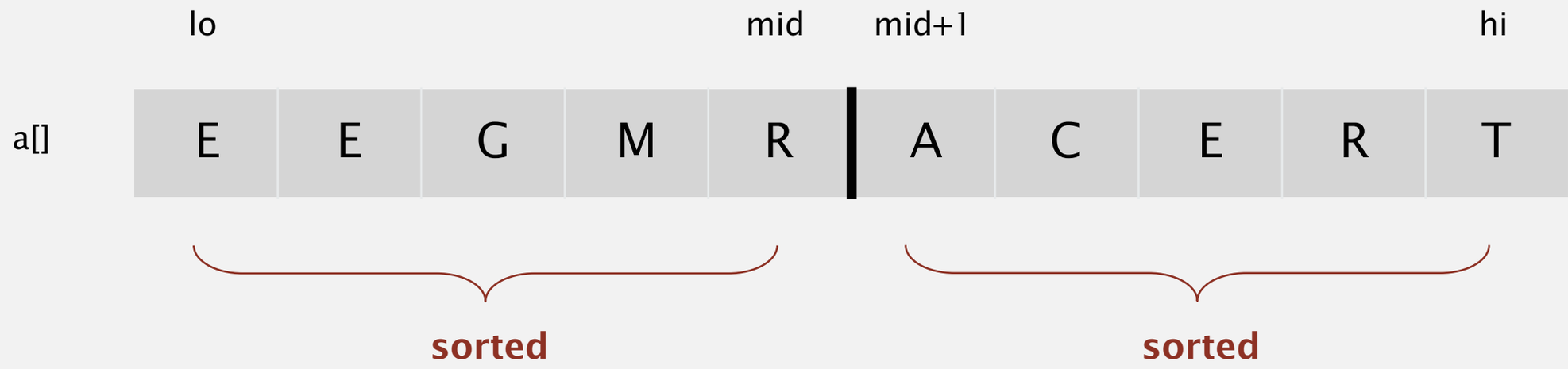
http://algs4.cs.princeton.edu

2.2 MERGING DEMO

Merging demo

Goal. Given two sorted subarrays `a[lo]` to `a[mid]` and `a[mid+1]` to `a[hi]`, replace with sorted subarray `a[lo]` to `a[hi]`.



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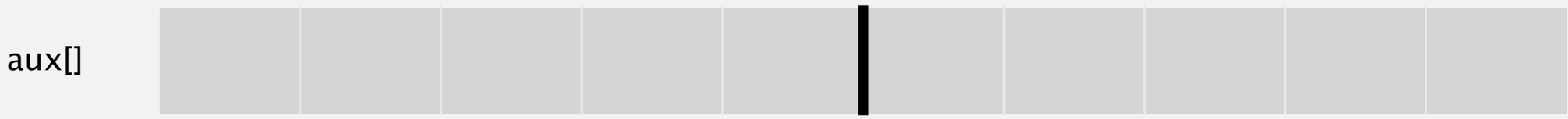
copy to auxiliary array



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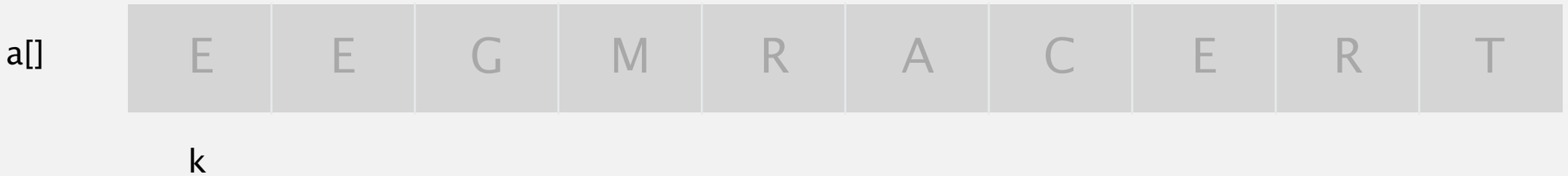
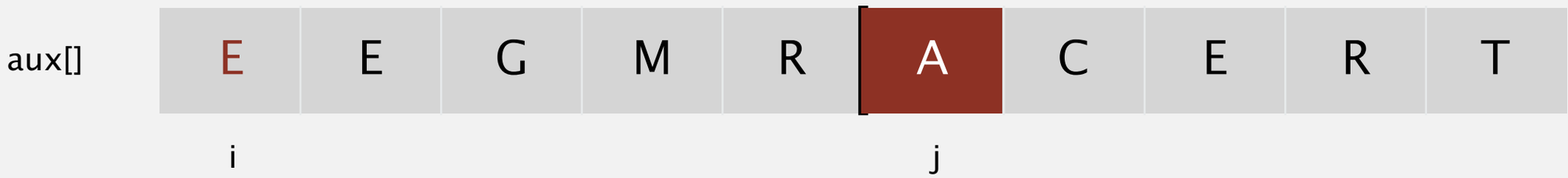


