

CS 362, HW3

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Due: March 6th

1. Exercise 15.4-1
2. Exercise 15.4-5 (note: monotonically increasing means non-decreasing, e.g. 1, 2, 2, 4, 5, 5, 7)
3. Exercise 16.1-1
4. Exercise 16.1-4
5. Exercise 16.2-5
6. Exercise 17.1-2
7. Exercise 17.1-3
8. Exercise 17.2-3
9. Exercise 17.3-2
10. Exercise 17.3-7 - Make sure you *prove* that your data structure takes $O(m)$ time on any sequence of m operations. Hint for this problem: recall that you can find the median of a set of n numbers in $O(n)$ time (see Chapter 9)