

CS5114 Spring 2014 Homework Assignment 5
Due Thursday, February 27 at 11:00pm
50 points

1. Manber 6.48
2. Manber 6.50
3. Prove that there is no comparison-based sort whose running time is linear for at least half of the $n!$ inputs of length n . What about a fraction of $1/n$ of the inputs of length n ? What about a fraction of $1/2^n$?