

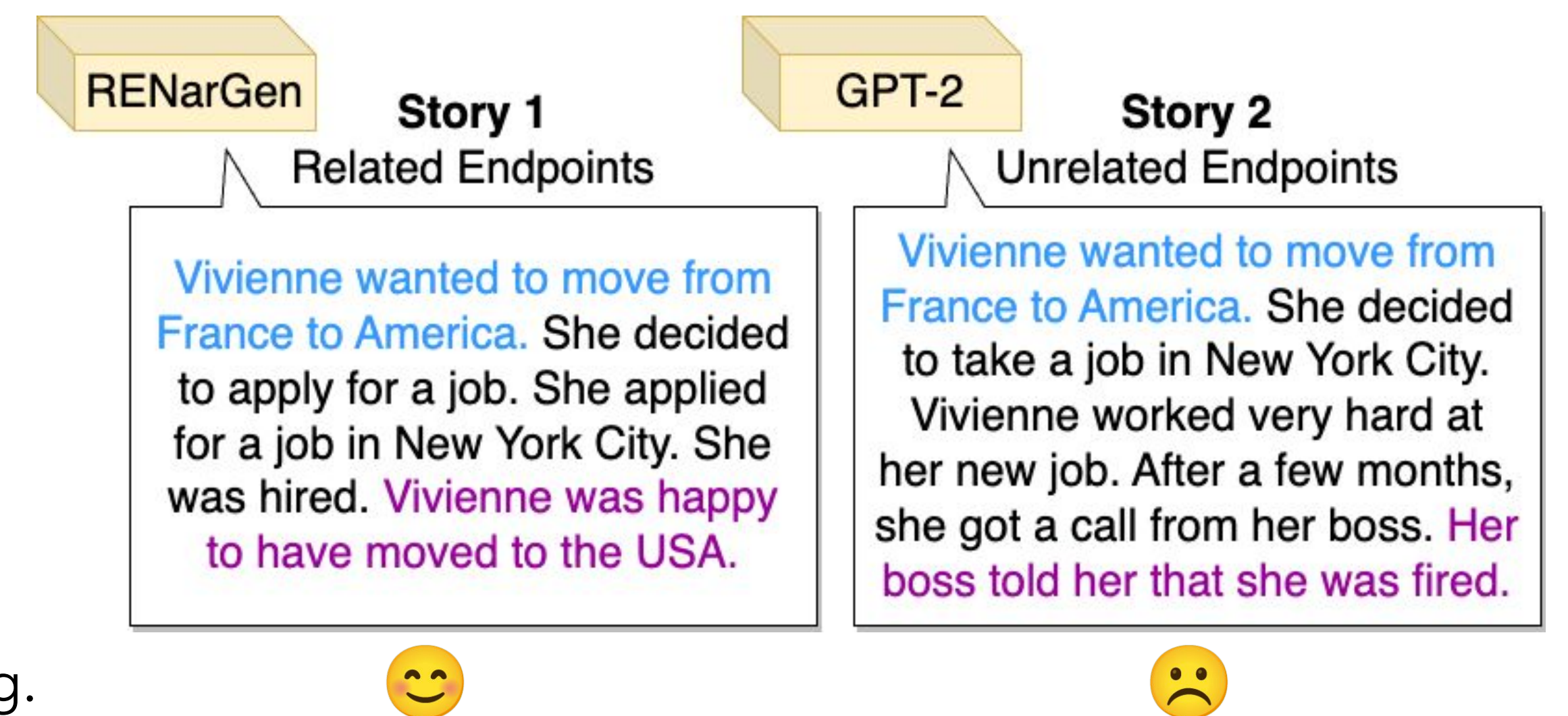
## Generating Narratives with Related Endpoints

