

# Merging

## Merge.

- Keep track of smallest element in each sorted half.
- Insert smallest of two elements into auxiliary array.
- Repeat until done.

smallest



|   |   |   |   |   |
|---|---|---|---|---|
| A | G | L | O | R |
|---|---|---|---|---|

smallest



|   |   |   |   |   |
|---|---|---|---|---|
| H | I | M | S | T |
|---|---|---|---|---|

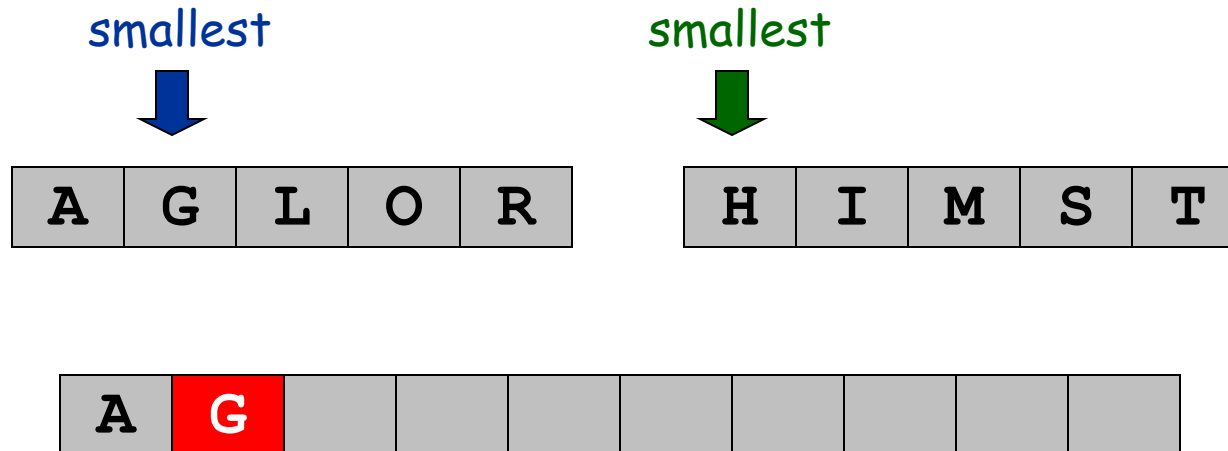
|   |  |  |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|--|--|
| A |  |  |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|--|--|

auxiliary array

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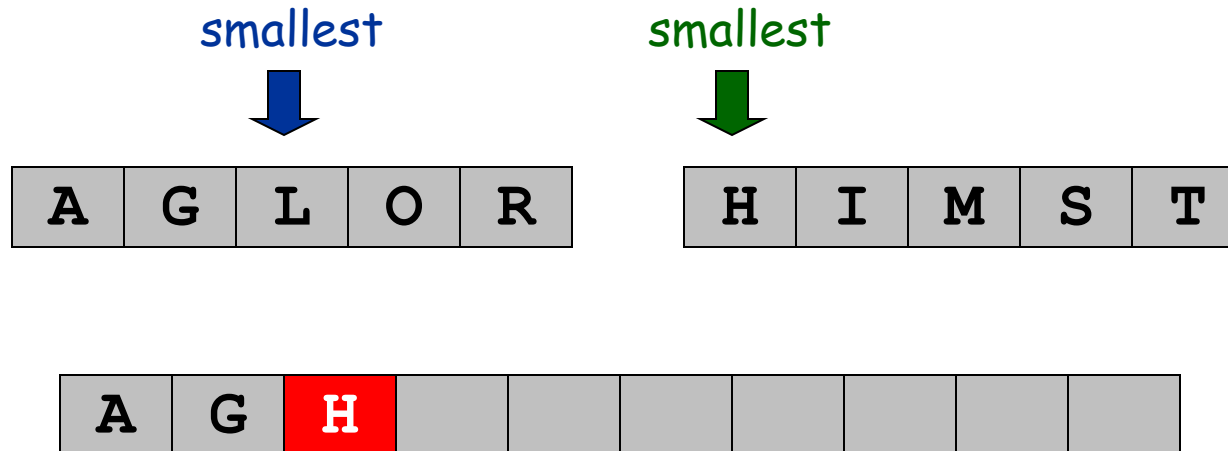


