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quickSort(v, 0, v.length - 1)

```
p = 0, r = 5, pivo = 3
      quickSort(v, p, pivo - 1)
        p = 0, r = 2, pivo = 0
          quickSort(v, p, pivo - 1)
            p = 0, r = -1
           return
          quickSort(v, pivo + 1, r)
            p = 1, r = 2, pivo = 2
              quickSort(v, p, pivo - 1)
                p = 1, r = 1
                return
              quickSort(v, pivo + 1, r)
                p = 3, r = 2
                return
           return
      return
     quickSort(v, pivo + 1, r)
        p = 4, r = 5, pivo = 4
         quickSort(v, p, pivo - 1)
            p = 4, r = 3
            return
           quickSort(v, pivo + 1, r)
            p = 5, r = 5
           return
      return
return
```

```
int [] V = {5, 8, 2, 1, 7, 4};

public static void quickSort(int[] v, int p, int r) {
    if (p < r) {
        int pivo = particao(v, p, r);
        quickSort(v, p, pivo - 1);
        quickSort(v, pivo + 1, r);
    }
}</pre>
```