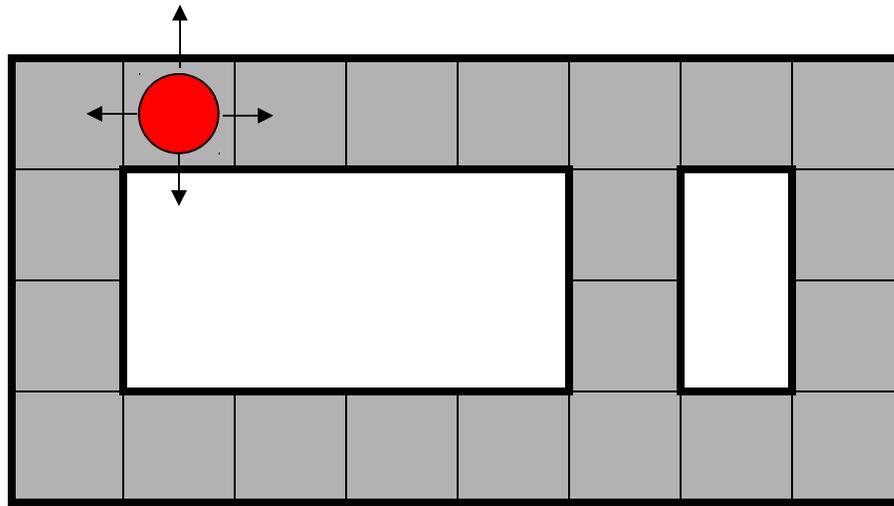


Example: Robot Localization

Example from
Michael
Pfeiffer

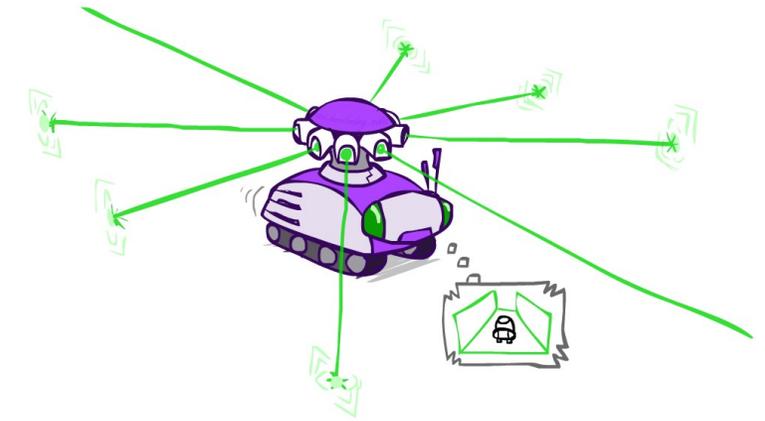


Prob

0

1

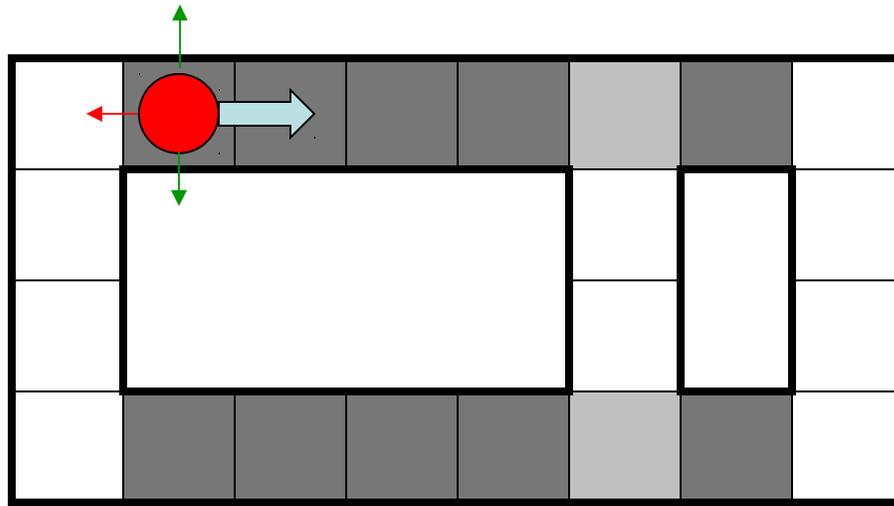
$t=0$



Sensor model: can read in which directions there is a wall,
never more than 1 mistake

Motion model: may not execute action with small prob.