compare minimum in each subarray



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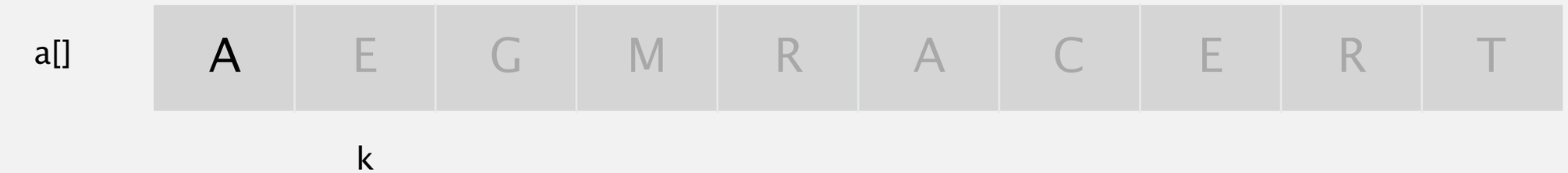

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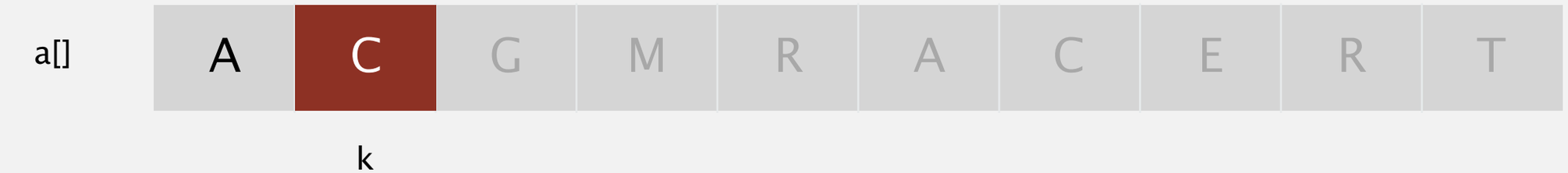

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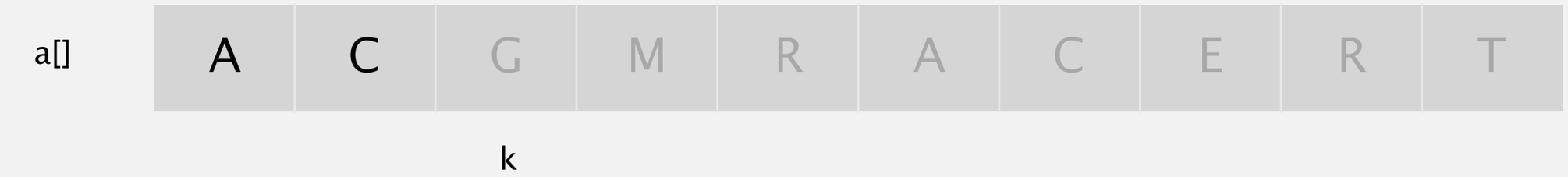

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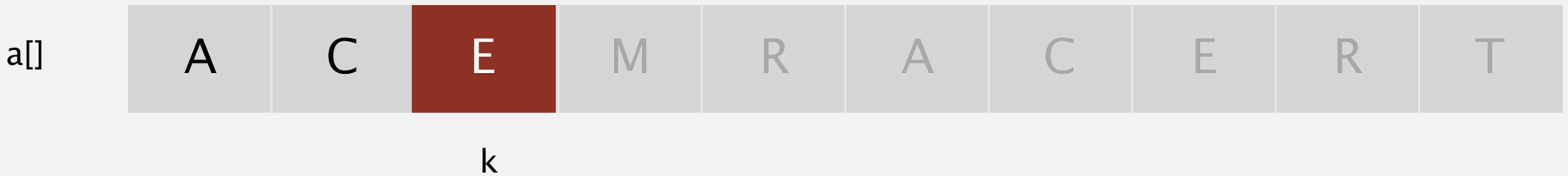

