

Homework 3

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Due **Wed., Feb. 27** at **9:00pm**.

Collaboration Policy: Your work on this assignment must be your own. You *may not* copy files from other students in this class, from people outside of the class, from the internet, or from any other source. You *may not* share files with other students in this class.

You *may* discuss the problems, concepts, and general techniques used in this assignment with other students, so long as you do not share actual solutions.

If you are in doubt about what you *may* and *may not* do, ask the course instructor before proceeding. If you violate the collaboration policy, you will receive a zero as your grade for this entire assignment and you will be reported to OSCCR (northeastern.edu/osccr).

1. Implement sets with the following operations:

(empty-set) : *Set*

(in? *Number Set*) : *Boolean*

(insert-into *Number Set*) : *Set*

(remove-from *Number Set*) : *Set*

2. Associative map representation.
3. Copyable, extensible sequence representation.
4. Catenable deque representation.