CS 361, HW3

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"Our greatest weariness comes from work not done" - Eric Hoffer

- 1. Draw the recursion tree for T(n) = 4T(n/2) + cn where c is a constant and provide a tight asymptotic bound on its solution. Verify your bound by the substitution method.
- 2. Exercise 4.3-1
- 3. Exercise 4.3-2
- 4. Exercise 4.3-3
- 5. Exercise 4.3-4
- 6. Problem 4-1 (hint for part h: read the "Changing Variables" section in Chapter 4.1)
- 7. Extra Credit: Problem 4-6