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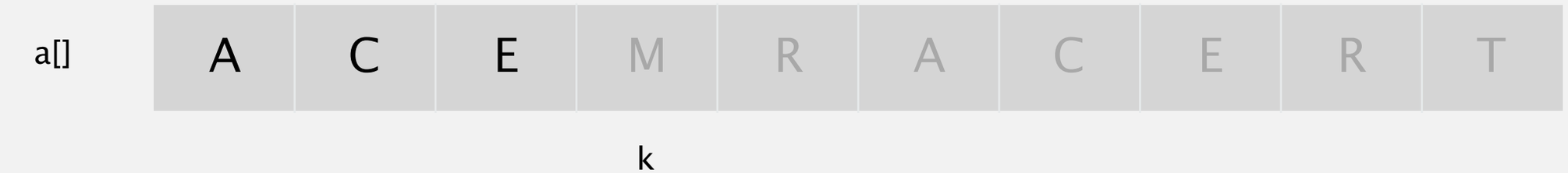

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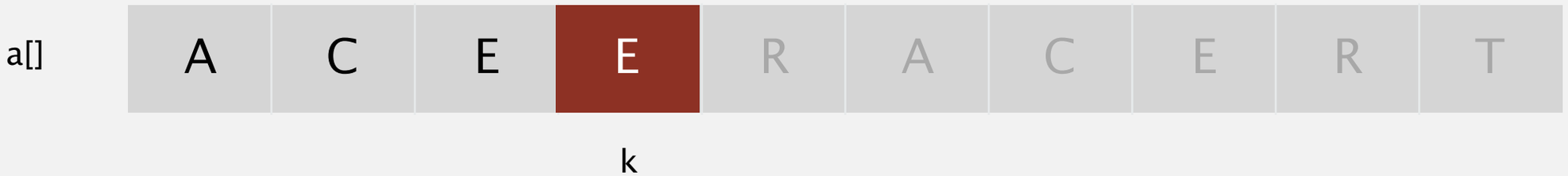

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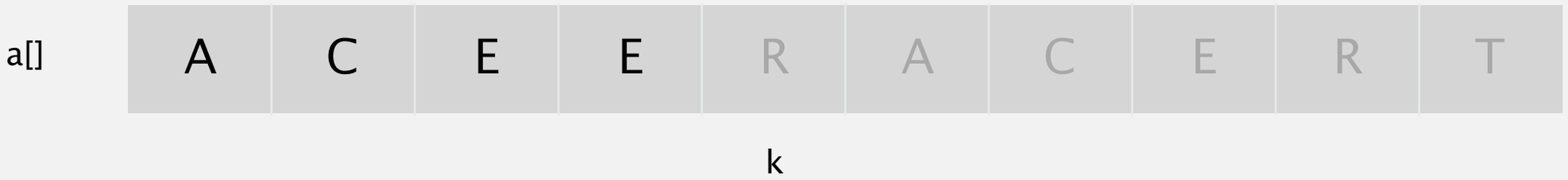

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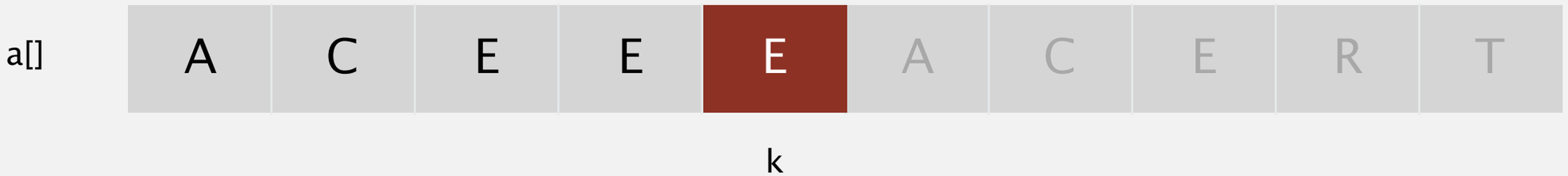