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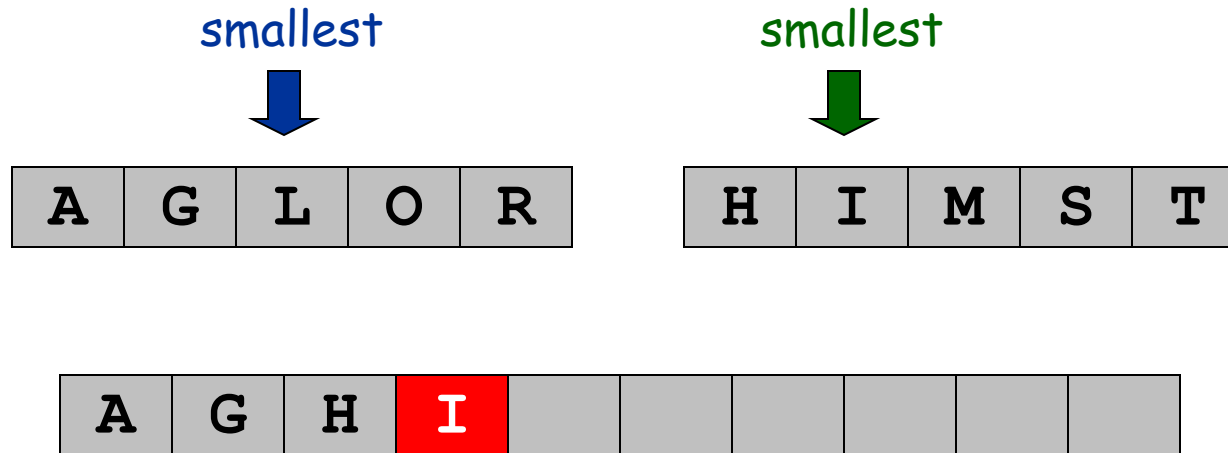


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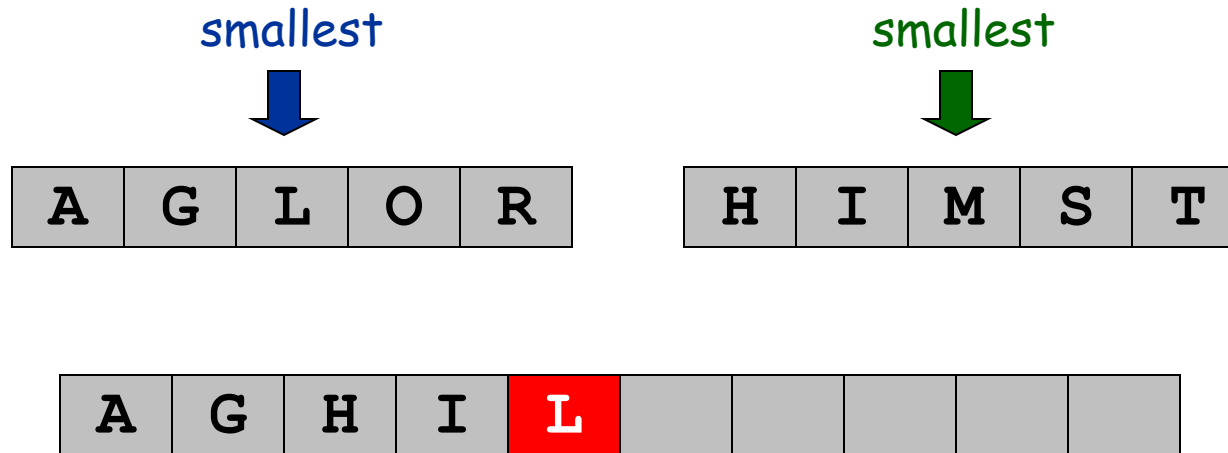


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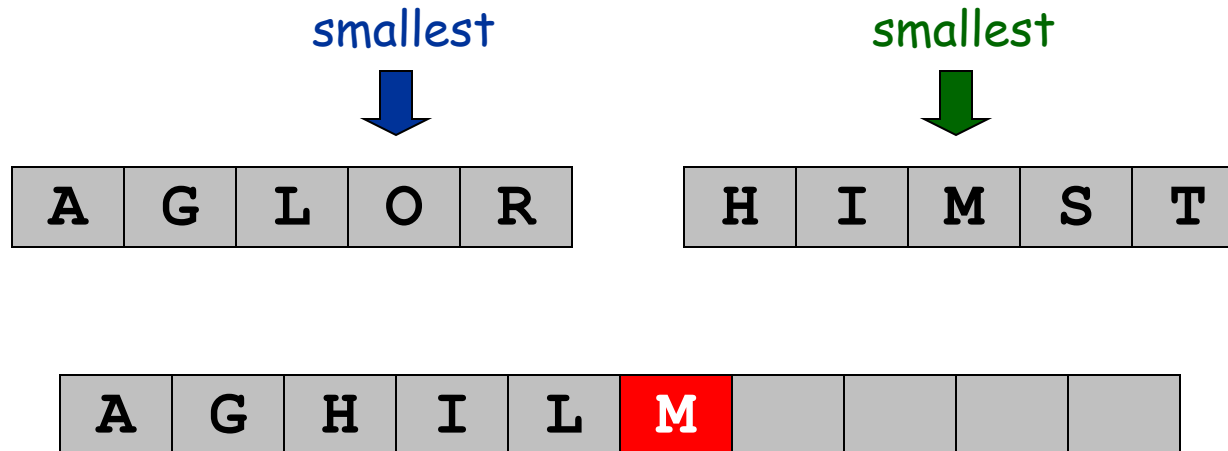


