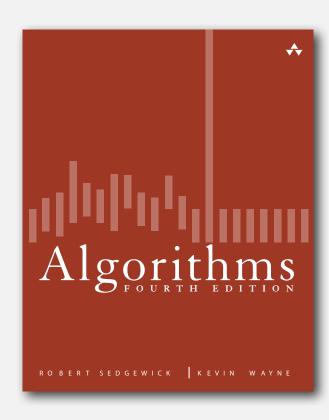
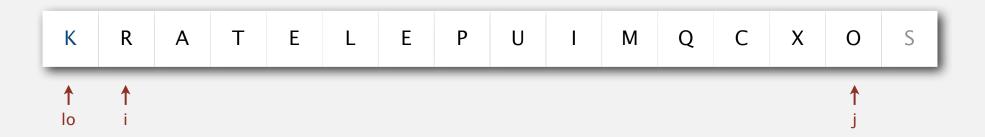
SEDGEWICK 2-WAY PARTITIONING



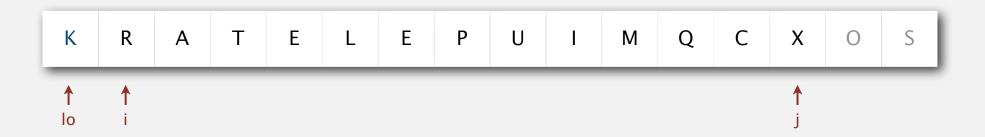
- Scan i from left to right so long as a[i] < a[10].
- Scan j from right to left so long as a[j] > a[10].
- Exchange a[i] with a[j].



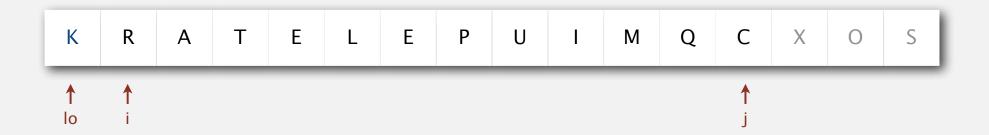
- Scan i from left to right so long as a[i] < a[10].
- Scan j from right to left so long as a[j] > a[10].
- Exchange a[i] with a[j].



- Scan i from left to right so long as a[i] < a[10].
- Scan j from right to left so long as a[j] > a[10].
- Exchange a[i] with a[j].



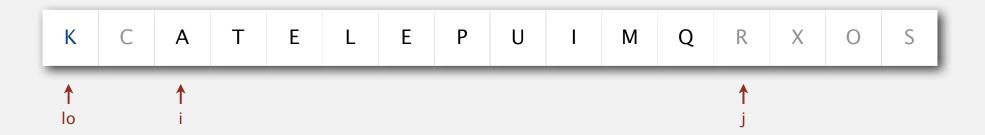
- Scan i from left to right so long as a[i] < a[10].
- Scan j from right to left so long as a[j] > a[10].
- Exchange a[i] with a[j].



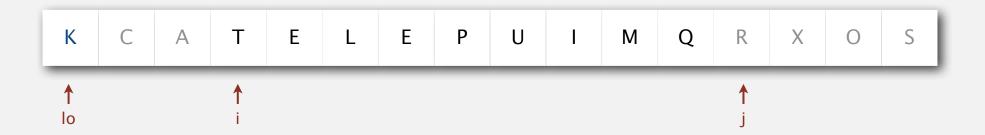
- Scan i from left to right so long as a[i] < a[10].
- Scan j from right to left so long as a[j] > a[10].
- Exchange a[i] with a[j].



- Scan i from left to right so long as a[i] < a[10].
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- Scan i from left to right so long as a[i] < a[10].
- Scan j from right to left so long as a[j] > a[10].
- Exchange a[i] with a[j].



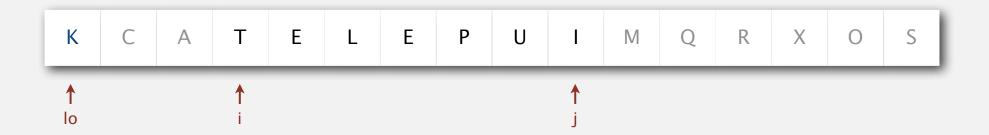
- Scan i from left to right so long as a[i] < a[10].
- Scan j from right to left so long as a[j] > a[10].
- Exchange a[i] with a[j].



