Mandatory Assignment 1

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A. Weighted A* corresponds to:

- When w = 1, weighted A* corresponds to greedy best-first search: h(n)
- When w = 0.5, weighted A* corresponds to normal A* search: g(n) + h(n)

B. We know that we use an admissible heuristic, thus we know that A^* search is the optimal algorithm, meaning that the algorithm always find a least-cost solution. To get a A^* search, we have to give the weighted A^* algorithm W = 0.5. This means that 0.5 is the value in which the weighted A^* is optimal.