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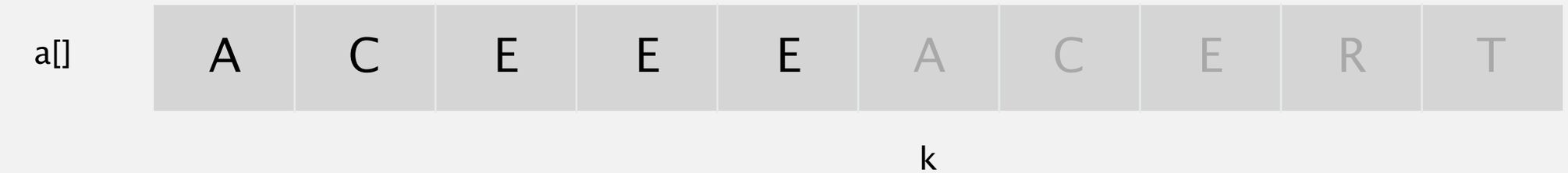

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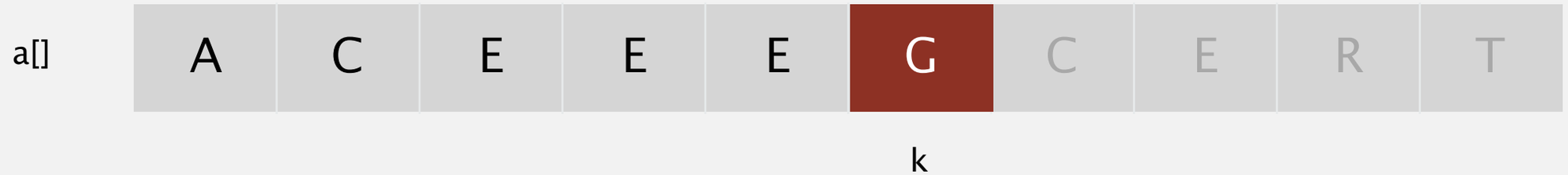

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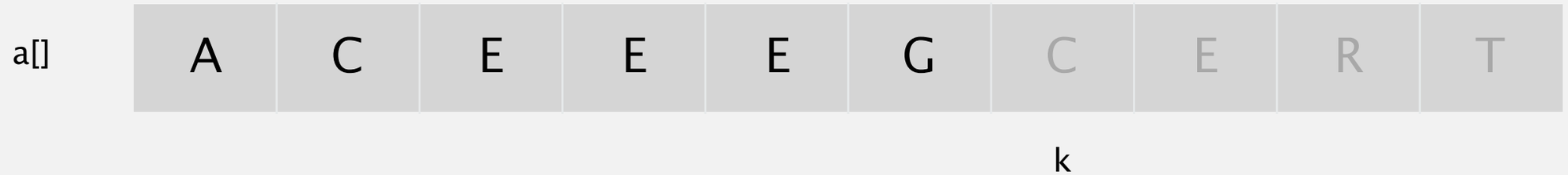

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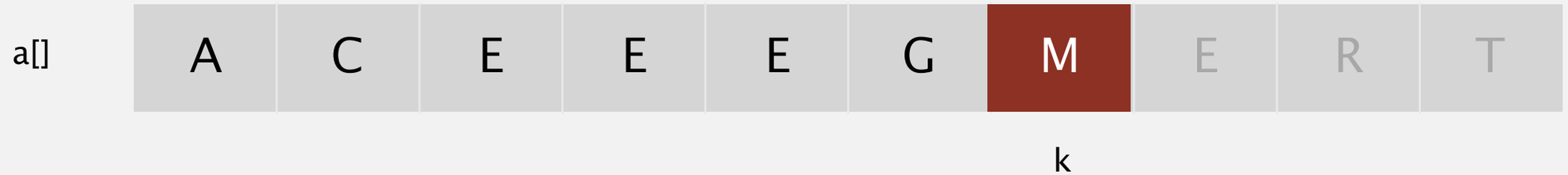

