



Query: Where in Southern Europe would you find many canals?

Llama-2

Output: Venice

Entity extraction

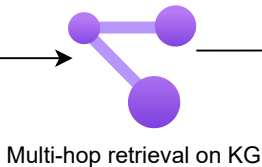
Southern Europe,  
Canals

Mapping Entities

Entities in KG

Vector DB

Southern Europe,  
Europe, Canal,  
Canals



Multi-hop retrieval on KG

Venice-location\_of-canal  
Venice-is\_part\_of-Veneto  
Veneto-is\_part\_of-Italy  
Southern Europe-related\_to-Italy  
Southern Europe-related\_to-Portugal

Context pruning

Venice-location\_of-canal  
Amsterdam-location\_of-canal  
...

Context

