
Algorithm 3.1.17 Find the position for the first largest entry from a finite list of integers

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1: procedure FIRST MAX( $a_1, a_2, \dots, a_n$ : finite list of integers)
2:    $location \leftarrow 1$ 
3:    $maximum \leftarrow a_1$ 
4:   for  $i = 2$  to  $n$  do
5:     if  $a_i > maximum$  then
6:        $location \leftarrow i$ 
7:        $maximum \leftarrow a_i$ 
8:     end if
9:   end for
10:  return  $location$ 
11: end procedure
```
