

1 Natural Language Concepts (Chain of Thought; Prefix Samples 4)

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 4) - 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 indirectly 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, rising temperatures cause the sea level to rise. The answer is yes.
Luminous	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 rising temperatures cause the poles to melt and melting poles cause the sea level to rise <i>[repeating]</i>
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 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? <i>[continued]</i>

“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, rising temperatures cause the sea level to rise. The answer is yes.
Luminous	Because rising temperatures cause people to walk faster and fast walking people cause the sea level to rise. The answer is no. Q: If rising temperatures cause people to walk faster and fast walking people cause the sea level to rise. Does rising temperatures <i>[repeating]</i>
OPT	Because rising temperatures cause people to walk faster, but is not connected to fast walking people which cause the sea level to rise. The answer is no. Q: 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? <i>[continued]</i>
“If rising temperatures cause people to walk faster and melting poles cause the sea level 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 real-world context, rising temperatures can cause polar ice to melt, which can lead to a rise in sea levels. But based on the information given in
GPT-3	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.
Luminous	Because rising temperatures cause people to walk faster and melting poles cause the sea level to rise. The answer is no. Q: If rising temperatures cause people to walk faster and melting poles cause the sea level to rise. Does melting poles cause rising <i>[repeating]</i>
OPT	Because rising temperatures cause people to walk faster and melting poles cause the sea level to rise, the answer is yes. Q: If the sea level rises, does the sea level rise? <i>[continued]</i>

“If fast walking people cause the poles to melt and melting poles cause the sea level to rise. 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, fast walking people cause the sea level to rise. The answer is yes.
Luminous	Because fast walking people cause the poles to melt, but are not connected to melting poles which cause the sea level to rise. The answer is no. Q: If fast walking people cause the poles to melt and melting poles cause the sea level <i>[repeating]</i>
OPT	Because fast walking people cause the poles to melt, but are not connected to the sea level rising. The answer is no. Q: If fast walking people cause the poles to melt and melting poles cause the sea level to rise. Do fast walking people cause the sea level to rise? <i>[continued]</i>
“If rising temperatures cause the poles to melt and melting poles cause people to walk faster. Do rising temperatures cause the sea level to rise?”	
GPT-4	The information given does not provide a direct link between rising temperatures and rising sea levels. However, in real-world context, rising temperatures do cause the ice at the poles to melt, which in turn contributes to rising sea levels.
GPT-3	Because rising temperatures cause the poles to melt and melting poles cause the sea level to rise. The answer is yes.
Luminous	Because rising temperatures cause the poles to melt, but melting poles do not cause people to walk faster. The answer is no. Q: If rising temperatures cause the poles to melt and melting poles cause people to walk faster. Do rising temperatures cause <i>[repeating]</i>
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 poles melt and the poles melt cause people to walk faster. Does the poles melting cause the sea level to rise? <i>[continued]</i>

1.2 Natural Language Concepts (Chain of Thought; Prefix Samples 4) - Imaginary Concepts

“If Quab causes Blaong and Blaong causes Wahrg. Does Quab cause Wahrg?”	
GPT-4	Because Quab causes Blaong and Blaong causes Wahrg, Quab indirectly causes Wahrg. So, the answer is yes.
GPT-3	Because Quab causes Blaong and Blaong causes Wahrg, Quab causes Wahrg. The answer is yes.
Luminous	Because Quab causes Blaong and Blaong causes Wahrg. The answer is no. Q: If Quab causes Blaong and Quab causes Sibfan. Does Quab cause Sibfan? <i>[continued]</i>
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 Blaong? <i>[continued]</i>
“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.
Luminous	Because Wahrg causes Blaong and Blaong causes Quab. The answer is yes. Q: If Quab causes Blaong and Blaong causes Wahrg. Does Wahrg cause Quab? <i>[continued]</i>
OPT	Because Quab causes Blaong and Blaong causes Wahrg, the answer is yes. Q: If Quab causes Blaong and Blaong causes Wahrg. Does Wahrg cause Quab? <i>[continued]</i>

