Note Tit	S180 - Stacks a Queues
_ Note III	912012012
	Announcements_
	- HW due Sunday.
	- Next HW will be up today.
	on stacks.
	- Midterm will be week after rext.

Last time: Stricks
Two versions of code up.

Array based
From outside, just like STL.

LIFO last in first out Underlying data will be kept linked list, not an array. Holude "Stinked list, h" private:

O for stacks Linked structureuse SIZe: 0(1)

due ne British for what word? ine FITFO first in first out

Templating again

- Underlying structure is really a list
with some functionality - Private data: Darray - based Dinted-based
Gan't use SLinked List

Functions

- Size

- empty

- pop

- top

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Array Queues

- We must wrap around! Why?

Front 5 whack

Two options - A lot of of statements - Modular arithmetic: remainders x % y : remainder when x is divided by y x % 2 = 0 if x 15 even

f apacid Signester than no this will "warp around". (f+1) 2/0 n d Que ves