MAXMATCH

TOKENIZING TEXT WITHOUT WHITESPACE

相撲の世界は大変厳しいものである。

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MAXMATCH

- Using a dictionary, find the longest string of characters that appear in the dictionary.

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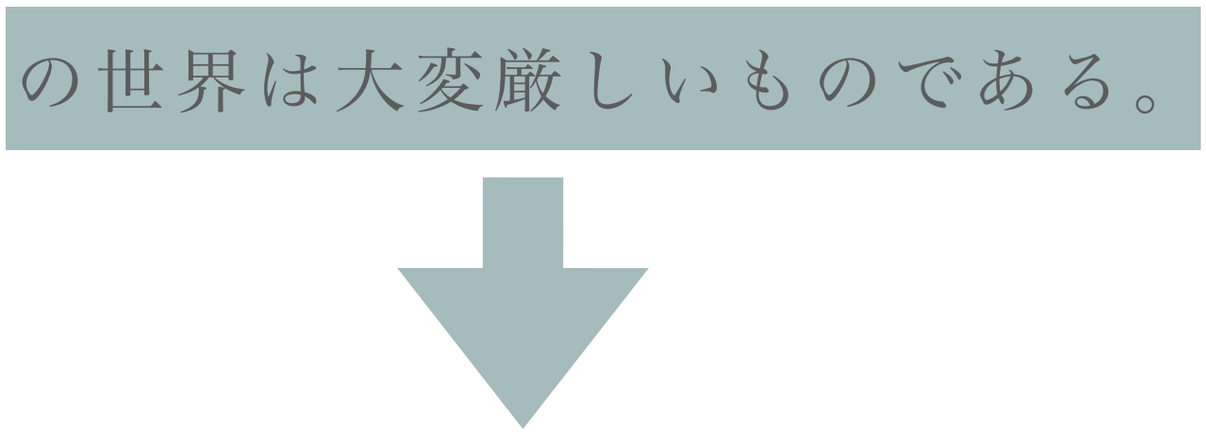
- Using a dictionary, find the longest string of characters that appear in the dictionary.
- Save that string, and repeat on the remainder of the sentence.



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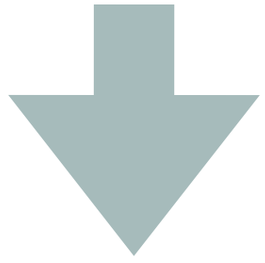

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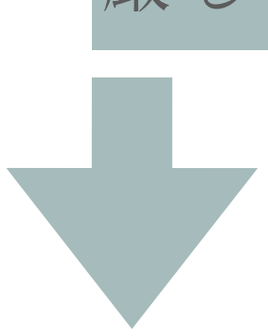

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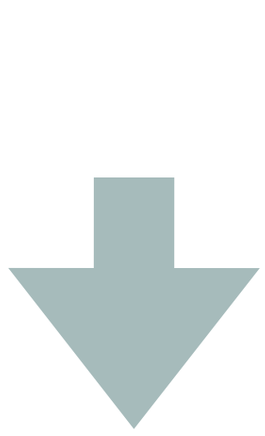

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MAXMATCH

- Using a dictionary, find the longest string of characters that appear in the dictionary.
- Save that string, and repeat on the remainder of the sentence.
- If a word is not encountered in the dictionary, save a single character and repeat on the remainder of the sentence.
- (This algorithm doesn’t handle unknown words well)

相撲　の　世界　は　大変　厳しい　もの　で　ある　。

MAXMATCH

- This approach works decently well for Chinese and Japanese, but not well at all for English.

