Selection sort

Dr. Anna Kalenkova

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```cpp
void selectionSort(vector<int>& array) {
    for (int i = 0; i < array.size(); i++) {
        // Find min element from i to n-1
        for(int j = i + 1; j < array.size(); j++) {
            …
        }
        // Swap elements at index i and min elements
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i

j

3	4	1	5	1	0

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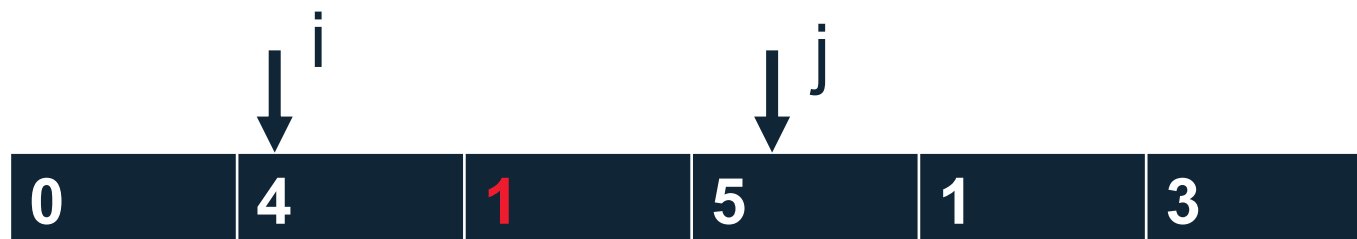| 3	4	1	5	1	0

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swap   j

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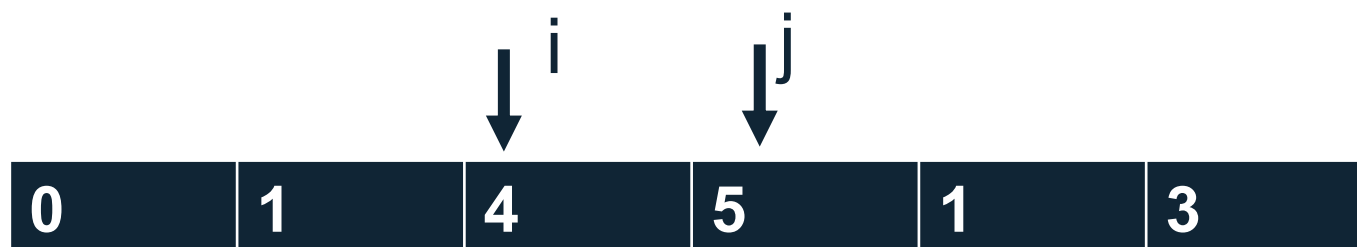
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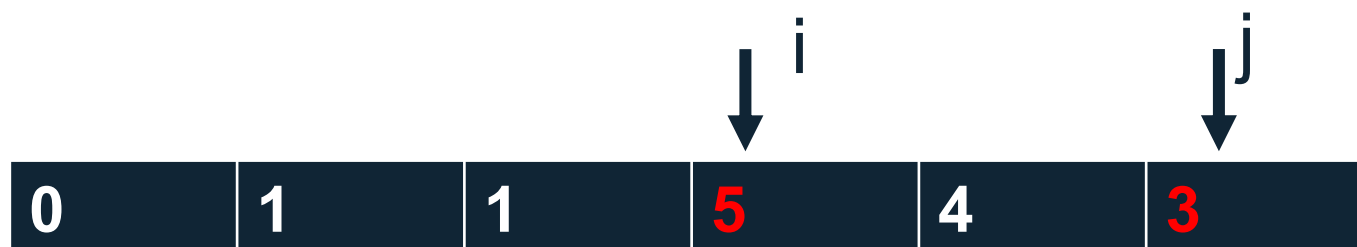
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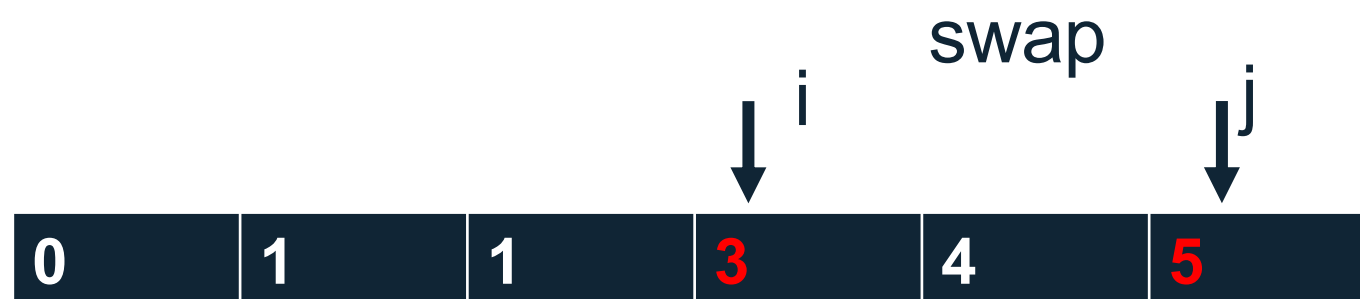| 0	1	1	5	4	3

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Time complexity is $O(n^2)$ in best, worst and average cases