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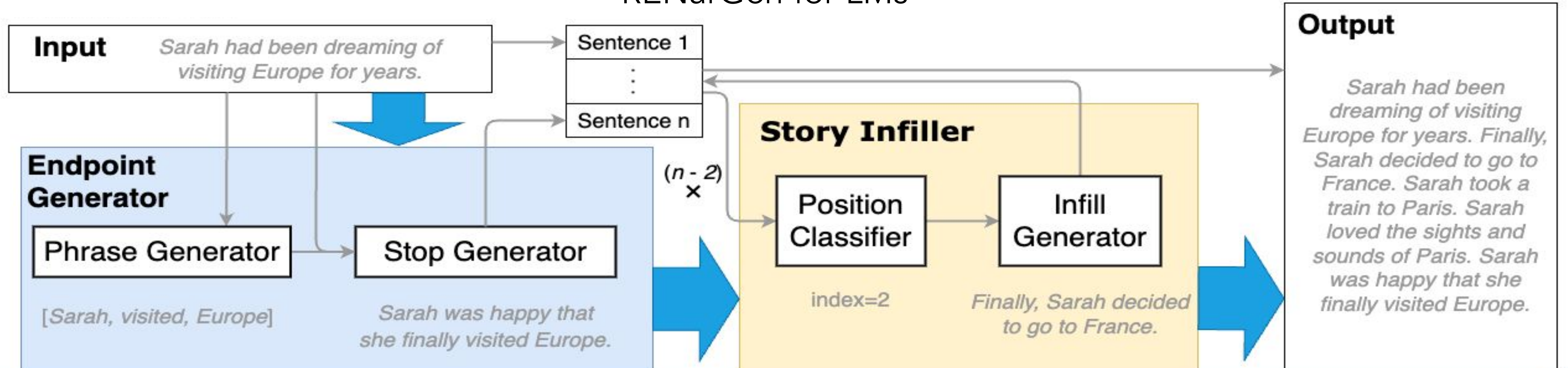
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## Introduction

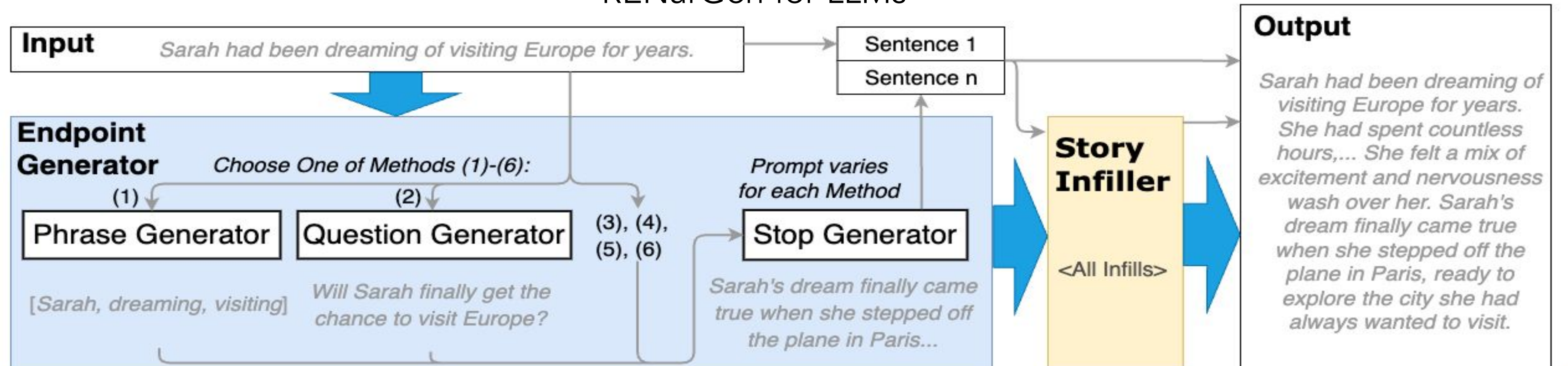
- Human writers often bookend their writing to “close the loop.”
  - Narrative closure: “feeling of finality... when all the questions saliently posed by the narrative are answered.” (Carroll, 2007)
- Human writers also expand their stories by adding details via infilling or appending in a left-to-right manner.
- We propose RENarGen, a controllable story-generation paradigm for LMs and LLMs to generate narratives with related first and last sentences.
- This work explores how bookending from Narratology affects language modeling.



