Question 1, Assignment 12, CME 241 - Pablo Veyrat, pveyrat@stanford.edu

You will find the code for this question in the RL-book/Assignment12/assignment12_code.py file along with some comments.

Question 2, Assignment 12, CME 241 - Pablo Veyrat, pveyrat@stanford.edu

You will find the code for this question in the RL-book/Assignment12/assignment12_code.py file along with some comments.

che 241: Assignment 12: Problem 3:

Let us prove that the $\Omega(error can be written as the sum of discounted the errors.

We will work on the expression: <math>E = \sum_{v=1}^{r-1} \int_{v-1}^{v-1} \left(\lim_{v \to 1} \int_{v}^{v} V(S_{v+1}) - V(S_{v}) \right)$ $E = \sum_{v=1}^{r-1} \int_{v-1}^{v-1} \lim_{v \to 1} \int_{v-1}^{v-1} \int_{v$

Using the code in RL-book/Assignment12/assignment12_code.py and my Tabular implementation of the TD(λ) Prediction algorithm, I got the following graph of convergence for different values of λ .