Example: Robot Localization



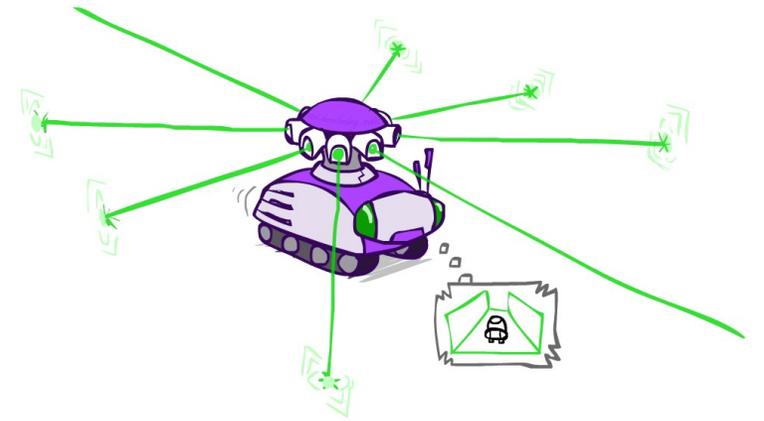
Prob

0

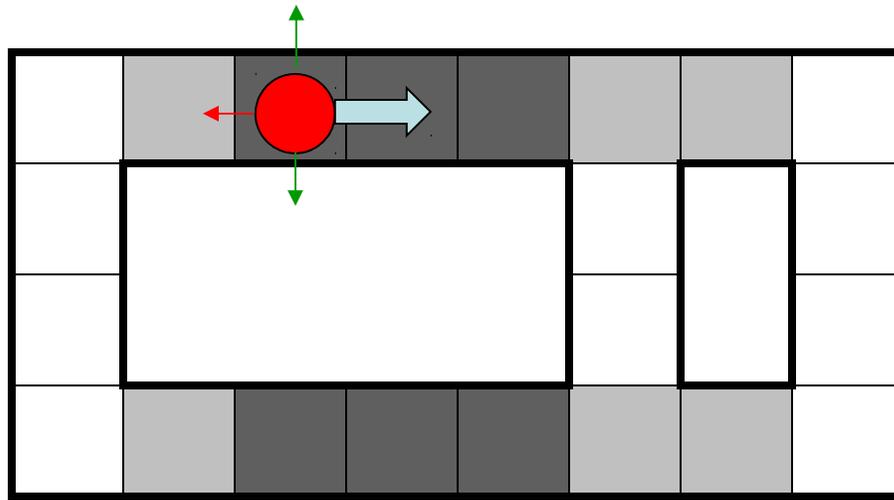
1

$t=1$

Lighter grey: was possible to get the reading, but less likely b/c required 1 mistake



