**Exercise 2 Guidelines**

**Before you go to Exercise 2, go through Exercise 1 Just understand the written code, and how it is a solution to exercise.**

**The main idea of Exercise 2 is for you to be impressed by the running of Algorithm A\*, and the effect of the chosen heuristics on Run time**

**(depending on the number of scanned modes).**

**During the exercise, you will test three heuristics, each running for two values ​​of n – 4,3 (Game board size).**

**The first heuristic is 0. Notice, using this heuristic means that we actually run the**

**Uniform cost algorithm. Make sure you understand why!**

**Four python code files should be put in the submission box: search, state, frontier, stack. even if you didn’t change all the files, all of them must be submitted. Also, a word file in which you write the output, that you have received, and the conclusions, as required in the exercise.**