**Challenge:**  
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**Can the two languages be distinguished using a bag-of-words approach?**  
No. Bag-of-words ignores character order, so it cannot differentiate languages that differ only by the order of segments.

**Can the two languages be distinguished using a bigram or trigram based approach?**  
Only partially. Bigrams and trigrams capture short-range local patterns, so they can detect some differences near segment boundaries. However, they cannot reliably capture the full long-range dependency needed to distinguish the overall segment order, limiting their effectiveness.

**Can the two languages be distinguished using a convolutional neural network?**  
To some extent. CNNs extract local features through filters and can learn local patterns such as segment transitions. But their fixed receptive field limits their ability to model long-range dependencies across distant segments unless the network is very deep or specially designed to capture global sequence structure.