

Belief tree search

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Research in reinforcement learning has produced algorithms for (near) optimal decision making under uncertainty. In a lot of problem settings within the Bayesian/decision theoretic reinforcement learning framework, this requires performing planning in the form of a dynamic programming task on a tree with a potentially infinite number of states. This occurs in problems in which either the state of the environment or its nature are uncertain. This talk will discuss current research and open problems in the area.