“If Wahrg causes Quab and Quab causes Blaong. Does Wahrg cause Blaong?”	
GPT-4	Because Wahrg causes Quab and Quab causes Blaong, Wahrg indirectly causes Blaong. So, the answer is yes.
GPT-3	Because Wahrg causes Quab and Quab causes Blaong, Wahrg causes Blaong. The answer is yes.
Luminous	Because Wahrg causes Quab and Quab causes Blaong. The answer is yes. Q: If Wahrg causes Quab and Quab causes light bulbs to shine. Does Wahrg cause light bulbs to shine? <i>[continued]</i>
OPT	Because Wahrg directly causes Quab, the answer is yes. Q: If Wahrg causes Quab and Quab causes Blaong. Does Wahrg cause Blaong? <i>[continued]</i>
“If Wahrg 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 not cause Wahrg. The answer is no.
Luminous	Because Wahrg causes Quab and Quab causes Blaong. The answer is no. Q: If Blaong causes Wahrg and Wahrg causes Quab. Does Blaong cause Quab? <i>[continued]</i>
OPT	Because Wahrg causes Quab and Quab causes Blaong, the answer is yes. Q: If Wahrg causes Quab and Quab causes Blaong. Does Wahrg cause Blaong? <i>[continued]</i>

“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 indirectly causes Quab.
GPT-3	Because Blaong causes Wahrg and Wahrg causes Quab, Blaong causes Quab. The answer is yes.
Luminous	Because Blaong causes Wahrg and Wahrg causes Quab. The answer is yes. Q: If Blaong causes Wahrg and Wahrg causes Sibfan. Does Blaong cause Sibfan? <i>[continued]</i>
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? <i>[continued]</i>
“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 is caused by Blaong. However, it does not indicate that Quab causes Blaong. So, the answer is no.
GPT-3	Because Blaong causes Wahrg and Wahrg causes Quab, Quab causes Blaong. The answer is yes.
Luminous	Because Blaong causes Wahrg and Wahrg causes Quab. The answer is no. Q: If Blaong causes Quab and Quab causes Sibfan. Does Quab cause Sibfan? <i>[continued]</i>
OPT	Because Blaong causes Wahrg and Wahrg causes Quab, the answer is yes. Q: If Blaong causes Wahrg and Wahrg causes Quab. Does Wahrg cause Blaong? <i>[continued]</i>

1.3 Natural Language Concepts (Chain of Thought; Prefix Samples 4) - 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 indirectly causes the sea level to rise. So, 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 yes. Q: If Quab causes the sea level to rise and Quab causes the sea level to rise. Does Quab cause the sea <i>[repeating]</i>
OPT	Because Quab causes Blaong, 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? <i>[continued]</i>

“If Quab causes Blaong and Aiftan causes the sea level to rise. Does Quab cause the sea level to rise?”	
GPT-4	Based on the information given, Quab causes Blaong, but there is no connection stated between Blaong and the sea level rising. Therefore, the answer is no, Quab does not cause the sea level to rise.
GPT-3	Because Quab causes Blaong and Blaong causes the sea level to rise. The answer is yes.
Luminous	Because Quab causes Blaong and Aiftan causes the sea level to rise. The answer is yes. Q: If Quab causes the sea level to rise and Quab causes the sea level to rise. Does Quab cause the <i>[repeating]</i>
OPT	Because Quab causes Blaong and Aiftan causes the sea level to rise, the answer is yes. Q: If Quab causes Blaong and Aiftan causes the sea level to rise. Does Quab cause the sea level to rise? <i>[continued]</i>

“If rising temperatures cause Quab and Quab causes the sea level to rise. Do rising temperatures 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, rising temperatures cause the sea level to rise. The answer is yes.
Luminous	Because rising temperatures cause Quab and Quab causes the sea level to rise. The answer is yes. Q: If rising temperatures cause Quab and Quab causes the sea level to rise. Do rising temperatures cause the sea level to rise <i>[repeating]</i>
OPT	Because rising temperatures cause Quab, but Quab does not cause the sea level to rise. The answer is no. Q: If rising temperatures cause Quab and Quab causes the sea level to rise. Do rising temperatures cause the sea level to rise? <i>[continued]</i>
“If rising temperatures cause Quab and Aiftan causes the sea level to rise. Does rising temperatures cause the sea level to rise?”	
GPT-4	Based on the information given, rising temperatures cause Quab, but there is no direct link between Quab and the sea level rising. Aiftan causes the sea level to rise, but there is no link provided between rising temperatures and Aiftan
GPT-3	Because Aiftan causes the sea level to rise and Quab causes rising temperatures. The answer is yes.
Luminous	Because rising temperatures cause Quab and Aiftan causes the sea level to rise. The answer is yes. Q: If rising temperatures cause Quab and Aiftan causes the sea level to rise. Does rising temperatures cause the sea level <i>[repeating]</i>
OPT	Because rising temperatures cause Quab and Aiftan causes the sea level to rise, the answer is yes. Q: If rising temperatures cause Quab and Aiftan causes the sea level to rise. Does rising temperatures cause the sea level to rise? <i>[continued]</i>