## RENarGen for LMs



## RENarGen for LLMs



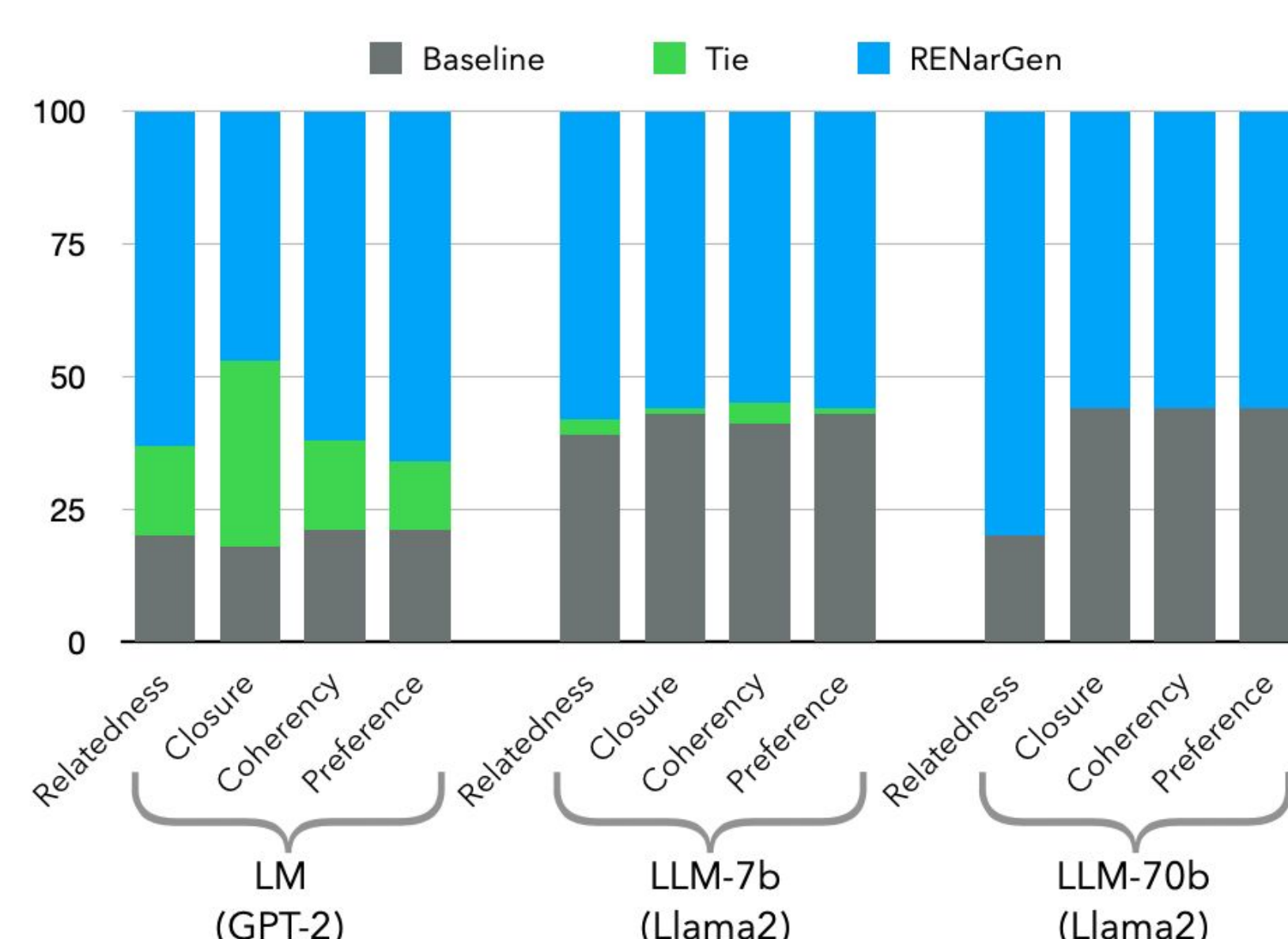
## Overview for LMs

- Endpoint generator generates phrase list before generating stop;
- Story infiller dynamically determines position before adding middle sentence.

