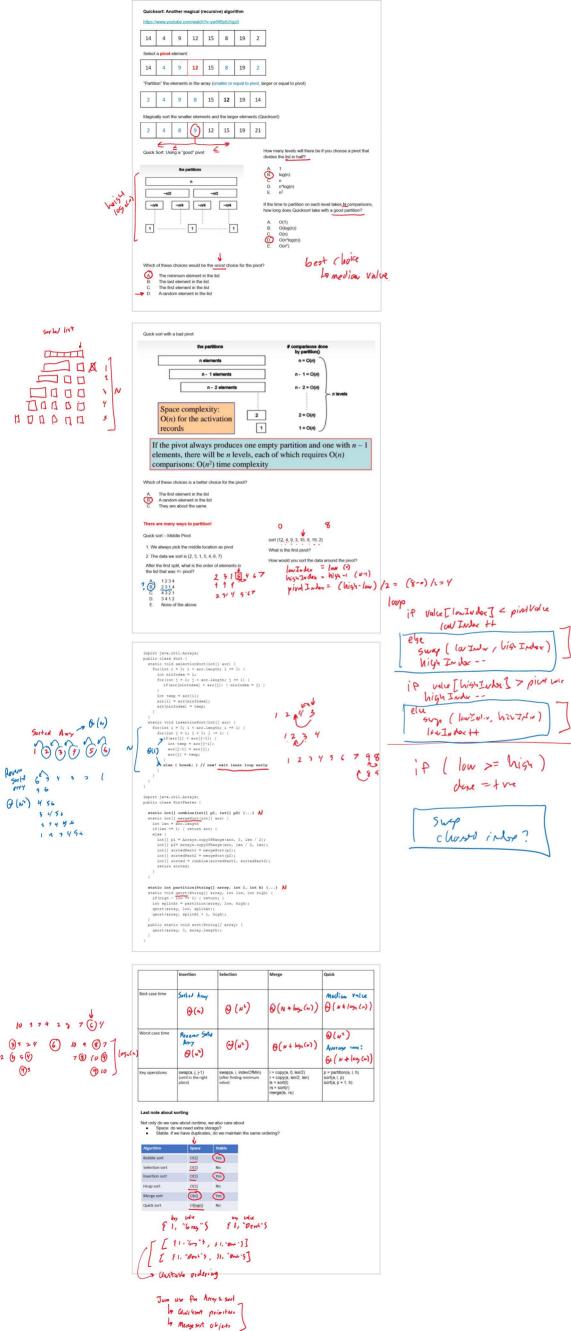
```
Sorting Quickly
    public class SortOuickly {
Q(/) public static void swap(String[] array, int i1, int i2) {
        String temp = array[i1];
        arrav[i1] = arrav[i2];
        arrav[i2] = temp;
      public static int partition (String[] array, int low, int high) {
    int pivotStartIndex = high - 1;
        String pivot = arrav[pivotStartIndex];
        int smallerBefore = low, largerAfter = high - 2;
        while (smallerBefore <= largerAfter) {
          if (array[smallerBefore].compareTo(pivot) < 0) {
            smallerBefore += 1:
          else (
            swap (array, smallerBefore, largerAfter);
            largerAfter -= 1;
        swap(array, smallerBefore, pivotStartIndex);
        return smallerRefore:
      public static void qsort(String[] array, int low, int high) {
        if (high - low <= 1) { return; }
      int splitAt = partition(array, low, high);
        gsort(array, low, splitAt);
        qsort(array, splitAt + 1, high);
      public static void sortD(String[] array) {
        qsort(array, 0, array.length);
      public static void main (String[] args) {
        String[] str = {"f", "b", "a", "e", "d", "c" };
        int[] result = SortQuickly.sortD(str);
        System.out.println(Arrays.deepToString(result));
```



(a) = 8 + 8 9 4 15 8 19 2 (3) (3) (3)