Example: Robot Localization

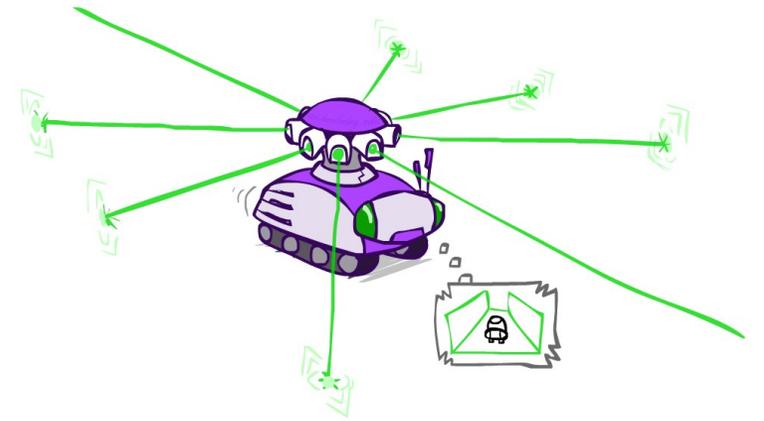


Prob

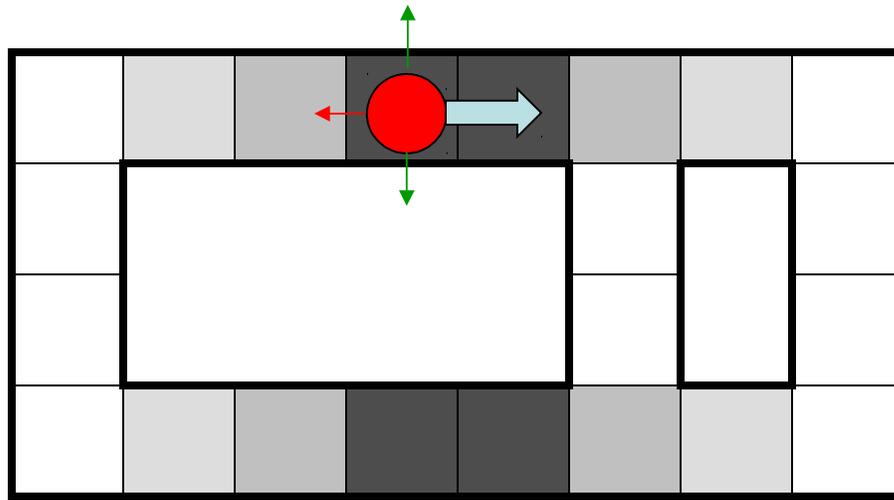
0

1

t=2



Example: Robot Localization

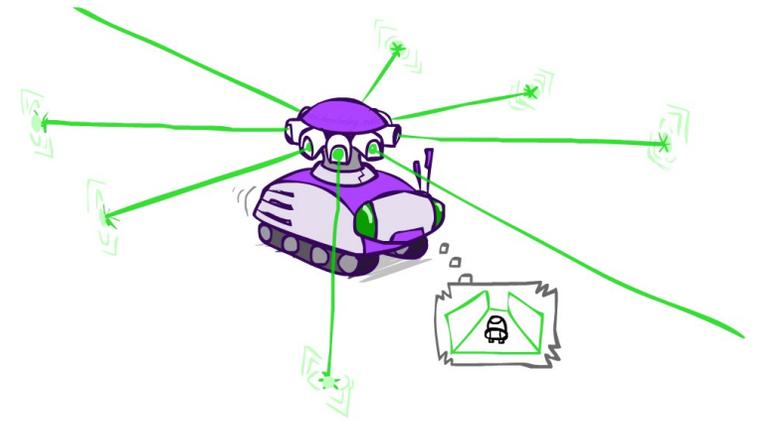


Prob

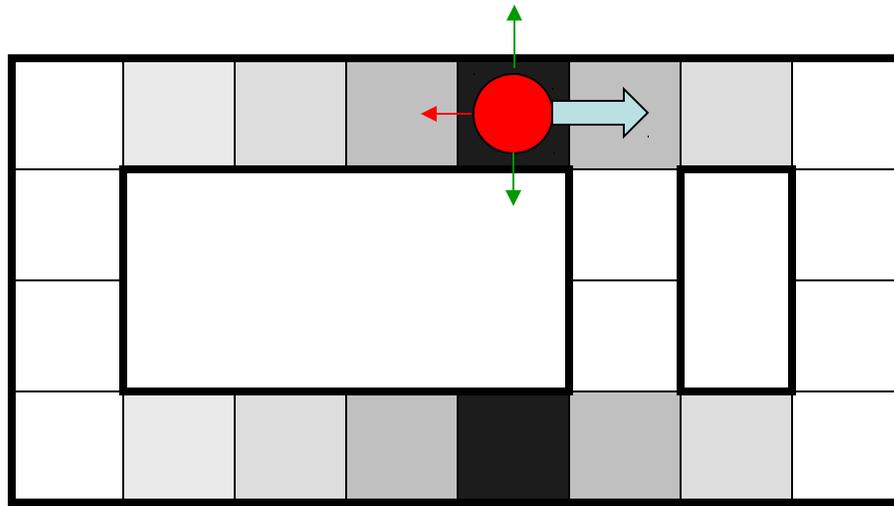
0

1

$t=3$



Example: Robot Localization

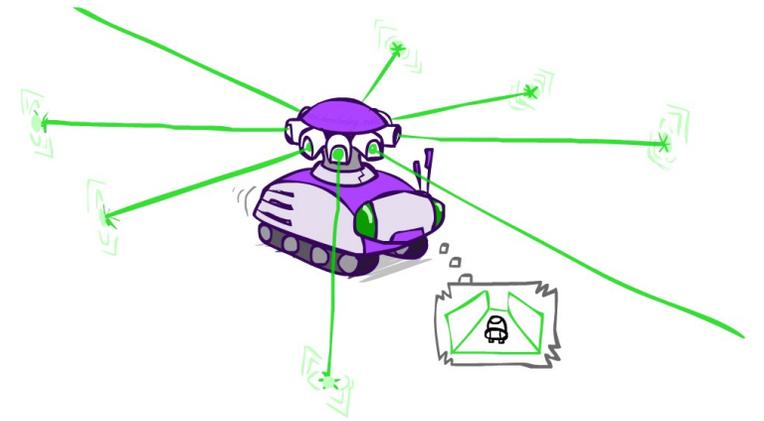


Prob

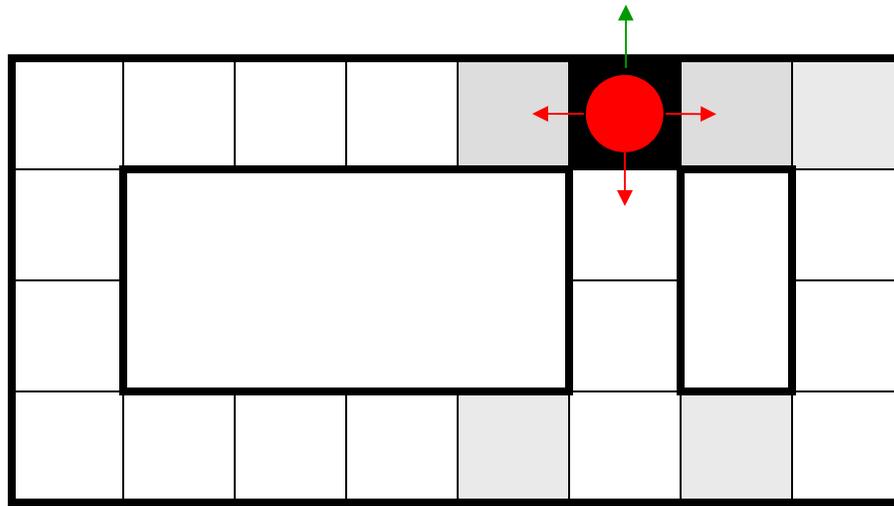
0

1

$t=4$



Example: Robot Localization



Prob

0

1

$t=5$