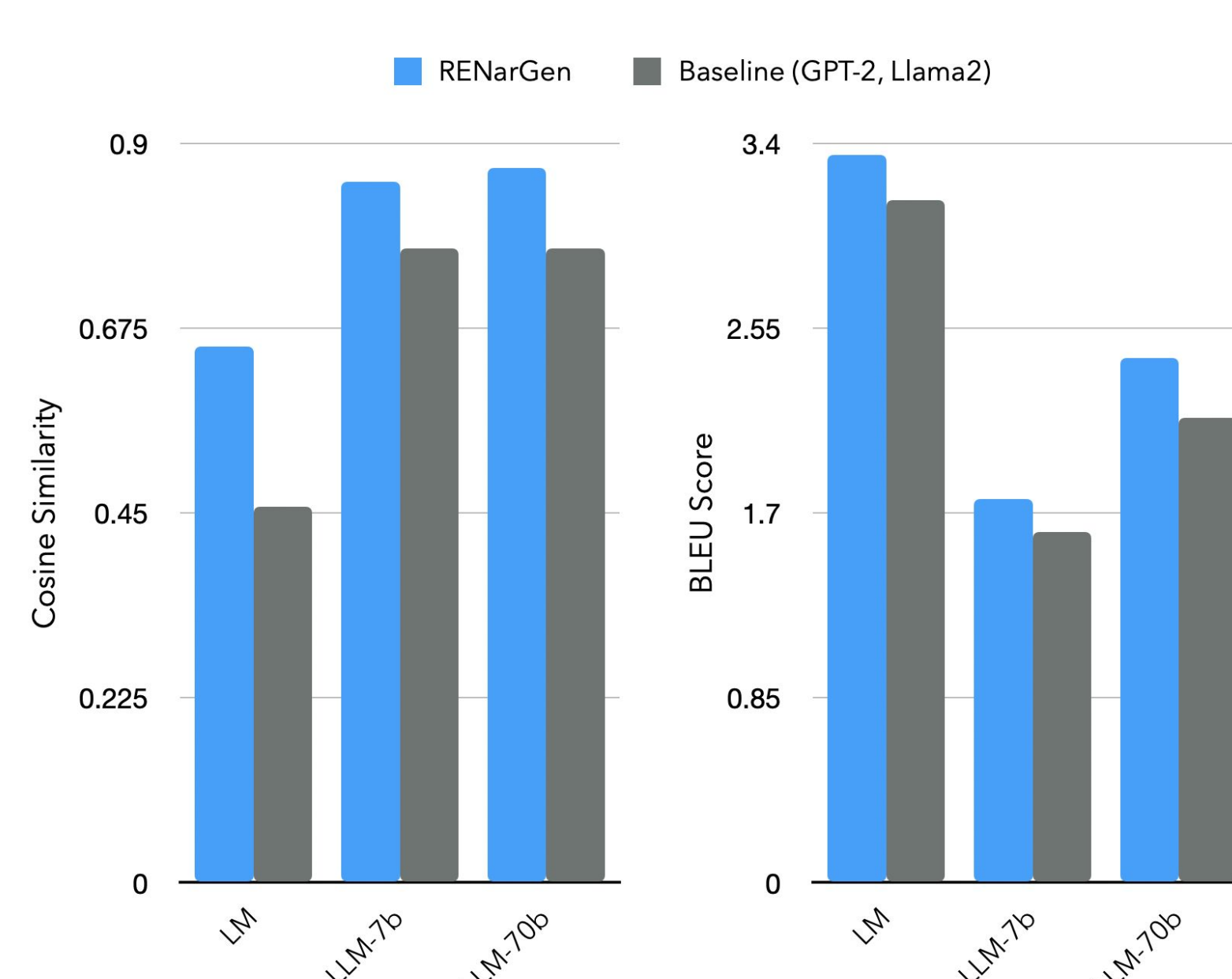
## Overview for LLMs

- During inference, 1 of 6 unique methods used to generate related endpoints:
  - Generate and use a phrase list;
  - Generate “related stop”;
  - Get salient narrative question introduced by the start and generate stop that answers the question (erotetic definition of story closure);
  - Generate stop with the same character, action, and/or location as the start (“matching ending”);
  - Generate stop that entails the start;
  - Generate stop entailed by the start.
- Story infiller generates all middle sentences left-to-right