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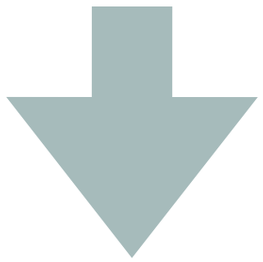

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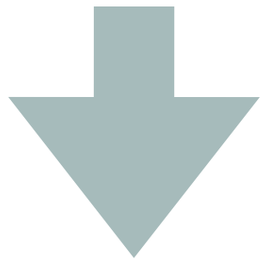
B L E D O W N T H E R E



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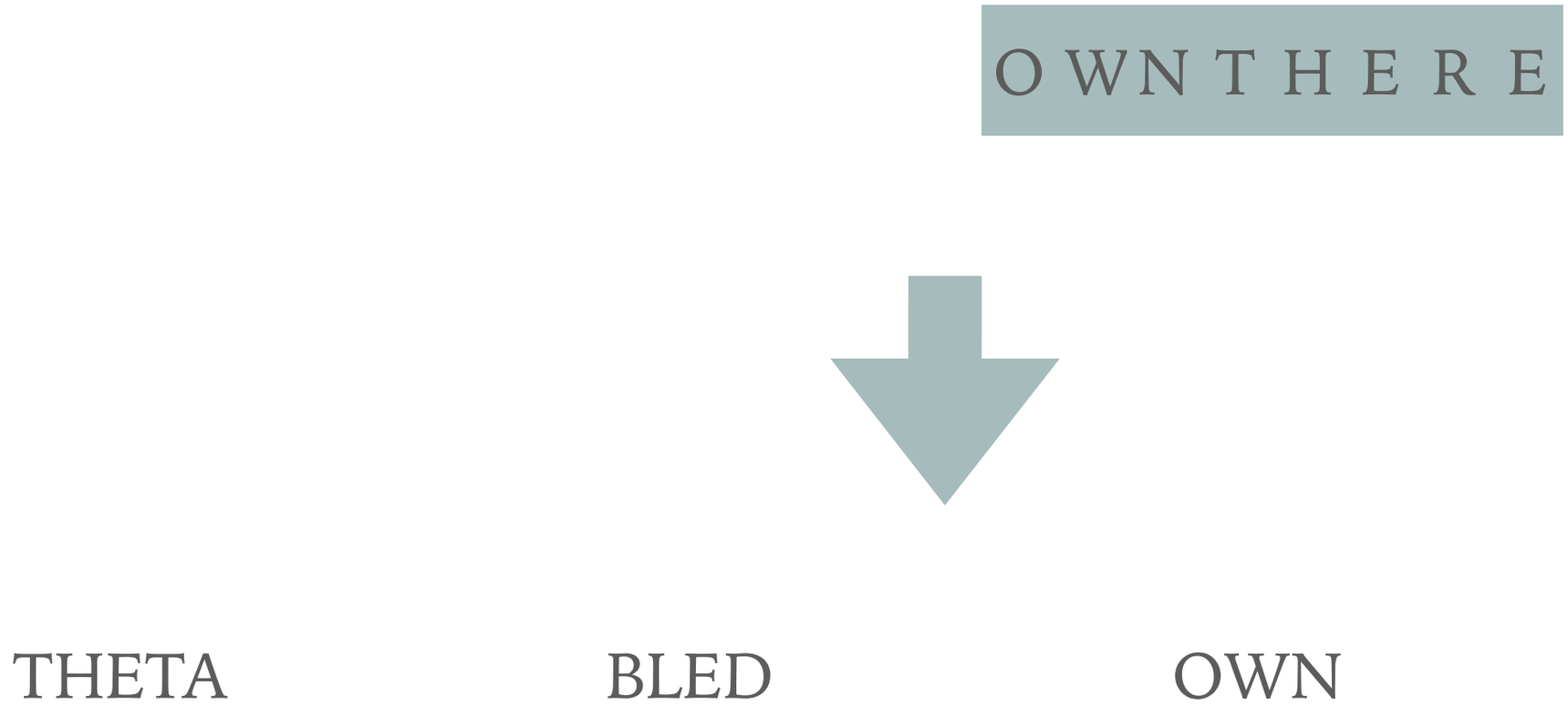

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TOKENIZING TEXT WITHOUT WHITESPACE

- Another approach is to treat this as a classification task.

相	撲	の	世	界	は	大	変	厳	し	い	も	の	で	あ	る	。
B	E	S	B	E	S	B	E	B	I	E	B	E	S	B	E	

- Each character is tagged with one of 4 tags:
  - B - beginning of the word
  - E - end of the word
  - I - inside the word
  - S - standalone word