Introduction To Algorithms CS430

Spring 2013 HomeWork 6 Due 4th March

- Problem 1: Problem 13-3 (Pg 333) CLRS(3rd Edition).
 (20)
- 2. Problem 2: Implement 2-4 Trees (Due on 11th March) (40)
- 3. **Problem 3:** In chained Hashing (where collisions are resolved by adding keys into a linked list), suppose the linked list is replaced by a red-black tree. Determine the expected time for successful and unsuccessful search. (20)
- 4. **Problem 4:** Suppose the hash function $[h_1(k) + ih_2(k)] \mod m, i = 0, 1, ...$ repeats a location at the jth step, j < m. Will the hashing function generate m different locations. (20)