Assignment 1

Algorithm Design and Machine Learning Course (CS60020)

January 2017

- 1. Given a sorted Array A and and interval [a, b] write the best possible algorithm you can think of to compute the number of elements in the interval.
- 2. You are given an array A[0,1,...n-1] storing exactly n of the n+1 integers 0,1,2...n. That means that exactly 1 integer x in the range 0,1...n is missing in A. Given that A is sorted in ascending order give an algorithm which will find x in the least possible number of computations.