Q learning for grid world

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In this class, we have learned several learning algorithms (e.g., Q-learning, Monte Carlo, dynamic programming, double Q-learning, TD, SARSA and others). You are free to pick up **three algorithms** and implement on a grid world goal searching problem.

- 1. Choose three algorithms you are going to implement and provide their pseudo code
- 2. Design your own grid world example (should be bigger than 3*2)
- 3. Show your goal searching process with <u>step-to-go curve</u>, <u>sum of squared error</u> and/or <u>theoretical value</u>