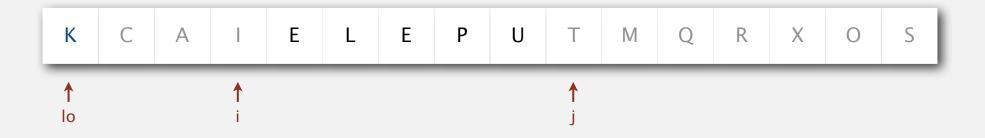
- Scan i from left to right so long as a[i] < a[10].
- Scan j from right to left so long as a[j] > a[10].
- Exchange a[i] with a[j].



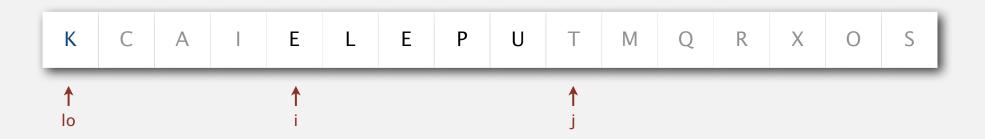
- Scan i from left to right so long as a[i] < a[10].
- Scan j from right to left so long as a[j] > a[10].
- Exchange a[i] with a[j].



- Scan i from left to right so long as a[i] < a[10].
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- Scan i from left to right so long as a[i] < a[10].
- Scan j from right to left so long as a[j] > a[10].
- Exchange a[i] with a[j].



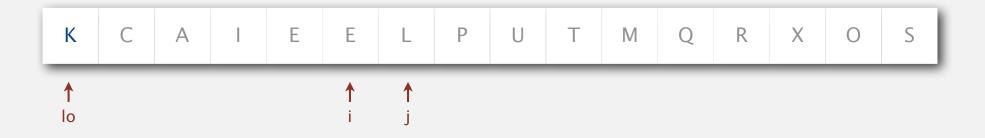
- Scan i from left to right so long as a[i] < a[10].
- Scan j from right to left so long as a[j] > a[10].
- Exchange a[i] with a[j].



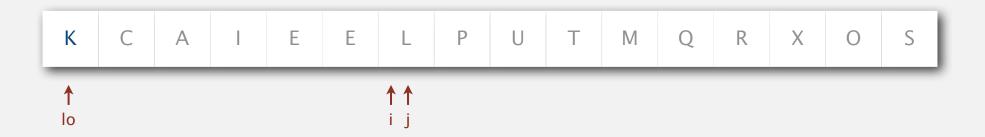
- Scan i from left to right so long as a[i] < a[10].
- Scan j from right to left so long as a[j] > a[10].
- Exchange a[i] with a[j].



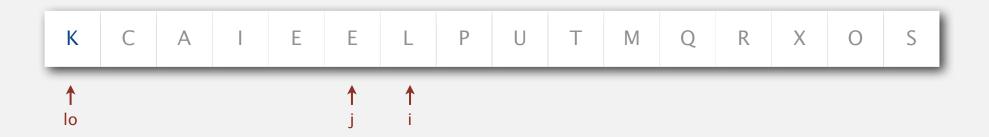
- Scan i from left to right so long as a[i] < a[10].
- Scan j from right to left so long as a[j] > a[10].
- Exchange a[i] with a[j].



- Scan i from left to right so long as a[i] < a[10].
- Scan j from right to left so long as a[j] > a[10].
- Exchange a[i] with a[j].



- Scan i from left to right so long as a[i] < a[10].
- Scan j from right to left so long as a[j] > a[10].
- Exchange a[i] with a[j].



Repeat until i and j pointers cross.

- Scan i from left to right so long as a[i] < a[10].
- Scan j from right to left so long as a[j] > a[10].
- Exchange a[i] with a[j].

When pointers cross.

• Exchange a[10] with a[j].



Repeat until i and j pointers cross.

- Scan i from left to right so long as a[i] < a[10].
- Scan j from right to left so long as a[j] > a[10].
- Exchange a[i] with a[j].

When pointers cross.

• Exchange a [10] with a [j].

