1 Natural Language Concepts (Chain of Thought; Prefix Samples 3)

List of questions and answers for causal world queries with Chain of Thought (CoT) querying.

1.1 Natural Language Concepts (Chain of Thought; Prefix Samples 3) - Real World

"If rising temperatures cause the poles to melt and melting poles cause the sea	
level to rise. Do rising temperatures cause the sea level to rise?"	
GPT-4	Yes, because rising temperatures cause the poles to melt and melting
	poles cause the sea level to rise, rising temperatures do cause the sea
	level to rise.
GPT-3	Because rising temperatures cause the poles to melt and melting poles
	cause the sea level to rise. The answer is yes.
Luminou	s Because rising temperatures cause the poles to melt, but is not connected
	to melting poles which cause the sea level to rise. The answer is no.
	Q: If the poles melt and the sea level rises. Does the sea level rise?
	[repeating]
OPT	Because rising temperatures cause the poles to melt, but is not connected
	to melting poles which cause the sea level to rise. The answer is no.
	Q: If the sea level rises, does the sea level rise?
	[continued]

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"If rising temperatures cause people to walk faster and fast walking people cause		
	the sea level to rise. Do rising temperatures cause the sea level to rise?"	
GPT-4	Because rising temperatures cause people to walk faster and fast walking	
	people cause the sea level to rise, rising temperatures cause the sea level	
	to rise. The answer is yes.	
GPT-3	Because rising temperatures cause people to walk faster and fast walking	
	people cause the sea level to rise. The answer is yes.	
Luminous	s Because rising temperatures cause people to walk faster and fast walking	
	people cause the sea level to rise. The answer is no.	
	Q: If the sea level rises causes the sea to flood and flooding causes the	
	sea level to rise. Does the sea	
	[repeating]	
OPT	Because rising temperatures cause people to walk faster, but is not con-	
	nected to fast walking people which cause the sea level to rise. The	
	answer is no.	
	Q: If the sea level rises, does the sea level rise?	
	[continued]	
"If rising	temperatures cause people to walk faster and melting poles cause the	
"	to rise. Do rising temperatures cause the sea level to rise?"	
GPT-4	The information provided does not establish a direct link between rising	
	temperatures and rising sea levels. However, in reality, rising tempera-	
	tures do contribute to melting ice caps, which in turn cause sea levels to	
	rise. But based on the information given in the question,	
GPT-3	Because rising temperatures cause people to walk faster and melting poles	
	cause the sea level to rise. The answer is no.	
Luminous	s Because rising temperatures cause people to walk faster and melting poles	
	cause the sea level to rise. The answer is no.	
	Q: If the sea level rises and the sea level rises. Does	
	the sea level rise?	
	[repeating]	
OPT	Because rising temperatures cause people to walk faster and melting poles	
	cause the sea level to rise, rising temperatures cause the sea level to rise.	
	The answer is yes.	
	Q: If the sea level rises, does the sea level rise?	
	-	
	[continued]	

	valking people cause the poles to melt and melting poles cause the sea
level to r	ise. Do fast walking people cause the sea level to rise?"
GPT-4	Because fast walking people cause the poles to melt and melting poles
	cause the sea level to rise, fast walking people cause the sea level to rise.
	The answer is yes.
GPT-3	Because fast walking people cause the poles to melt and melting poles
	cause the sea level to rise. The answer is yes.
Luminou	s Because fast walking people cause the poles to melt and melting poles
	cause the sea level to rise. The answer is yes.
	Q: If the sun causes the poles to melt and melting poles cause the sea
	level to rise. Does the sun cause
0.00	[repeating]
OPT	Because fast walking people cause the poles to melt, but are not con-
	nected to the sea level which rises. The answer is no.
	Q: If the poles melt and the sea level rises, does the sea level rise?
	[continued]
_	temperatures cause the poles to melt and melting poles cause people to
	er. Do rising temperatures cause the sea level to rise?"
GPT-4	The information given does not provide a direct link between rising tem-
	peratures and rising sea levels. However, in real-world context, rising
	temperatures do cause the ice at the poles to melt, which in turn con-
СРТ э	tributes to rising sea levels.
GPT-3	Because rising temperatures cause the poles to melt and melting poles
	cause people to walk faster, rising temperatures do not cause the sea level to rise.
Luminou	s Because rising temperatures cause the poles to melt, but is not connected
Lummou	to melting poles which cause people to walk faster. The answer is no.
	Q: If the poles melt and the sea level rises, does the sea level rise?
	[continued]
OPT	Because rising temperatures cause the poles to melt, but is not connected
	to melting poles which cause people to walk faster. The answer is no.
	Q: If the sea level rises, does the sea level rise?
	[continued]
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1.2 Natural Language Concepts (Chain of Thought; Prefix Samples 3) - Imaginary Concepts

