

Generating Spelling Suggestions



Algorithm walk through



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By the end of this video you will be able to...

- Describe a detailed algorithm for generating spelling suggestions for misspelled words

Spelling suggestion algorithm

Add the misspelled word to a queue

While not enough words generated and queue not empty:

- Remove the first string from the queue

- Generate "1 away" strings from the first string in the queue

- Add these to the queue

- Preserve those that are actual words in a separate list

queue:

suggestions:

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queue: speel

suggestions:

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speel

queue: apeel sbeel speak peel ...

suggestions:

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Optional Optimization: Keep track of strings you've seen and don't add them again

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How do we order the list of suggestions?