

MIDTERM Wednesday March 14

IN CLASS

CLOSED BOOK (1 page of notes allowed)

Textbook chaps. 6-15, Lectures, assignments

insertion sort

selection sort

bubble sort

shellsort

pointer sorting

quicksort

mergesort

heapsort

binomial queues

binary quicksort

distribution counting

MSD radix sort

LSD radix sort

radix 3-way quicksort

Batcher's mergesort

linear search

binary search

interpolation search

BSTs

root insertion BSTs

2-3-4 trees

red-black trees

randomized BSTs

hashing

separate chaining

linear probing

double hashing

tries

Patricia

skip lists

Sample question: Give the result of alg X running on input Y