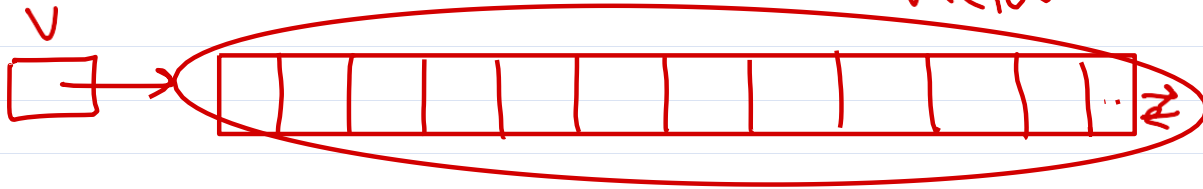# Vector vs ArrayList vs LinkedList
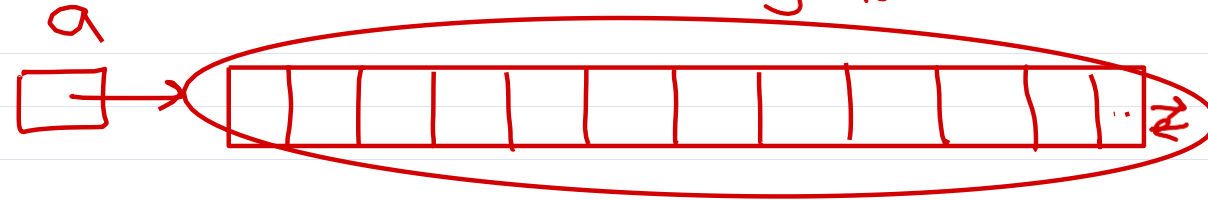
Vector v = new Vector();

* Dynamically growable/shrinkable array.
* Synchronized class / slower
* Legacy (1.0)   * growth = 2 * capacity

Vector
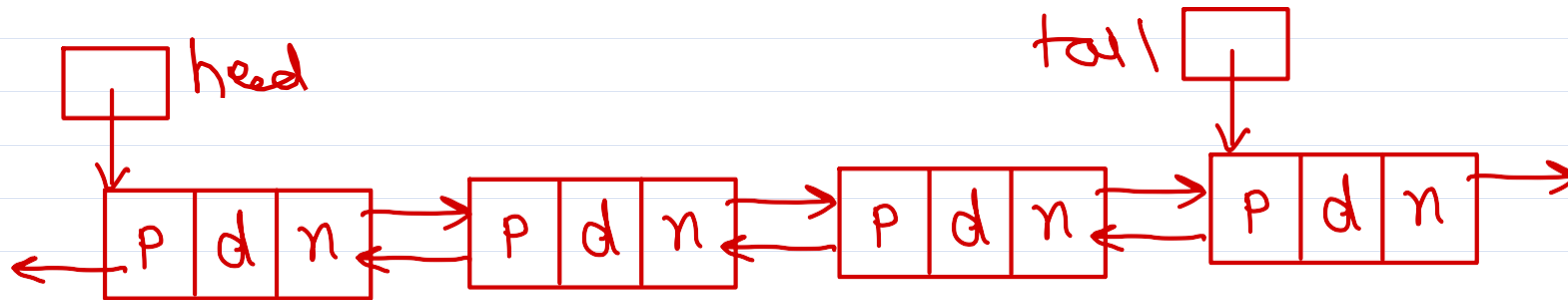
ArrayList a = new ArrayList();

* Dynamically growable/shrinkable array.
* Non-synchronized / Faster
* Collection framework (1.2)
* growth = 1.5 * capacity

ArrayList

LinkedList l = new LinkedList();

head   tail

* Doubly Linked List
* frequent add/delete op.
* slower random access.
* Inherited from List, Queue