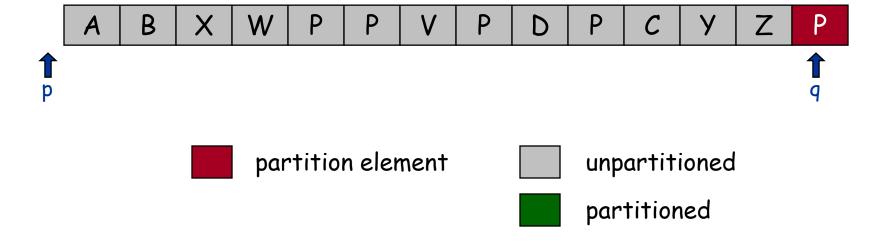
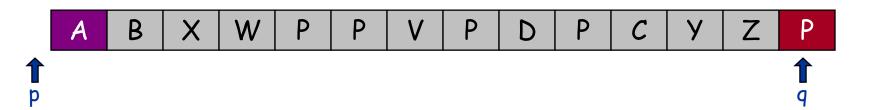
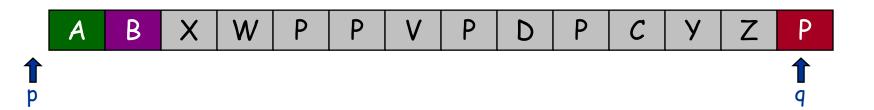
- Choose partitioning element.
- Scan from left \geq element.
- Scan from right for ≤ element.
- Exchange.
- Move to left or right end if equal.
- Repeat until pointers cross.



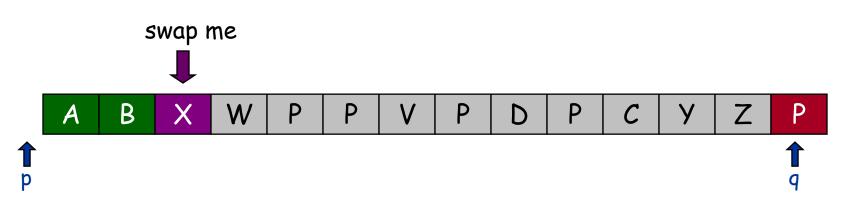
- Choose partitioning element.
- Scan from left \geq element.
- Scan from right for ≤ element.
- Exchange.
- Move to left or right end if equal.
- Repeat until pointers cross.



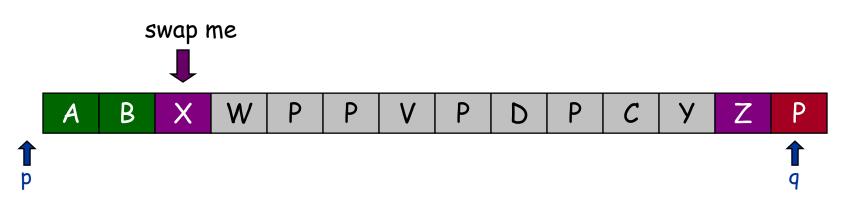
- Choose partitioning element.
- Scan from left \geq element.
- Scan from right for ≤ element.
- Exchange.
- Move to left or right end if equal.
- Repeat until pointers cross.



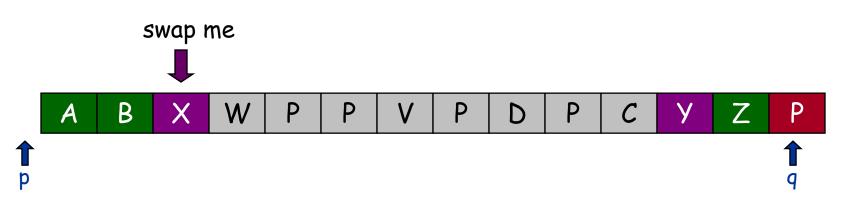
- Choose partitioning element.
- Scan from left \geq element.
- Scan from right for ≤ element.
- Exchange.
- Move to left or right end if equal.
- Repeat until pointers cross.