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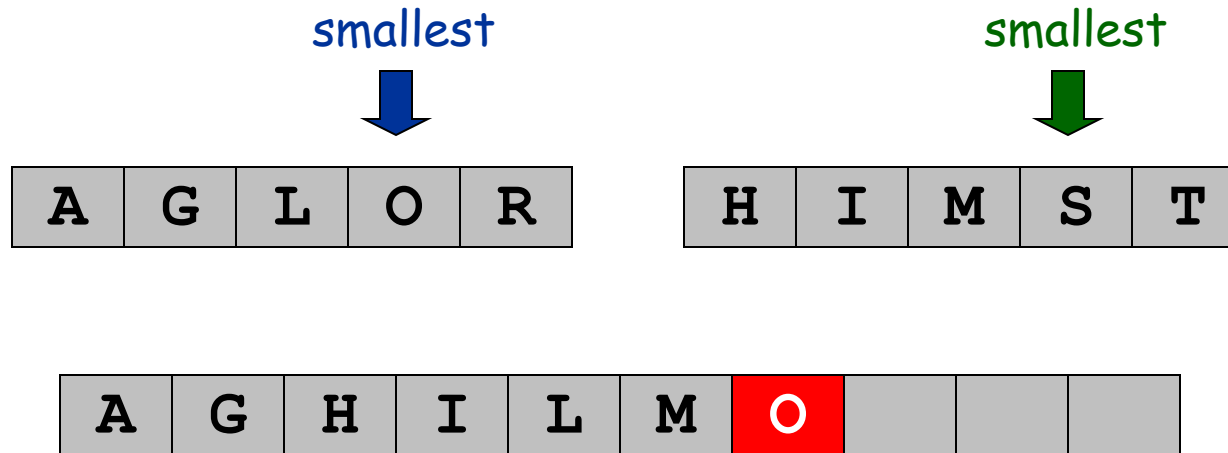


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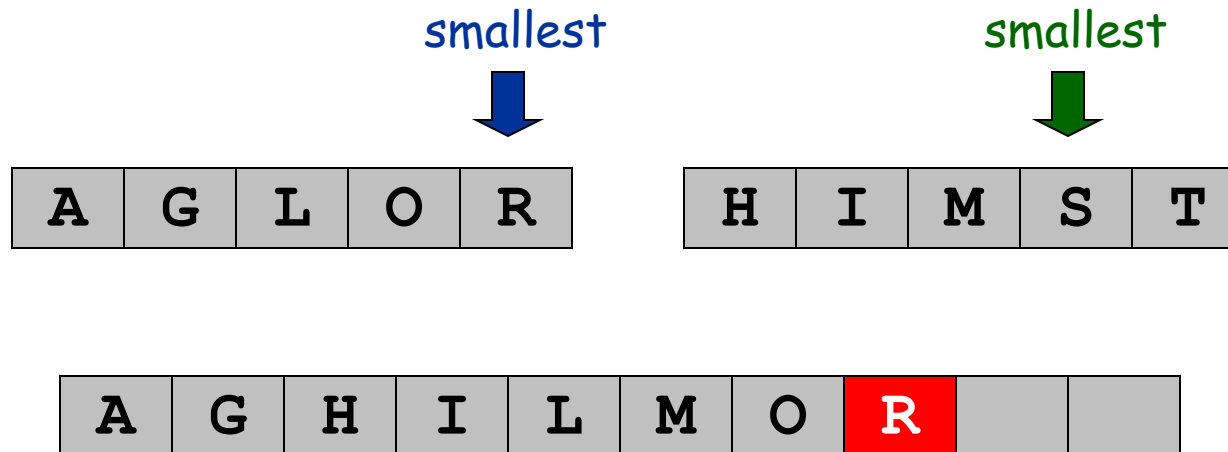


