

# CmpSci 187 Discussion #7: Using Deques

## Pair Response Sheet

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9 March 2015

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The exercises today concern using (but not implementing) deques.

**Question 1:** Write the elements in order, such that elements added earlier are to the right of elements added later. Place a small number above each element to show the order it was added. Draw a single line through elements that are removed, and place a small number below them to show the order in which they were removed.

**Question 2:** `DequeStack<T>` and `DequeQueue<T>`

**Question 3:** `DequeClass<T>.switchLastTwo()`

**Question 4:** `Stack<T>.switchLastTwo()`

Is it  $O(1)$ ?

**Question 5:** `Queue<T>.switchLastTwo()`

Is it  $O(1)$ ?