1 Natural Language Concepts (Chain of Thought; Prefix Samples 2)

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 2) - Real World

"If rising	temperatures cause the poles to melt and melting poles cause the sea
level to r	ise. Do rising temperatures cause the sea level to rise?"
GPT-4	Yes, rising temperatures cause the sea level to rise. This is because the
	rising temperatures cause the poles to melt, and the melting poles in turn
	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.
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 sun rises in the east and sets in the west, does the sun rise
	[repeating]
OPT	Because rising temperatures cause the poles to melt, but is not connected
	to the sea level which is caused by melting poles. The answer is no.
	Q: If the sun is shining and the moon is shining. Does the sun shine?
	[continued]

"If rising	temperatures cause people to walk faster and fast walking people cause
the sea le	evel to rise. Do rising temperatures cause the sea level to rise?"
GPT-4	Yes, if rising temperatures cause people to walk faster and fast walking
	people cause the sea level to rise, then rising temperatures indirectly
	cause the sea level to rise.
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.
Luminou	s 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 sun rises in the east and sets in the west, does the sun
	[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, will the sea level rise?
	[continued]
_	temperatures cause people to walk faster and melting poles cause the
sea level	to rise. Do rising temperatures cause the sea level to rise?"
_	to rise. Do rising temperatures cause the sea level to rise?" Yes, indirectly, rising temperatures can cause the sea level to rise. This is
sea level	to rise. Do rising temperatures cause the sea level to rise?" Yes, indirectly, rising temperatures can cause the sea level to rise. This is because rising temperatures can cause the polar ice caps to melt, which
sea level GPT-4	to rise. Do rising temperatures cause the sea level to rise?" Yes, indirectly, rising temperatures can cause the sea level to rise. This is because rising temperatures can cause the polar ice caps to melt, which in turn raises the sea level.
sea level	to rise. Do rising temperatures cause the sea level to rise?" Yes, indirectly, rising temperatures can cause the sea level to rise. This is because rising temperatures can cause the polar ice caps to melt, which in turn raises the sea level. Because rising temperatures are not connected to melting poles, which
sea level GPT-4 GPT-3	to rise. Do rising temperatures cause the sea level to rise?" Yes, indirectly, rising temperatures can cause the sea level to rise. This is because rising temperatures can cause the polar ice caps to melt, which in turn raises the sea level. Because rising temperatures are not connected to melting poles, which is the main cause of the sea level rising. The answer is no.
sea level GPT-4 GPT-3	to rise. Do rising temperatures cause the sea level to rise?" Yes, indirectly, rising temperatures can cause the sea level to rise. This is because rising temperatures can cause the polar ice caps to melt, which in turn raises the sea level. Because rising temperatures are not connected to melting poles, which is the main cause of the sea level rising. The answer is no. s Because rising temperatures cause people to walk faster, but is not con-
sea level GPT-4 GPT-3	to rise. Do rising temperatures cause the sea level to rise?" Yes, indirectly, rising temperatures can cause the sea level to rise. This is because rising temperatures can cause the polar ice caps to melt, which in turn raises the sea level. Because rising temperatures are not connected to melting poles, which is the main cause of the sea level rising. The answer is no.
sea level GPT-4 GPT-3	Yes, indirectly, rising temperatures cause the sea level to rise?" Yes, indirectly, rising temperatures can cause the sea level to rise. This is because rising temperatures can cause the polar ice caps to melt, which in turn raises the sea level. Because rising temperatures are not connected to melting poles, which is the main cause of the sea level rising. The answer is no. Because rising temperatures cause people to walk faster, but is not connected to melting poles which cause the sea level to rise. The answer is no.
sea level GPT-4 GPT-3	Yes, indirectly, rising temperatures cause the sea level to rise?" Yes, indirectly, rising temperatures can cause the sea level to rise. This is because rising temperatures can cause the polar ice caps to melt, which in turn raises the sea level. Because rising temperatures are not connected to melting poles, which is the main cause of the sea level rising. The answer is no. Secause rising temperatures cause people to walk faster, but is not connected to melting poles which cause the sea level to rise. The answer is no. Q: If the sun rises in the east and sets in the west, does the sun rise
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sea level GPT-4 GPT-3	Yes, indirectly, rising temperatures cause the sea level to rise?" Yes, indirectly, rising temperatures can cause the sea level to rise. This is because rising temperatures can cause the polar ice caps to melt, which in turn raises the sea level. Because rising temperatures are not connected to melting poles, which is the main cause of the sea level rising. The answer is no. Secause rising temperatures cause people to walk faster, but is not connected to melting poles which cause the sea level to rise. The answer is no. Q: If the sun rises in the east and sets in the west, does the sun rise [repeating] Because rising temperatures cause people to walk faster, but are not
sea level GPT-4 GPT-3 Luminou	Yes, indirectly, rising temperatures cause the sea level to rise?" Yes, indirectly, rising temperatures can cause the sea level to rise. This is because rising temperatures can cause the polar ice caps to melt, which in turn raises the sea level. Because rising temperatures are not connected to melting poles, which is the main cause of the sea level rising. The answer is no. Secause rising temperatures cause people to walk faster, but is not connected to melting poles which cause the sea level to rise. The answer is no. Q: If the sun rises in the east and sets in the west, does the sun rise [repeating] Because rising temperatures cause people to walk faster, but are not connected to melting poles which cause the sea level to rise. The answer
sea level GPT-4 GPT-3 Luminou	Yes, indirectly, rising temperatures can cause the sea level to rise?" Yes, indirectly, rising temperatures can cause the sea level to rise. This is because rising temperatures can cause the polar ice caps to melt, which in turn raises the sea level. Because rising temperatures are not connected to melting poles, which is the main cause of the sea level rising. The answer is no. Secause rising temperatures cause people to walk faster, but is not connected to melting poles which cause the sea level to rise. The answer is no. Q: If the sun rises in the east and sets in the west, does the sun rise [repeating] Because rising temperatures cause people to walk faster, but are not connected to melting poles which cause the sea level to rise. The answer is no.
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sea level GPT-4 GPT-3 Luminou	Yes, indirectly, rising temperatures can cause the sea level to rise?" Yes, indirectly, rising temperatures can cause the sea level to rise. This is because rising temperatures can cause the polar ice caps to melt, which in turn raises the sea level. Because rising temperatures are not connected to melting poles, which is the main cause of the sea level rising. The answer is no. Secause rising temperatures cause people to walk faster, but is not connected to melting poles which cause the sea level to rise. The answer is no. Q: If the sun rises in the east and sets in the west, does the sun rise [repeating] Because rising temperatures cause people to walk faster, but are not connected to melting poles which cause the sea level to rise. The answer is no.

