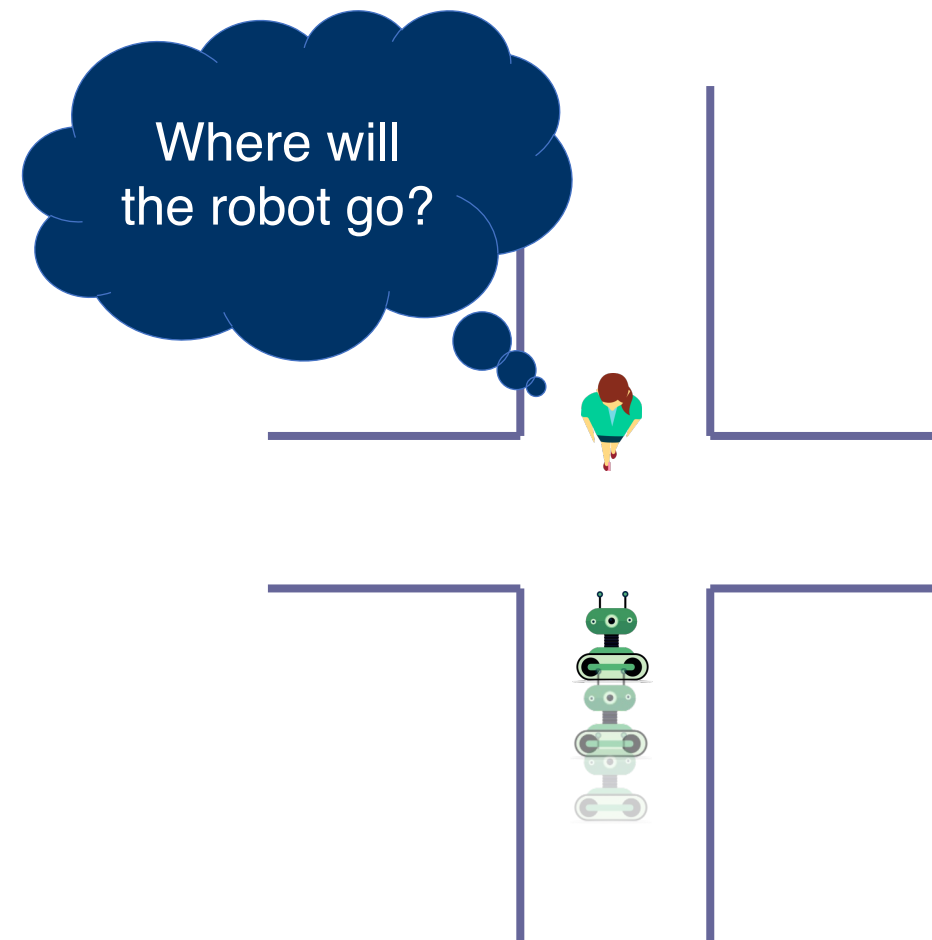
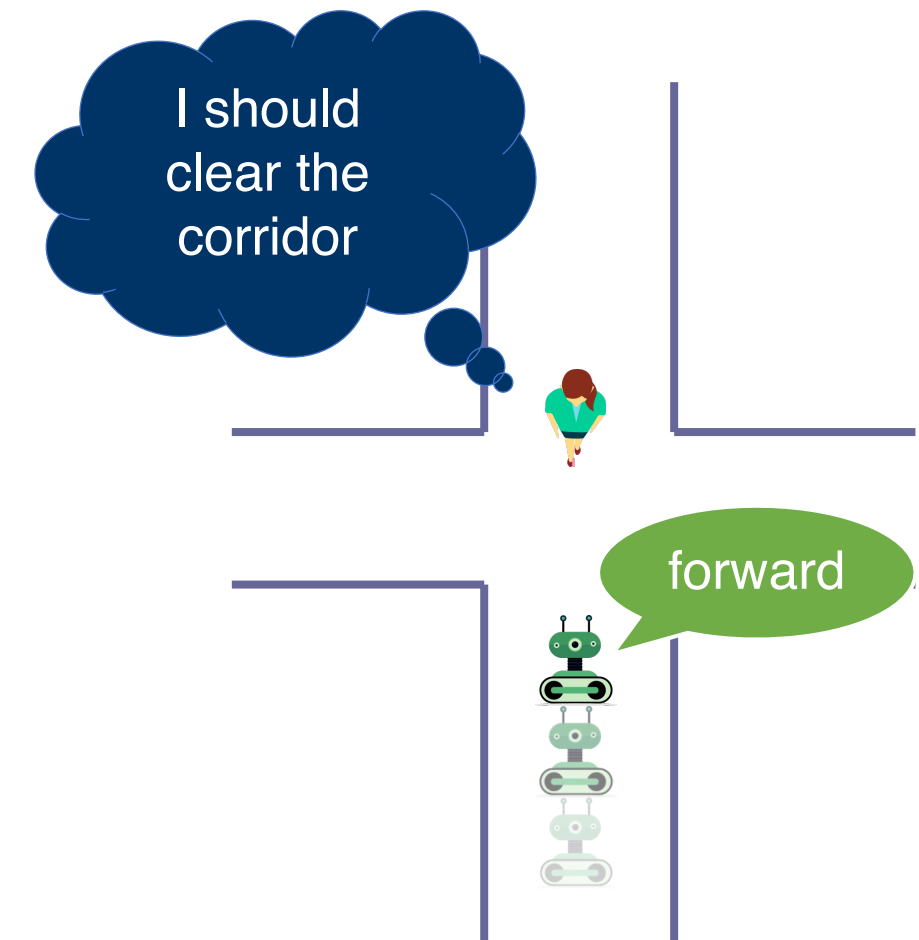


Robot's motion may communicate implicitly in sparse environments.



In confined environments, robot's motion cannot reveal its future intentions.



Explicit communication enriches human-robot interaction.