QUICK SORT

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Algorithm Partition(A, low, high)
     pivot := A[low];
     i := low;
     j := high;
     while(i < j) do
           while(A[i] <= pivot) do</pre>
                 i := i + 1;
           while(A[j] > pivot) do
                 j := j - 1;
           if(i < j) then
                 swap(A[i], A[j]);
     swap(A[low], A[j]);
     return(j);
}
Algorithm QuickSort(A, low, high)
     if(low < high) then
           j := Partition(A, low, high+1);
           QuickSort(A, low, j-1);
           QuickSort(A, j+1, high);
      }
}
```