

RL Assignment 1

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Q1. In solving different examples, we can involve explicit goals so that agent can judge progress. Now answer if the agent can consider implicit goals and if so, how? Mention important elements that we also need to consider.

A1. Explicit goal involves controlled or conscious information processing and propositional reasoning, and implicit goal motives concern automatic or non-conscious information processing.

For example, I'm going to train a robot to find apple trees, it has many ways to find apple trees, walking, running and jumping, but the ideal case is to walk or run. In this situation, I should try to consider whether the robot's feet touch the ground.

If it keeps sticking, points will be deducted. If not, points will be added. I can also consider whether the robot's body has touched the ground, and points will be deducted if it touches the ground. Prevent the robot from rolling on the ground and guide the robot to run.