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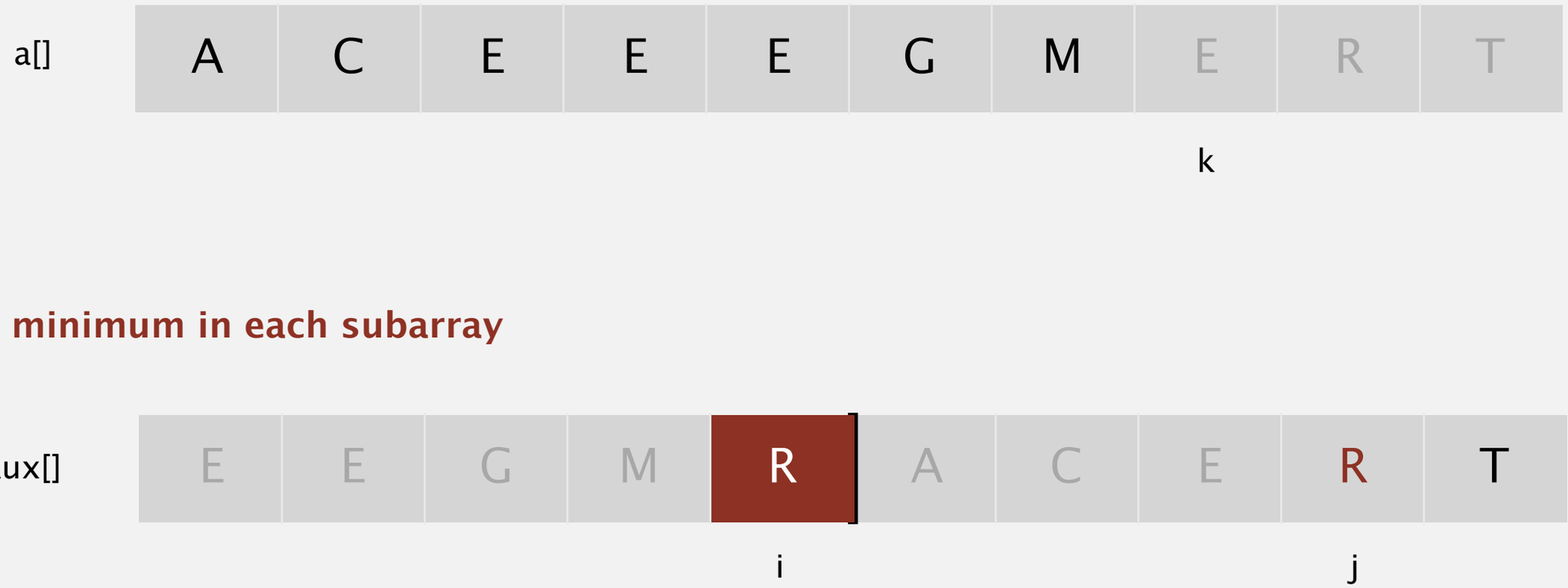

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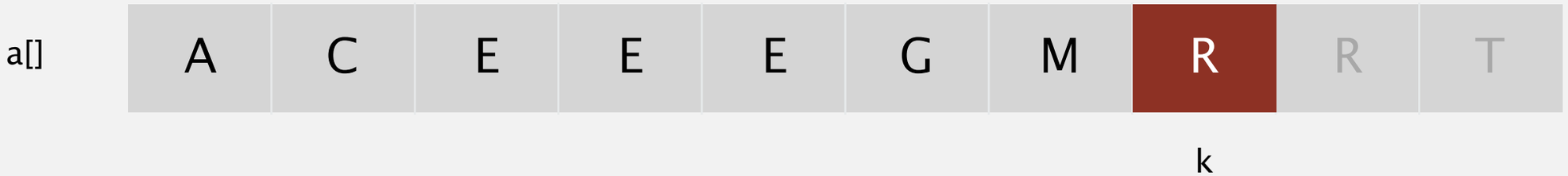

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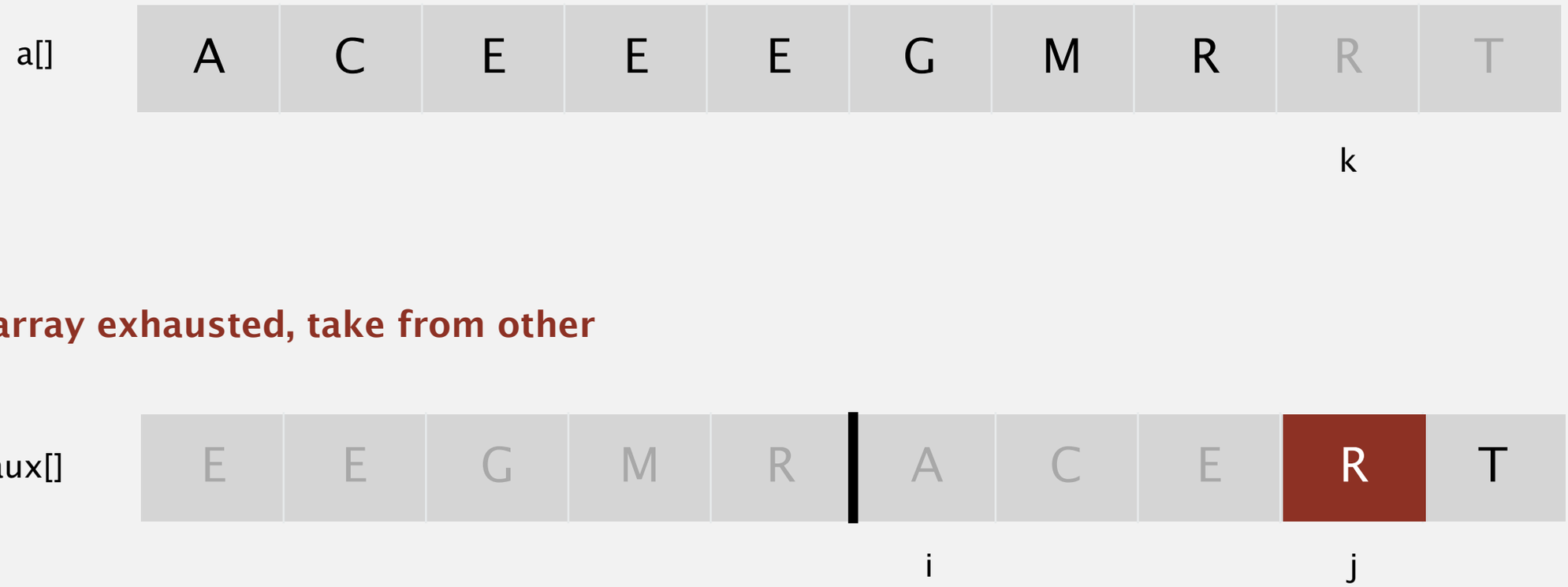

