

CSE 415  
Project Milestone B  
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For our project we are implementing a feature based Q-learning algorithm for the 2x2x2 Rubik's cube. The implementation of feature based Q-learning that we are using is feature based SARSA. For this algorithm, the Q values are approximated by a set of weights multiplied by certain known potentially successful features of the cube. Our implementation currently has a working (although not very effective) algorithm and a problem formulation that produces successors from the starting state. Our plan for the next few days is to refine this algorithm and fine tune it so that it can find a solution to the problem formulation.