
Algorithm 3.1.21 Sort the first three terms in a sequence of integers

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1: procedure PARTIAL SORT( $a_1, a_2, \dots, a_n$ : sequence of integers)
2:   for  $i = 1$  to 2 do                                 $\triangleright$  Bubble Sort  $a_1, a_2, a_3$  and then stop
3:     for  $j = 1$  to 2 do
4:       if  $a_j > a_{j+1}$  then
5:         swap  $a_j$  and  $a_{j+1}$ 
6:       end if
7:     end for
8:   end for
9:   return  $a_1, a_2, \dots, a_n$ 
10: end procedure
```
