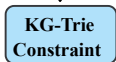


KG

1. KG retrieval

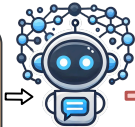


2. KG-Trie
Construnction

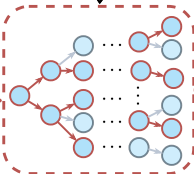


3. Graph-constrained
Decoding

Q: Who is the
spouse of the
ex-president
of USA?



LLM



Reasoning Path:
USA $\xrightarrow{\text{Ex-president}}$ Donald Trump
Marry_to \rightarrow Melania Trump
Answer:
Melania Trump