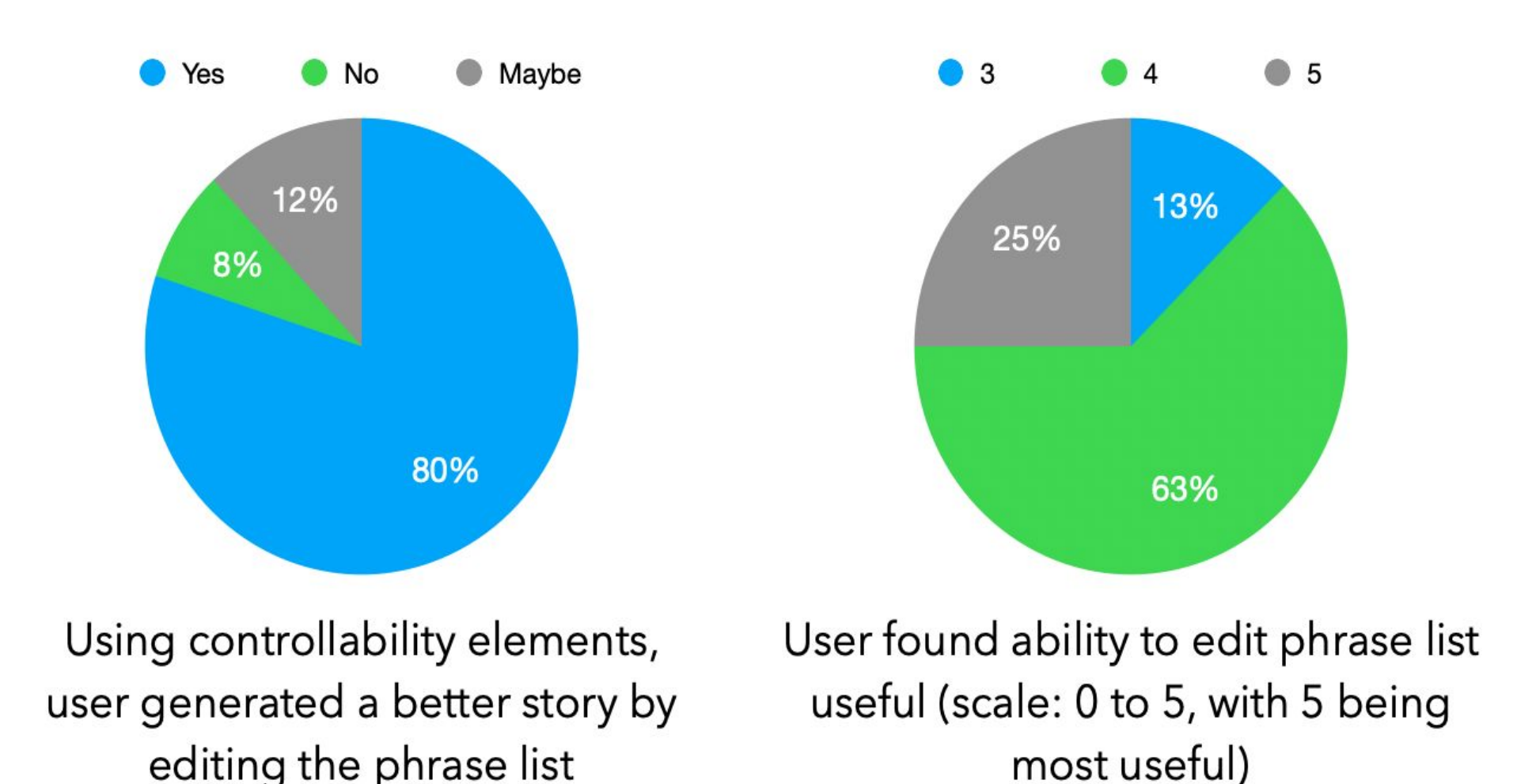
## Human Evaluation of Story Generation Quality



## Automatic Evaluation of Story Generation Quality



## Human Evaluation of Controllability Features



## Conclusion

- As our paper demonstrates, experiments show applicability of narratology theory for improved narrative generation
- Stories generated with related endpoints are more closed, satisfying, and coherent;
- Human users find RENarGen-LM's controllability useful;
- Link to paper:

