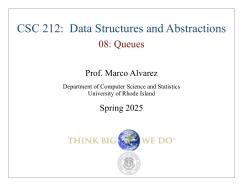
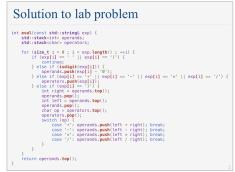
4/2/25, 12:37 PM OneNote

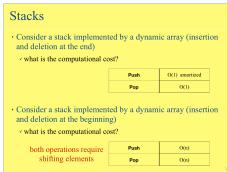
Queues2

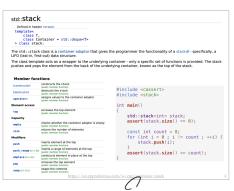
Wednesday, April 2, 2025 12:23 PM





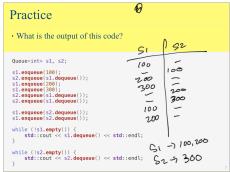


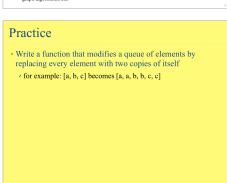




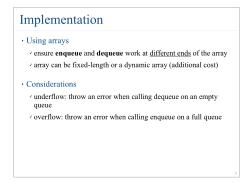


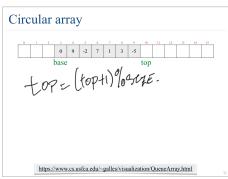


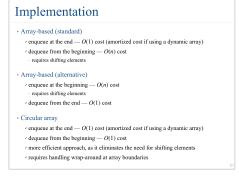




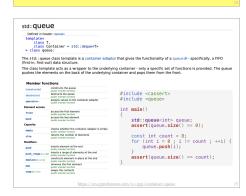
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Practice Design an algorithm to: load a number of audio files (songs) play them in a continuous loop Los (i=140)! O. ENDUBUE (LOAD PHE) While (i) F. O. Dequeue PLANT (F) O. ENQUÉ (F)

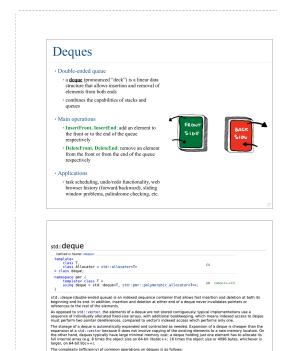


Practice

- Write an algorithm to reverse the order of elements of a queue (hint: can use a separate stack)
- Write an algorithm that accepts a queue of elements and appends the queue's contents to itself in reverse order (hint: can use a separate stack)
- ✓ for example: [a, b, c] becomes [a, b, c, c, b, a]

Deques

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larger, on 64-bit lbc++).

The complexity (efficiency) of common operations on deques is as follows:

Random access - constant \(\text{CI} \)).

Insertion or removal of elements at the end or beginning - constant \(\text{CI} \)).

Insertion or removal of elements - linear \(\text{CI} \)).

