Example of how to use Algorithm2e

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Algorithm 1: MAX finds the maximum number

Input: A finite set $A = \{a_1, a_2, \ldots, a_n\}$ of integers
Output: The largest element in the set

1   $max \leftarrow a_1$
2   **for** $i \leftarrow 2$ **to** n **do**
3   **if** $a_i > max$ **then**
4       $max \leftarrow a_i$

5   **return** max