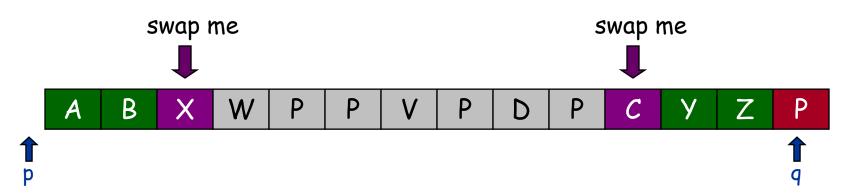
- Choose partitioning element.
- Scan from left \geq element.
- Scan from right for ≤ element.
- Exchange.
- Move to left or right end if equal.
- Repeat until pointers cross.



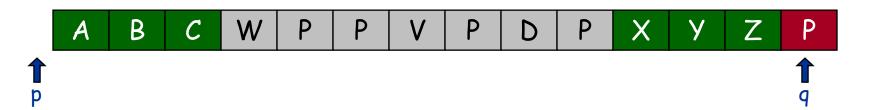
- Choose partitioning element.
- Scan from left \geq element.
- Scan from right for ≤ element.
- Exchange.
- Move to left or right end if equal.
- Repeat until pointers cross.



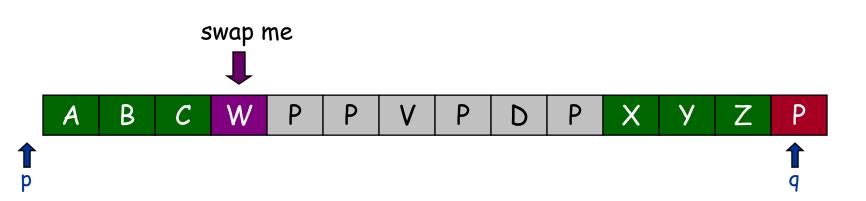
- Choose partitioning element.
- Scan from left \geq element.
- Scan from right for ≤ element.
- Exchange.
- Move to left or right end if equal.
- Repeat until pointers cross.



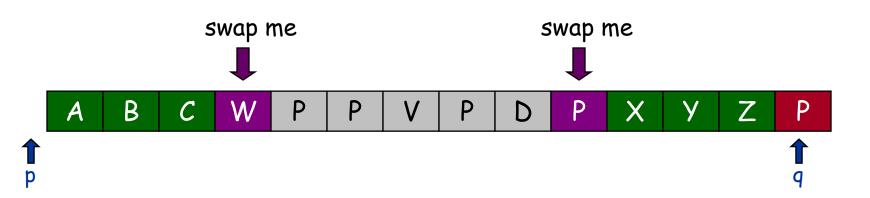
- Choose partitioning element.
- Scan from left \geq element.
- Scan from right for ≤ element.
- Exchange.
- Move to left or right end if equal.
- Repeat until pointers cross.



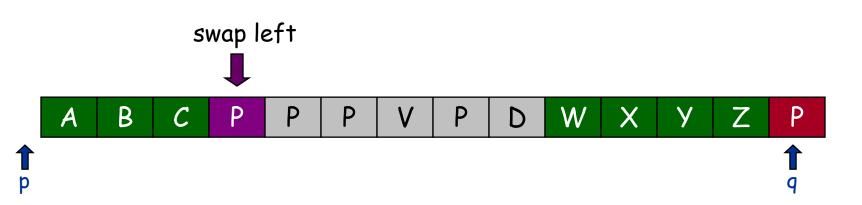
- Choose partitioning element.
- Scan from left \geq element.
- Scan from right for ≤ element.
- Exchange.
- Move to left or right end if equal.
- Repeat until pointers cross.



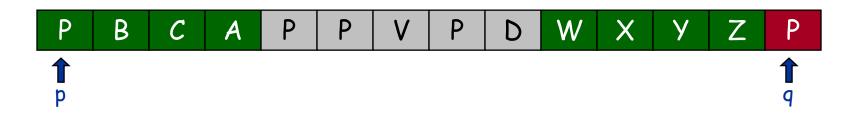
- Choose partitioning element.
- Scan from left \geq element.
- Scan from right for ≤ element.
- Exchange.
- Move to left or right end if equal.
- Repeat until pointers cross.