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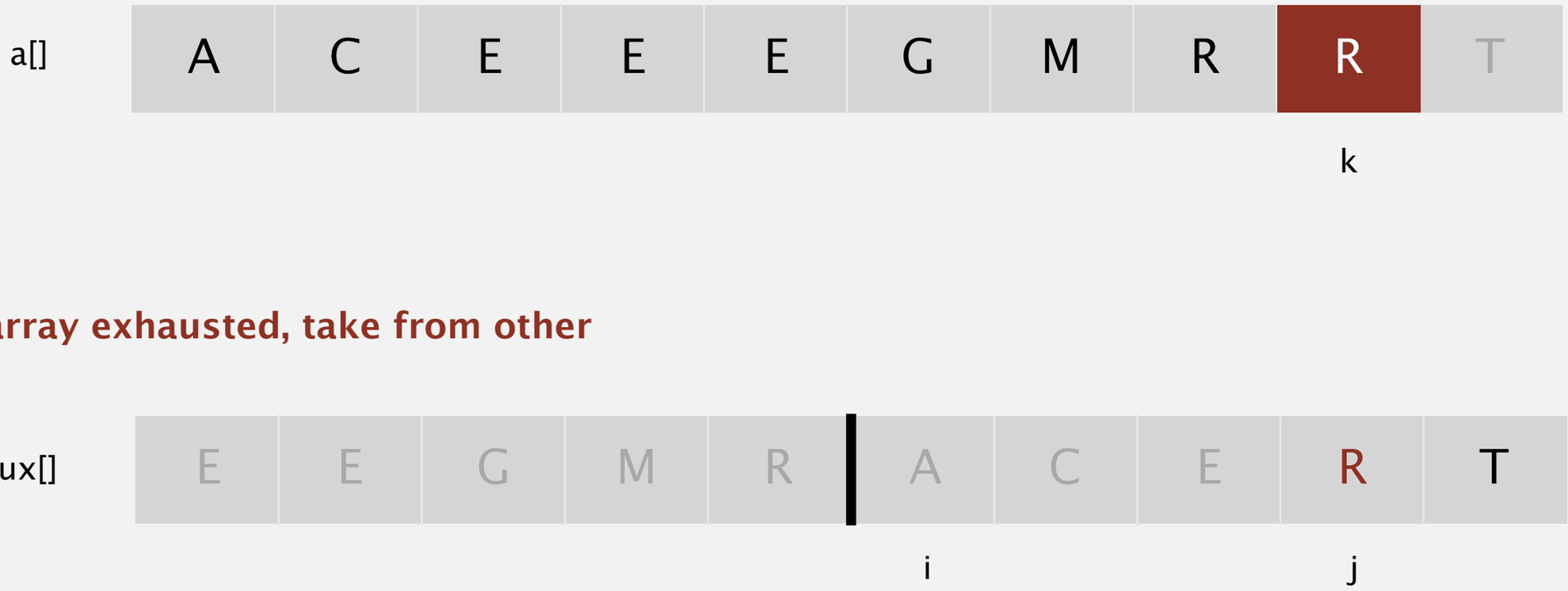

