

# Artificial Intelligence: Assignment 1

Due date: September 3 (Tuesday)

## Problem 1 (4 points)

Read Chapters 1 and 2 of the textbook and answer the following two questions:

- (a) Give your own definition of Artificial Intelligence.
- (b) Imagine that the speed and memory of computers became 1000 larger. Which AI problems would become trivial due to this increase, and which would not get any easier?

## Problem 2 (6 points)

Implement a program for solving the *n-queen problem* (see page 64 of the textbook). Your program must input a natural number  $n$  and output a placement of  $n$  queens on the  $n \times n$  chess board, in such a way that no queen attacks any other.