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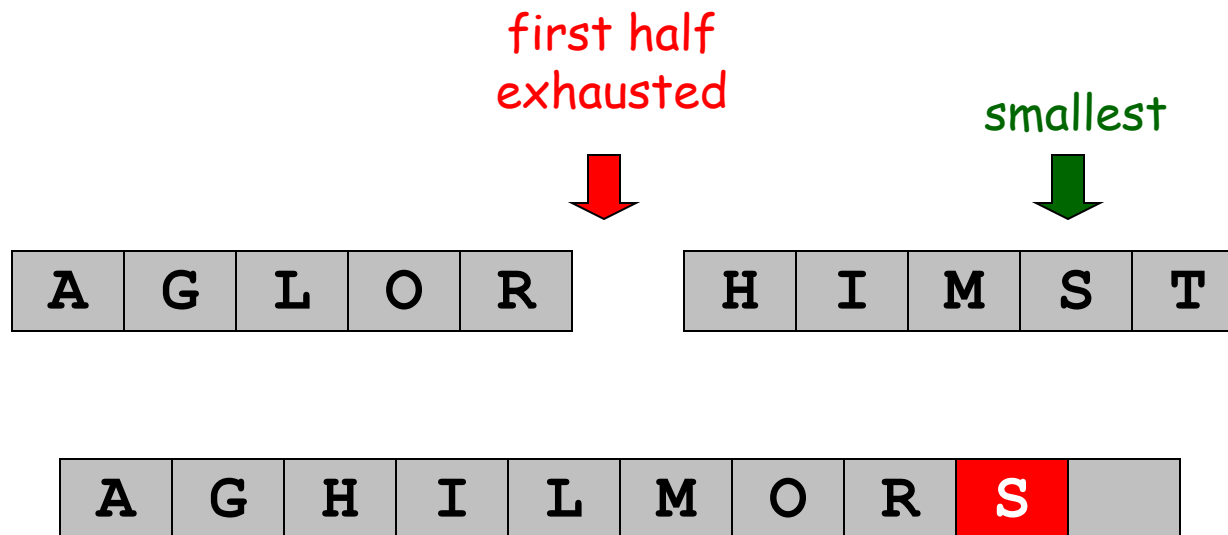




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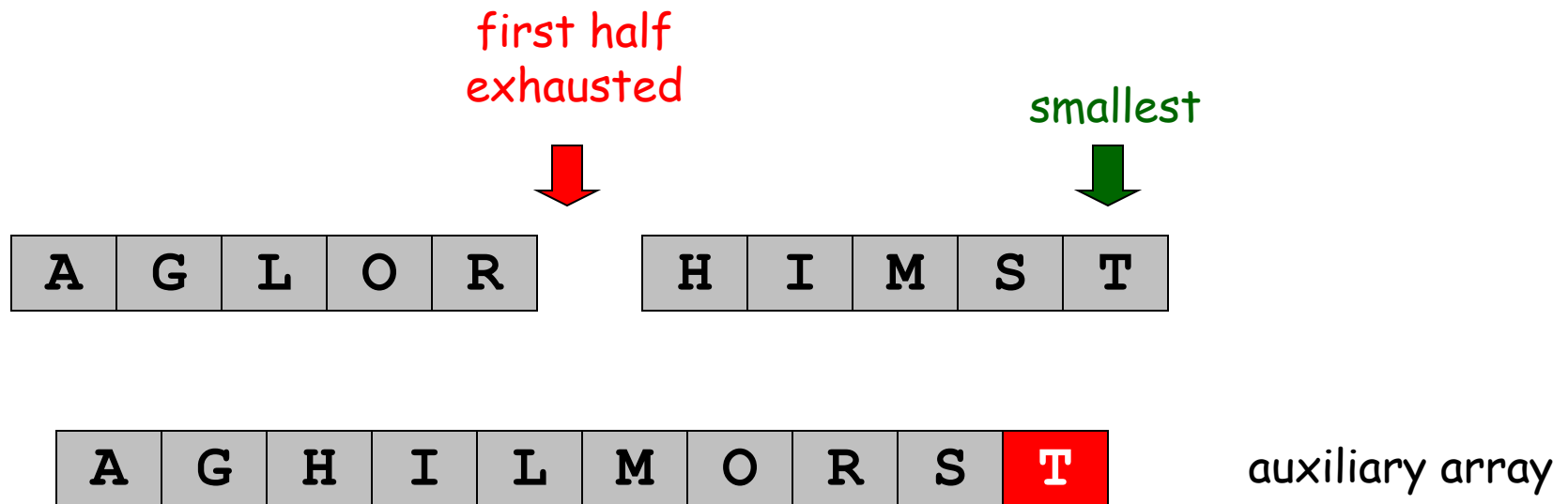


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