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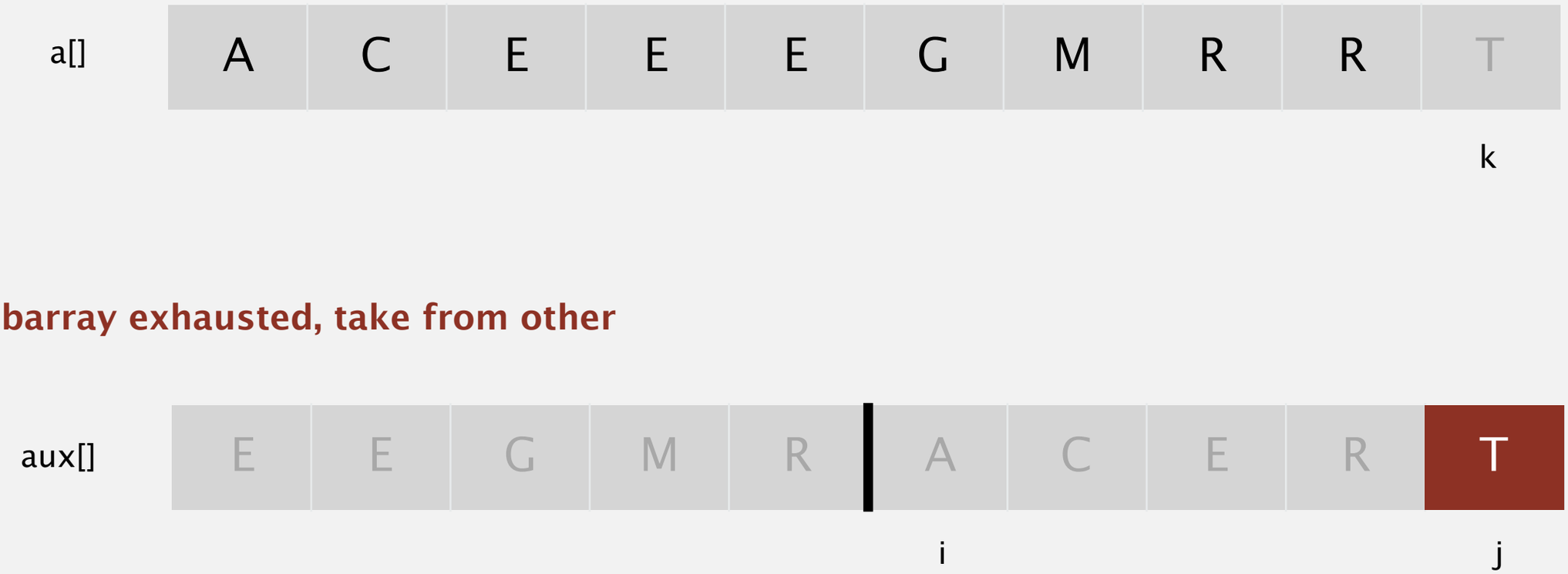

