Announcements
- HW due tomorrow night
- Next HW up today
- Midterm is a week from Friday
  (review in class next Thursday)
Rekap of runtimes: \textbf{Stacks/Queues}

- \texttt{push/pop/topfront} \leq \bigO(1)

"Hidden" cost: \bigO(n) to delete for linked versions but linked versions have unlimited capacity
Vectors
Similar to lists in python

myvector = [5]  # Index 0
myvector.insert(12, 5)

Extendable:
Code:

```
private data:
  int _size;
  int _capacity;
  Object* _data;
```

Functions:
(see STL)
- operator[]
- insert

in constructor:
```
data = new Object[_capacity];
```
Insert

myvec. insert (2, 'c');
othervec. insert (11, "new");
anothervec. insert (7, -25);

How to insert?
(What if full?)
Erase

- take an index & delete that element

Ex: myVec.erase(3)

data → \[ \overline{\text{7, -1, 3, 12, 5, 26, 11}} \]
Another: Operator []