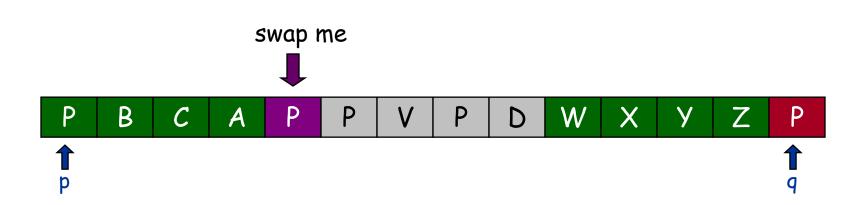
- Choose partitioning element.
- Scan from left \geq element.
- Scan from right for ≤ element.
- Exchange.
- Move to left or right end if equal.
- Repeat until pointers cross.



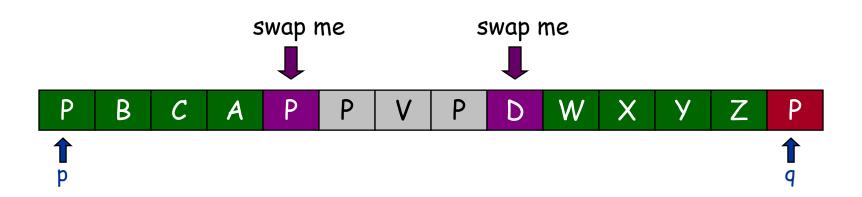
- Choose partitioning element.
- Scan from left \geq element.
- Scan from right for ≤ element.
- Exchange.
- Move to left or right end if equal.
- Repeat until pointers cross.



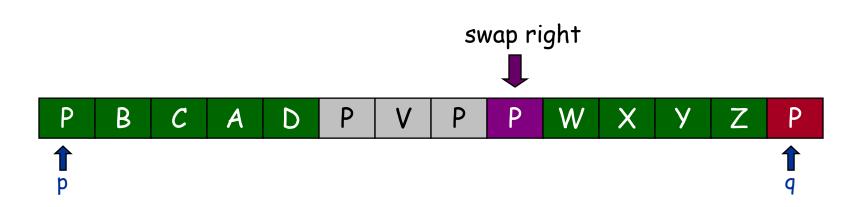
- Choose partitioning element.
- Scan from left \geq element.
- Scan from right for ≤ element.
- Exchange.
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- Repeat until pointers cross.



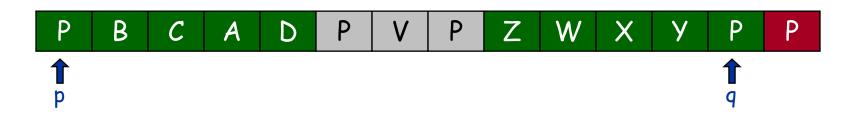
- Choose partitioning element.
- Scan from left \geq element.
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- Repeat until pointers cross.



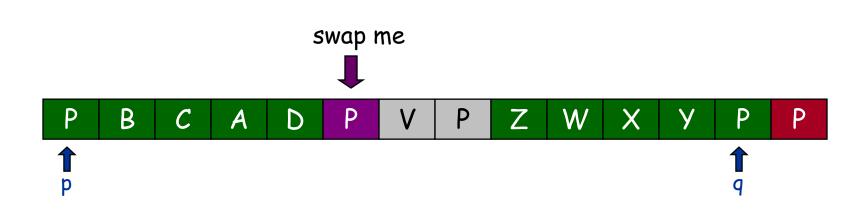
- Choose partitioning element.
- Scan from left \geq element.
- Scan from right for ≤ element.
- Exchange.
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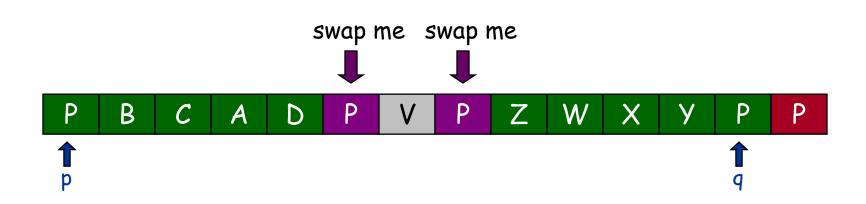
- Choose partitioning element.
- Scan from left \geq element.
- Scan from right for ≤ element.
- Exchange.
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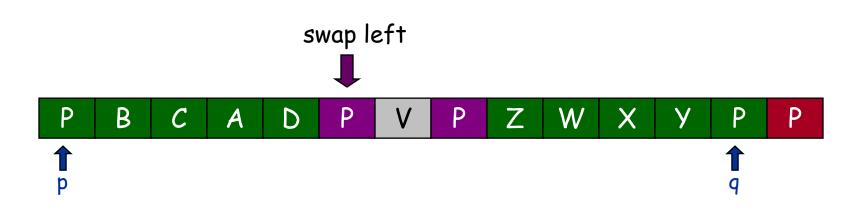
- Choose partitioning element.
- Scan from left \geq element.
- Scan from right for ≤ element.
- Exchange.
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- Repeat until pointers cross.