"If Quab	causes Blaong and Blaong causes Wahrg. Does Quab cause Wahrg?"
GPT-4	Because Quab causes Blaong and Blaong causes Wahrg, the answer is
	yes, Quab causes Wahrg.
GPT-3	Because Quab causes Blaong and Blaong causes Wahrg. The answer is
	yes.
Luminou	s Because Quab causes Blaong and Blaong causes Wahrg. The answer is
	no.
	Q: If Sibfan causes flooded streets and Quab causes Blaong. Does Sibfan
	cause Quab?
	[continued]
OPT	Because Quab causes Blaong and Blaong causes Wahrg. The answer is
	yes.
	Q: If Quab causes Blaong and Blaong causes Wahrg. Does Quab cause
	Wahrg?
	[continued]

"If Quab causes Blaong and Blaong causes Wahrg. Does Wahrg cause Quab?"	
GPT-4	No, Wahrg does not cause Quab. The cause and effect relationship you
	described goes from Quab to Blaong to Wahrg, not the other way around.
GPT-3	Because Blaong causes Wahrg and Quab causes Blaong. The answer is
	yes.
Luminou	s Because Quab causes Blaong and Blaong causes Wahrg. The answer is
	no.
	Q: If Sibfan causes flooded streets and heavy rain causes Sibfan. Does
	heavy rain cause flooded streets?
	[continued]
OPT	Because Quab causes Blaong and Blaong causes Wahrg. The answer is
	no.
	Q: If Quab causes Blaong and Blaong causes Wahrg. Does Wahrg cause
	Quab?
	[continued]

"If Wahr	g causes Quab and Quab causes Blaong. Does Wahrg cause Blaong?"
GPT-4	Because Wahrg causes Quab and Quab causes Blaong, the answer is yes,
	Wahrg causes Blaong.
GPT-3	Because Wahrg causes Quab and Quab causes Blaong, Wahrg causes
	Blaong. The answer is yes.
Luminou	s Because Wahrg causes Quab and Quab causes Blaong. The answer is no.
	Q: If Sibfan causes flooded streets and Quab causes Sibfan. Does Quab
	cause flooded streets?
	[continued]
OPT	Because Wahrg causes Quab and Quab causes Blaong. The answer is
	yes.
	Q: If Blaong causes Quab and Quab causes Wahrg. Does Blaong cause
	Wahrg?
	[continued]
"If Wahr	g causes Quab and Quab causes Blaong. Does Blaong cause Wahrg?"
GPT-4	No, Blaong does not cause Wahrg. The cause and effect relationship
	you described goes from Wahrg to Quab to Blaong, not the other way
	around.
GPT-3	Because Wahrg causes Quab and Quab causes Blaong, Blaong does cause
	Wahrg.
Luminou	s Because Wahrg causes Quab and Quab causes Blaong. The answer is no.
	Q: If Sibfan causes flooded streets and heavy rain causes Sibfan. Does
	Q. II SISIAII CAASOS HOOGA STICOUS ANA HOOVY TAIN CAASOS SISIAII. BOOS
	heavy rain cause flooded streets?
OPT	heavy rain cause flooded streets?
OPT	heavy rain cause flooded streets? [continued]
OPT	heavy rain cause flooded streets? [continued] Because Wahrg causes Quab and Quab causes Blaong. The answer is no.