level to ri	se. Do fast walking people cause the sea level to rise?"
GPT-4	Assuming the hypothetical situation where fast walking people cause the
	poles to melt and melting poles cause the sea level to rise, then yes, fast
	walking people would indirectly cause the sea level to rise. However, in
	reality, fast walking people do not cause
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	s Because fast walking people 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 sun causes the sea level to rise and shining light bulbs cause
	moths
OPT	[repeating]
01 1	Because fast walking people cause the poles to melt, but are not connected to the sea level which is caused by melting poles. The answer is
	no.
	Q: If the sun causes the sea level to rise and the sea level causes the poles
	to melt. Does the sun cause the poles to melt?
	[continued]
"If rising	temperatures cause the poles to melt and melting poles cause people to
walk faste	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-
	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
T .	to rise. The answer is no.
Luminous	s 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 sun rises in the east and sets in the west, does the sun rise in [repeating]
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 sun is hot and the moon is cold. Does the sun cause the moon
	to be cold?
	[continued]

"If fast walking people cause the poles to melt and melting poles cause the sea

1.2 Natural Language Concepts (Chain of Thought; Prefix Samples 2) - Imaginary Concepts

"If Qu	ab causes Blaong and Blaong causes Wahrg. Does Quab cause Wahrg?"
GPT-4	Yes, if Quab causes Blaong and Blaong causes Wahrg, then Quab indi-
	rectly causes Wahrg.
GPT-3	Because Quab causes Blaong and Blaong causes Wahrg, Quab causes
	Wahrg. The answer is yes.
Lumin	nous Because Quab causes Blaong and Blaong causes Wahrg, but is not con-
	nected to Quab which causes Wahrg. The answer is no.
	Q: If Quab causes Blaong and Blaong causes Wahrg. Does Quab
	[repeating]
OPT	Because Quab causes Blaong and Blaong causes Wahrg, Quab 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?"
GF	PT-4 No, Wahrg does not cause Quab. The cause and effect relationship ye

"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 Quab causes Blaong and Blaong causes Wahrg, Wahrg does cause Quab. The answer is yes.

Luminous Because Quab causes Blaong and Blaong causes Wahrg, but is not connected to Wahrg which causes Quab. The answer is no.

Q: If Quab causes Blaong and Blaong causes Wahrg. Does Wahrg [repeating]

OPT Because Quab causes Blaong and Blaong causes Wahrg, but Wahrg does not cause Quab. The answer is no.

Q: If Quab causes Blaong and Blaong causes Wahrg. Does Wahrg cause Quab?

[continued]

	"If Wahrg causes	Quab and	Quab causes	Blaong, I	Ooes Wahrg	cause Blaong?"
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- GPT-4 Yes, if Wahrg causes Quab and Quab causes Blaong, then Wahrg indirectly causes Blaong.
- 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, but is not connected to Blaong which causes Wahrg. The answer is no.

Q: If the sun causes the earth to heat up and the earth causes the sun to [repeating]

OPT Because Wahrg causes Quab and Quab causes Blaong, Wahrg causes Blaong. The answer is yes.

Q: If a man is in a room with a woman and a man is in a room with

"If Wahrg causes Quab and Quab causes Blaong. Does Blaong cause Wahrg?"

- GPT-4 No, Blaong does not cause Wahrg. The sequence is Wahrg causes Quab and Quab causes Blaong. There is no information given that suggests Blaong causes Wahrg.
- GPT-3 Because Wahrg causes Quab and Quab causes Blaong, Blaong does cause Wahrg. The answer is yes.
- Luminous Because Wahrg causes Quab and Quab causes Blaong, but is not connected to Blaong which causes Wahrg. The answer is no.