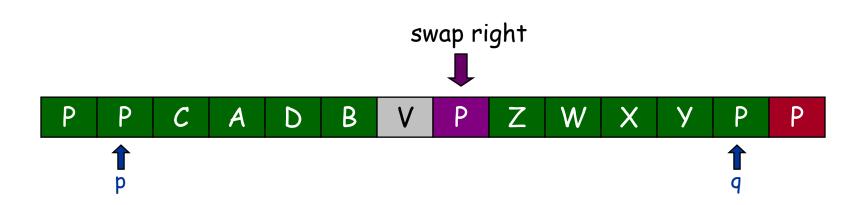
- Choose partitioning element.
- Scan from left \geq element.
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- Exchange.
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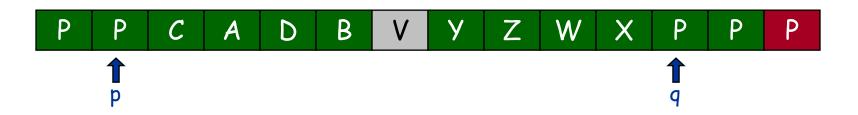
- Choose partitioning element.
- Scan from left \geq element.
- Scan from right for ≤ element.
- Exchange.
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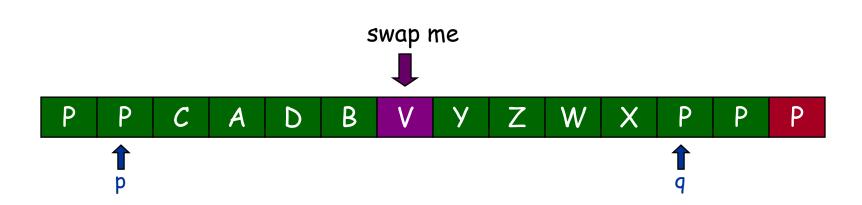
- Choose partitioning element.
- Scan from left \geq element.
- Scan from right for ≤ element.
- Exchange.
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- Repeat until pointers cross.



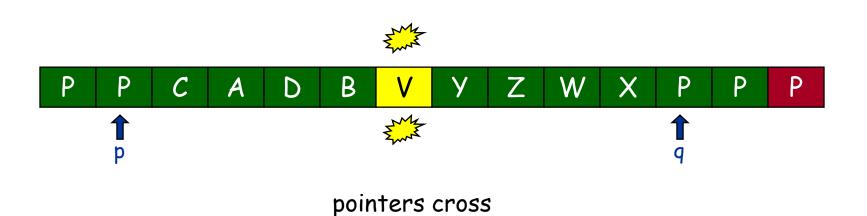
- Choose partitioning element.
- Scan from left \geq element.
- Scan from right for ≤ element.
- Exchange.
- Move to left or right end if equal.
- Repeat until pointers cross.



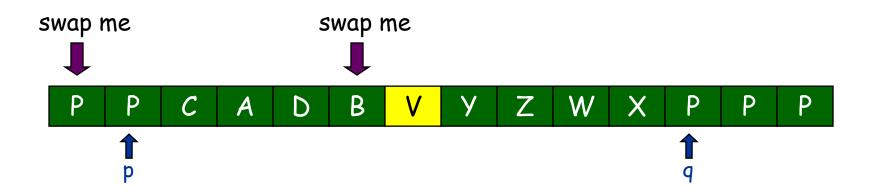
- Choose partitioning element.
- Scan from left \geq element.
- Scan from right for ≤ element.
- Exchange.
- Move to left or right end if equal.
- Repeat until pointers cross.



