

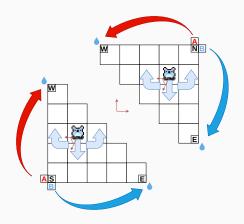
# Implementation discussion

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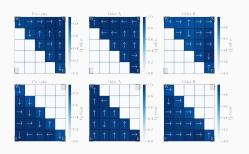
#### Should there be a backward action?

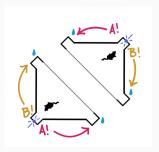


### What should be part of the state?

→ Should head direction be part of the state?

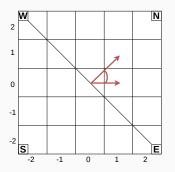
## Tiles on the diagonal

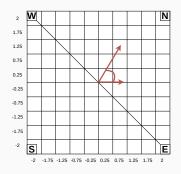




### Length rounding in polar coordinates?

- For step 1 tiles
- For step 0.5 tiles





#### Which architecture for the network?

- 2 tasks (East/West & Left/Right)
- · upper/lower triangle
- 4 head directions
- 5 discretized x coordinates (Cartesian)
- 5 discretized y coordinates (Cartesian)
- 360 discretized angles (polar)
- 50 discretized lengths (polar)