

Full set of paradigms in 📄

The following contains specific examples for each of the 67 paradigms in 📄. All sentences are drawn from the actual dataset within the first ten examples.

Caveats about certain paradigms: Some paradigms include less-than-optimal factors that may influence interpretation. We list here those that we are aware of, and we welcome feedback about additional caveats that we have failed to include.

- Several paradigms within ‘Anaphor agreement’ and ‘Binding’ rely on stereotyped gender assignment. We restricted the names in our vocabulary to names that are often stereotyped to be ‘male’ or ‘female’, but note that this erases the possibility of capturing LM’s knowledge of using non-binary pronouns. We mark sentences like ‘Mary hugged themselves’ as unacceptable and never include possibilities like ‘Mary hugged themself.’
- The unacceptable examples in ‘Irregular forms’ and ‘Subject-Verb agreement’ are used in some nonstandard American English dialects. Some speakers of American English would accept a sentence like ‘Suzy don’t lie,’ but we mark these as unacceptable based on Mainstream American English judgments. This makes assessment of LMs’ knowledge of acceptable non-standard forms impossible using 📄.

How to read these tables:

- Each pair is marked for whether it is acceptable with the 1- or 2- prefix method. All sentences are valid for the simple LM method.
- If one of these methods applies, the relevant word for one-prefix method or two-prefix method is bolded.
- If a sentence has a checkmark (✓) under the ‘1pfx’ column, this means that the sentence can be used with the 1-prefix method in addition to the simple LM method. The bolded word is the critical word – the probability of the two different critical words for the acceptable and unacceptable sentences can be compared based on the same ‘prefix’.
- If a sentence has a checkmark (✓) under the ‘2pfx’ column, this means that the sentence can be used with the 2-prefix method in addition to the simple LM method. The bolded word is the critical word – the probability of that particular word can be compared based on the two different acceptable and unacceptable sentences.

Phenomenon	UID	1pfx	2pfx	Acceptable Example	Unacceptable Example
Anaphor agreement	anaphor_gender_agreement	✓		Katherine can't help herself .	Katherine can't help himself .
	anaphor_number_agreement	✓		Many teenagers were helping themselves .	Many teenagers were helping herself .
Argument structure	animate_subject_passive	✓		Amanda was respected by some waitresses .	Amanda was respected by some picture .
	animate_subject_trans		✓	Danielle visited Irene.	The eye visited Irene.
	causative			Aaron breaks the glass.	Aaron appeared the glass.
	drop_argument			The Lutherans couldn't skate around.	The Lutherans couldn't disagree with.
	inchoative			A screen was fading.	A screen was cleaning.
	intransitive			Some glaciers are vaporizing.	Some glaciers are scaring.
	passive_1			Jeffrey's sons are insulted by Tina's supervisor.	Jeffrey's sons are smiled by Tina's supervisor.
	passive_2			Most cashiers are disliked.	Most cashiers are flirted.
	transitive		✓	A lot of actresses' nieces have toured that art gallery.	A lot of actresses' nieces have coped that art gallery.
Binding	principle_A_c_command	✓		A lot of actresses that thought about Alice healed themselves .	A lot of actresses that thought about Alice healed herself .
	principle_A_case_1	✓		Tara thinks that she sounded like Wayne.	Tara thinks that herself sounded like Wayne.
	principle_A_case_2	✓		Stacy imagines herself praising this actress.	Stacy imagines herself praises this actress.
	principle_A_domain_1	✓		Carlos said that Lori helped him .	Carlos said that Lori helped himself .
	principle_A_domain_2	✓		Mark imagines Erin might admire herself .	Mark imagines Erin might admire himself .
	principle_A_domain_3		✓	Nancy could say every guy hides himself .	Every guy could say Nancy hides himself .
	principle_A_reconstruction			It's herself who Karen criticized.	It's herself who criticized Karen.