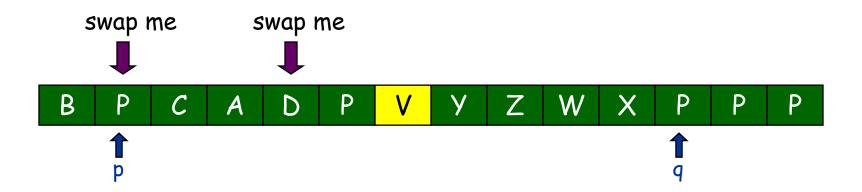
- Choose partitioning element.
- Scan from left \geq element.
- Scan from right for \leq element.
- Exchange.
- Move to left or right end if equal.
- Repeat until pointers cross.



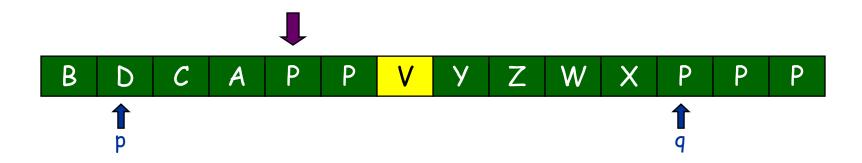
- Swap elements on left with elements in middle.
- Swap elements on right with elements in middle.



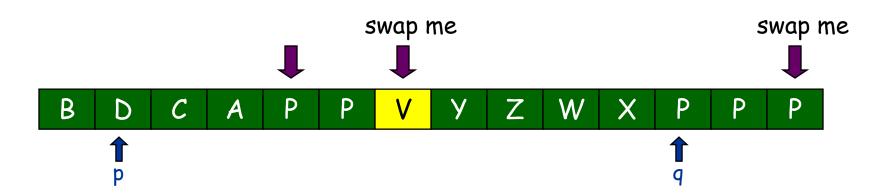
- Swap elements on left with elements in middle.
- Swap elements on right with elements in middle.



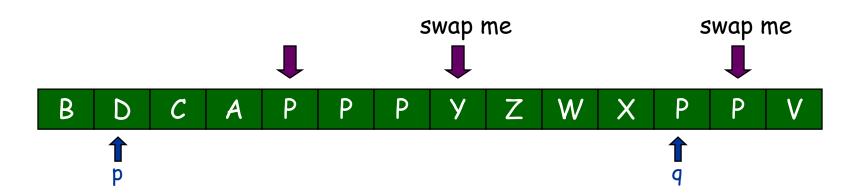
- Swap elements on left with elements in middle.
- Swap elements on right with elements in middle.



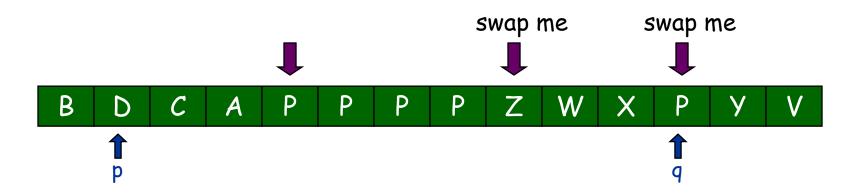
- Swap elements on left with elements in middle.
- Swap elements on right with elements in middle.



- Swap elements on left with elements in middle.
- Swap elements on right with elements in middle.

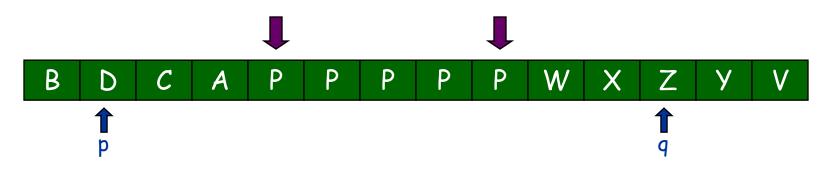


- Swap elements on left with elements in middle.
- Swap elements on right with elements in middle.



3-way partitioning.

- Swap elements on left with elements in middle.
- Swap elements on right with elements in middle.



3-way partitioned!