

CSI 460 — Artificial Intelligence  
Assignment #3, Due 10/12

- Generate many (at least 1000) instances of the 8-queens problem such that there is one queen in each column.
- Solve this problem using hill-climbing, hill-climbing with random restarts and simulated annealing. You may use the heuristic provided in the book (See Figure 4.12).
- Measure the search cost and percentage of solved problems and graph these against the optimal solution cost.
- Comment on your results.