"If Blaong causes Wahrg and Wahrg causes Quab. Does Blaong cause Quab?"	
GPT-4	Because Blaong causes Wahrg and Wahrg causes Quab, the answer is
	yes, Blaong causes Quab.
GPT-3	Because Blaong causes Wahrg and Wahrg causes Quab. The answer is
	yes.
Luminous	Because Blaong causes Wahrg and Wahrg causes Quab. The answer is
	no.
	Q: If Blaong causes Wahrg and Wahrg causes Quab. Does Blaong cause
	Quab?
	[continued]
OPT	Because Blaong causes Wahrg and Wahrg causes Quab. The answer is
	yes.
	Q: If Blaong causes Wahrg and Wahrg causes Quab. Does Blaong cause
	Quab?
	[continued]
"If Blaong	causes Wahrg and Wahrg causes Quab. Does Quab cause Blaong?"
GPT-4	Based on the information given, Quab is caused by Wahrg, which in turn
	is caused by Blaong. However, it is not stated that Quab causes Blaong.
	So, the answer is no.
GPT-3	Because Blaong causes Wahrg and Wahrg causes Quab. The answer is
	yes.
Luminous	Because Blaong causes Wahrg and Wahrg causes Quab. The answer is
	no.
	Q: If Sibfan causes flooded streets and heavy rain causes Sibfan. Does
	heavy rain cause flooded streets?
	[continued]
OPT	Because Blaong causes Wahrg and Wahrg causes Quab. The answer is
	no.
	Q: If Blaong causes Wahrg and Wahrg causes Quab. Does Wahrg cause
	Blaong?
	[continued]

1.3 Natural Language Concepts (Chain of Thought; Prefix Samples 3) - Mixed Concepts

"If Quab	causes Blaong and Blaong causes the sea level to rise. Does Quab cause
the sea level to rise?"	
GPT-4	Because Quab causes Blaong and Blaong causes the sea level to rise,
	Quab does cause the sea level to rise. The answer is yes.
GPT-3	Because Quab causes Blaong and Blaong causes the sea level to rise. The
	answer is yes.
Luminous	Because Quab causes Blaong and Blaong causes the sea level to rise. The
	answer is no.
	Q: If Sibfan causes flooded streets and heavy rain causes Sibfan. Does
	heavy rain cause flooded streets?
	[continued]
OPT	Because Quab causes Blaong and Blaong causes the sea level to rise,
	Quab causes the sea level to rise. The answer is yes.
	Q: If Quab causes Blaong and Blaong causes the sea level to rise. Does
	Quab cause the sea level to rise?
	[continued]
"If Quab causes Blaong and Aiftan causes the sea level to rise. Does Quab cause	
	a level to rise?"
GPT-	σ , τ
	connection stated between Blaong and the sea level rising. Therefore,
a==	the answer is no.
GPT-	•
ļ.,	answer is yes.
Lumin	ous Because Quab causes Blaong and Aiftan causes the sea level to rise. The
	answer is no.
	Q: If Sibfan causes flooded streets and Quab causes the sea level to rise.

Because Quab causes Blaong and Aiftan causes the sea level to rise. The

Q: If the sea level rises, does the sea level rise?

Does Sibfan cause the sea level to

[repeating]

answer is yes.

[continued]

OPT

"If rising temperatures cause Quab and Quab causes the sea level to rise. Do	
rising ten	nperatures cause the sea level to rise?"
GPT-4	Yes, because rising temperatures cause Quab and Quab causes the sea
	level to rise, rising temperatures indirectly cause the sea level to rise.
GPT-3	Because rising temperatures cause Quab and Quab causes the sea level
	to rise. The answer is yes.
Luminous	s Because rising temperatures cause Quab and Quab causes the sea level
	to rise. The answer is no.
	Q: If the sea level rises causes the sea to flood and the sea floods causes
	the sea level to rise. Does the sea
	[repeating]
OPT	Because rising temperatures cause Quab and Quab causes the sea level
	to rise, rising temperatures cause the sea level to rise. The answer is yes.
	Q: If the sea level rises, does the sea level rise?
	[continued]
"If rising	temperatures cause Quab and Aiftan causes the sea level to rise. Does
rising ten	nperatures cause the sea level to rise?"
GPT-4	Based on the information given, rising temperatures cause Quab, but
	there is no connection stated between Quab and the sea level rising.
	Aiftan causes the sea level to rise, but there is no connection stated
	between rising temperatures and Aiftan
GPT-3	Because rising temperatures cause Quab and Quab causes Aiftan which
	causes the sea level to rise. The answer is yes.
Luminous	s Because rising temperatures cause Quab and Aiftan causes the sea level
	to rise. The answer is no.
	Q: If the sea level rises causes the sea to flood and the sea floods causes
	the sea level to rise. Does the
	[repeating]
OPT	Because rising temperatures cause Quab and Aiftan causes the sea level
	to rise, but is not connected to the sea level rising. The answer is no.
	Q: If the sea level rises, does the sea level rise?
	[continued]