

A. Connection listing prompt

Given a seed set of 4 nodes from a DBpedia 2016 dump, list all the connections that connect the seed elements so that it can be used to list additional similar nodes. Even though you do not have access to the database, try to answer with a formatted JSON listing the triplets and nothing else! We list some examples with only a few connections but list as many connections as you can. Make the list at least 20 long!

<EXAMPLE 1>

Seed elements: <<ELEMENTS>>

JSON: <<TRIPLES>>

</EXAMPLE 1>

<EXAMPLE 2>

Seed elements: <<ELEMENTS>>

JSON: <<TRIPLES>>

</EXAMPLE 2>

Seed elements:

B. Entity listing prompt

TASK: List all the entities that fulfill the stated question as if the year was 2016! To help you in the task we provide 4 example entities that are correct answers from DBpedia. We can also guarantee that the number of correct entities are between 8 and 100 and all of them are present in DBpedia 2016 version. Answer in a JSON list format with all the entities that are correct answers for the question!

QUESTION: <<QUESTION>>

EXAMPLES: <<SEED_SET>>

JSON:

C. Examples

Seed	Gold	Truncated Graph Walk	STDev-Embedding	GPT-4o
Livewire_(DC_Comics)	Batman_The_Animated_Series	Batman_The_Animated_Series	The_New_Batman_Adventures	Andrea_Beaumont
Roland_Daggett	Batman_(Terry_McGinnis)	Batman_(Terry_McGinnis)	Livewire_(DC_Comics)	Clock_King_(comics)
Roxy_Rocket	Condiment_King	Condiment_King	Roland_Daggett	Creeper_(comics)
The_New_Batman_Adventures	Derek_Powers	Derek_Powers	Roxy_Rocket	Curare_(comics)
	Freakazoid!	Freakazoid!	The_Batman_Adventures	Harley_Quinn Ⓜ
	Harley_Quinn	Harley_Quinn		Inque
	Justice_League_(TV_series)	Justice_League_(TV_series)		Livewire_(DC_Comics) Ⓜ
	Mercy_Graves	Mercy_Graves		Lock-Up
	Ms_Gsptlsnz	Ms_Gsptlsnz		Luminus
	Nora_Fries	Nora_Fries		Phantasm_(comics)
				Red_Claw
				Red_Hood_(Batman_Beyond)
				Roland_Daggett Ⓜ
				Roxy_Rocket Ⓜ
				Shriek_(Batman_Beyond)
				Spellbinder_(comics)
				Supergirl_(Kara_In-Ze)
				Terry_McGinnis Ⓜ
				The_New_Batman_Adventures Ⓜ

Table 4

Example of the three methods for the question "Name some comic characters created by Bruce Timm?". We use Ⓜ to indicate positive elements for GPT-4o.

Gold path		
?uri creator Bruce_Timm		
TruncatedGraphWalk		
?x type Person	?x creator Bruce_Timm	
GPT-4o		
?x appearance The_New_Batman_Adventures	Roland_Daggett enemyOf ?seed	?x alliedTo ?seed
?x affiliation Roxy_Rocket	Livewire_(DC_Comics) allyOf ?x	?x createdBy Bruce_Timm
?x villainIn Livewire_(DC_Comics)	?x appearance Roland_Daggett	?x appearsInUniverse DC_Universe
?x rival ?seed	?x similarTo ?seed	?x powers telekinesis
?x voiceActor Mark_Hamill	?x teamAffiliation Gotham_City_Crime_Syndicate	?x creator Paul_Dini
Batman enemyOf ?x	?x portrayedBy Kevin_Conroy	?x influencedBy Superman
Bruce_Wayne hasSecretIdentity ?x	?x type FictionalCharacter	

Table 5

Example of founds paths by the TruncatedGraphWalk and GPT-4o for the example in table ???. All the returned paths are shown in this examples.