Advanced Data Structures (Jan-Apr 2012)

Problem Sheet 3 Due Date: March 12, 2012

1. To get an understanding of hashing and van Emde Boas trees, do Problem 20-1 in the third edition of the book by Cormen, Leiserson, Rivest and Stein. The aim is to analyze the space requirement of van Emde Boas trees and suggest ways to improve the space to a function of the number of elements (from a function of the size of the universe).