Q: If the sun causes the earth to heat and the earth causes the sun to shine

[repeating]

OPT Because Wahrg causes Quab and Quab causes Blaong, but Wahrg is not connected to Blaong. The answer is no.

Q: If a man is in a room with a man and a woman and the man is in the room with the woman and the woman is in the room with the man. Is the man in the room with the woman?

[continued]

"If Blaons	g causes Wahrg and Wahrg causes Quab. Does Blaong cause Quab?"
GPT-4	Yes, if Blaong causes Wahrg and Wahrg causes Quab, then Blaong indi-
	rectly 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, but Blaong is
	not connected to Quab. The answer is no.
	Q: If Blaong causes Wahrg and Wahrg causes Quab. Does Blaong cause
	Qu
	[repeating]
OPT	Because Blaong causes Wahrg, but is not connected to Quab. The answer
	is no.
	Q: If a man is in a room with a man and a woman and the man is in
	the room with the woman. Does the man in the room with the woman
	cause the woman to appear?
	[continued]
	g causes Wahrg and Wahrg causes Quab. Does Quab cause Blaong?"
GPT-4	Based on the information given, no, Quab does not cause Blaong. The
	relationship described is one way: Blaong causes Wahrg, and Wahrg
	causes Quab. It does not indicate that Quab causes Blaong.
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, but Quab does
	not cause Blaong. The answer is no.
	Q: If Blaong causes Wahrg and Wahrg causes Quab. Does Quab cause
	Blaong
ODT	[repeating]
OPT	Because Blaong causes Wahrg and Wahrg causes Quab, but Quab does
	not cause Blaong. The answer is no.
	Q: If Blaong causes Wahrg and Wahrg causes Quab. Does Quab cause Blaong?
	[continued]
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1.3 Natural Language Concepts (Chain of Thought; Prefix Samples 2) - Mixed Concepts

"If Quab causes Blaong and Blaong causes the sea level to rise. Does Quab cause

II de dado	causes Blacing and Blacing causes the sea level to lise. Bees quas cause
the sea le	vel to rise?"
GPT-4	Yes, if Quab causes Blaong and Blaong causes the sea level to rise, then
	Quab indirectly causes the sea level to rise.
GPT-3	Because Quab causes Blaong and Blaong causes the sea level to rise,
	Quab causes the sea level to rise. The answer is yes.
Luminous	Because Quab causes Blaong and Blaong causes the sea level to rise, but
	is not connected to Quab which causes the sea level to rise. The answer
	is no.
	Q: If the sun causes the earth to heat up and
	[repeating]
OPT	Because Quab causes Blaong, but Blaong does not cause the sea level to
	rise. The answer is no.
	Q: If the sea level rises, does the sea level rise?
	[continued]
"If Qu	ab causes Blaong and Aiftan causes the sea level to rise. Does Quab cause
the se	a level to rise?"
GPT-	Based on the information given, Quab causes Blaong, but there is no
	connection stated between Quab and the sea level rising. So, no, Quab
	does not cause the sea level to rise.
GPT-	Because Quab causes Blaong and Aiftan causes the sea level to rise, Quab
	does not have a direct impact on the sea level. The answer is no.
Lumir	nous Because Quab causes Blaong and Aiftan causes the sea level to rise, but
	is not connected to Quab which causes the sea level to rise. The answer
	is no.
	Q: If the sun causes the earth to heat up
	[repeating]
OPT	Because Quab causes Blaong and Aiftan causes the sea level to rise, Quab
	causes the sea level to rise. The answer is yes.

Q: If the sun causes the earth to rotate and the earth causes the sun to

rise. Does the sun cause the earth to rotate?

[continued]

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_	temperatures cause Quab and Quab causes the sea level to rise. Do
	aperatures cause the sea level to rise?"
GPT-4	Yes, if rising temperatures cause Quab and Quab causes the sea level to
	rise, then 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, but is not connected to rising temperatures which cause the sea
	level to rise. The answer is no.
	Q: If the sun causes the earth to heat up and
	[repeating]
OPT	Because rising temperatures cause Quab, but Quab does not 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 Quab and Aiftan causes the sea level to rise. Does
rising tem	peratures cause the sea level to rise?"
GPT-4	If rising temperatures cause Quab and Quab causes Aiftan, and Aiftan
	causes the sea level to rise, then yes, rising temperatures would indirectly
	cause the sea level to rise.
GPT-3	Because rising temperatures cause Quab and Aiftan, which in turn causes
	the sea level to rise. The answer is yes.
Luminous	Because rising temperatures cause Quab and Aiftan causes the sea level
	to rise, but is not connected to rising temperatures which cause the sea
	level to rise. The answer is no.
	Q: If the sun causes the earth to heat up
	[repeating]
OPT	Because rising temperatures cause Quab and Aiftan, but is not connected
	to the sea level which allows for moths to appear. The answer is no.
	Q: If the sun causes the earth to rotate and the earth rotating causes the
	moon to appear. Does the sun cause the moon to appear?
	[continued]