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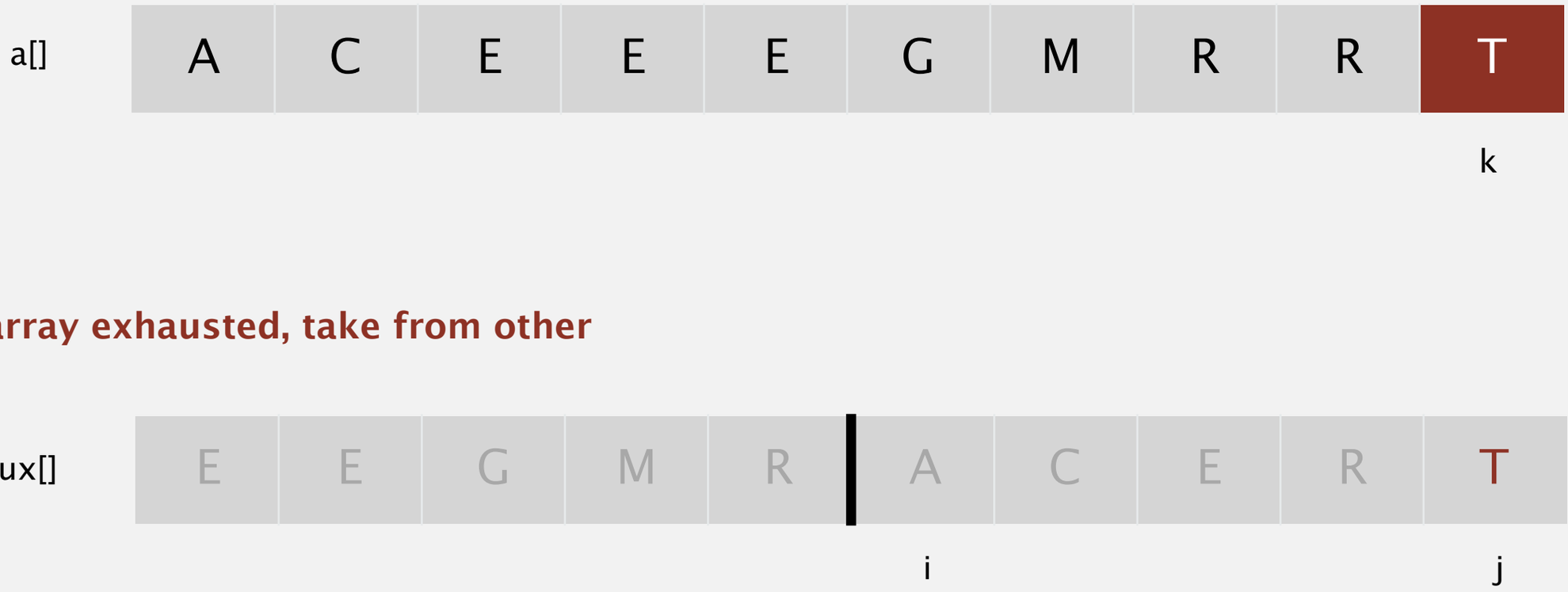

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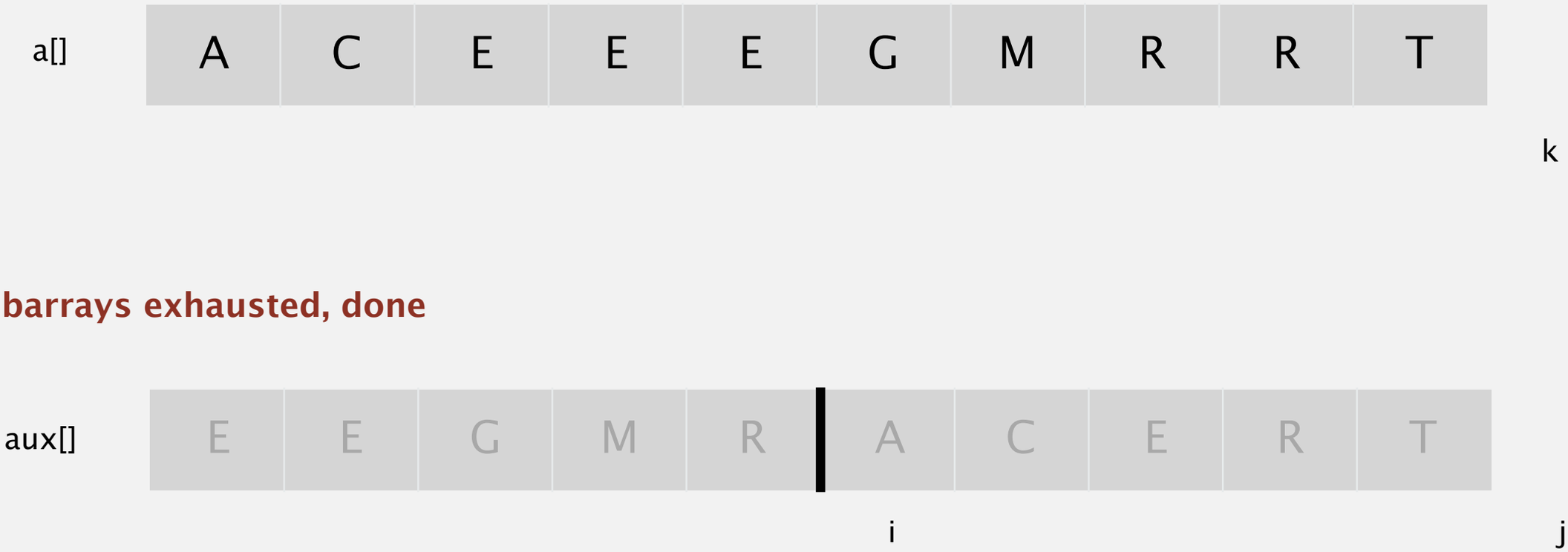

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