Arrays

Big O:

- space O(n)

- time

  - access worst O(1), average O(1)
  - search worst O(n), average O(n)
  - insert worst O(n), average O(n)
  - delete worst O(n), average O(n)

ArrayList (Dynamically Resizing Array):

```java
public ArrayList<String> merge(String[] words, String[] more) {
  ArrayList<String> sentence = new ArrayList<String>();
  for (String w : words) sentence.add(w);
  for (String w : more) sentence.add(w);
  return sentence;
}
```

Notes:

- Index starts with 0