Phenomenon	UID	1pfx	2pfx	Acceptable Example	Unacceptable Example
Control/ raising	existential_there_object _raising		✓	William has declared there to be no guests getting fired.	William has obliged there to be no guests getting fired.
	existential_there_subject _raising			There was bound to be a fish escaping.	There was unable to be a fish escaping.
	expletive_it_object_raising		✓	Carla could declare it to be not so important that these doctors observe Rhonda.	Carla could convince it to be not so important that these doctors observe Rhonda.
	tough_vs_raising_1			Julia wasn't fun to talk to.	Julia wasn't unlikely to talk to.
	tough_vs_raising_2			Rachel was apt to talk to Alicia.	Rachel was exciting to talk to Alicia.
Deter- miner- Noun agr.	determiner_noun_agreement_1	✓		Craig explored that grocery store .	Craig explored that grocery stores .
	determiner_noun_agreement_2		✓	Carl cures those horses .	Carl cures that horses .
	determiner_noun_agreement _irregular_1	✓		Phillip was lifting this mouse .	Phillip was lifting this mice .
	determiner_noun_agreement _irregular_2		✓	Those ladies walk through those oases .	Those ladies walk through that oases .
	determiner_noun_agreement _with_adj_1	✓		Tracy praises those lucky guys .	Tracy praises those lucky guys .
	determiner_noun_agreement _with_adj_2		✓	Some actors buy these gray books .	Some actors buy this gray books .
	determiner_noun_agreement _with_adj_irregular_1	✓		This person shouldn't criticize this upset child .	This person shouldn't criticize this upset children .
	determiner_noun_agreement _with_adj_irregular_2		✓	That adult has brought that purple octopus .	That adult has brought those purple octopus .

Phenomenon	UID	1pfx	2pfx	Acceptable Example	Unacceptable Example
Ellipsis	ellipsis_n_bar_1			Brad passed one big museum and Eva passed several.	Brad passed one museum and Eva passed several big.
	ellipsis_n_bar_2			Curtis's boss discussed four sons and Andrew discussed five sick sons.	Curtis's boss discussed four happy sons and Andrew discussed five sick.
Filler gap	wh_questions_object_gap			Joel discovered the vase that Patricia might take.	Joel discovered what Patricia might take the vase.
	wh_questions_object_gap_long_distance			Laurie forgot some alumnus that most organizations that competed have known.	Laurie forgot who most organizations that competed have known some alumnus.
	wh_questions_subject_gap			Cheryl thought about some dog that upset Sandra.	Cheryl thought about who some dog upset Sandra.
	wh_questions_subject_gap_long_distance			Susan won't discover a car that Jane admired that is aggravating a lot of cashiers.	Susan won't discover who a car that Jane admired is aggravating a lot of cashiers."
	wh_vs_that_no_gap			Danielle finds out that many organizations have alarmed Chad.	Danielle finds out who many organizations have alarmed Chad.
	wh_vs_that_no_gap_long_distance			Most cashiers conceal that most guys that can run around a cafe had skated around those banks.	Most cashiers conceal what most guys that can run around a cafe had skated around those banks.
	wh_vs_that_with_gap			Nina has learned who most men sound like.	Nina has learned that most men sound like.
	wh_vs_that_with_gap_long_distance			Martin did find out what every cashier that shouldn't drink wore.	Martin did find out that every cashier that shouldn't drink wore.
Irregular forms	irregular_past_participle_adjectives		✓	The forgotten newspaper article was bad.	The forgot newspaper article was bad.
	irregular_past_participle_verbs	✓		Edward hid the cats.	Edward hidden the cats.

Phenomenon	UID	1pfx	2pfx	Acceptable Example	Unacceptable Example
Island effects	adjunct_island				
	complex_NP__island			Who hadn't some driver who would fire Jennifer's colleague embarrassed?	Who hadn't Jennifer's colleague embarrassed some driver who would fire?
	coordinate_structure _constraint_complex_left _branch		✓	What lights could Spain sell and Andrea discover?	What could Spain sell lights and Andrea discover?
	coordinate_structure _constraint_object_extraction			Who should Keith and Andrea climb up?	Who should Keith climb up and Andrea?
	left_branch_island_echo _question			David would cure what snake?	What would David cure snake ?
	left_branch_island_simple _question			Whose hat should Tonya wear?	Whose should Tonya wear hat?
	sentential_subject_island			Who have many women's touring Spain embarrassed.	Who have many women's touring embarrassed Spain.
	wh_island		✓	What could Alan discover he has run around?	What could Alan discover who has run around?
NPI licensing	matrix_question_npi_licensor _present		✓	Should Monica ever grin?	Monica should ever grin.
	npi_licensor_present_1	✓		Even these trucks have often slowed.	Even these trucks have ever slowed.
	npi_licensor_present_2	✓		Many skateboards also roll.	Many skateboards ever roll.
	only_npi_licensor_present		✓	Only Bill would ever complain.	Even Bill would ever complain.
	only_npi_scope		✓	Only those doctors who Karla respects ever conceal many snakes.	Those doctors who only Karla respects ever conceal many snakes.
	sentential_negation_npi _licensor_present		✓	Those banks had not ever lied.	Those banks had really ever lied.
	sentential_negation_npi_scope		✓	Those turtles that are boring April could not ever break those couches.	Those turtles that are not boring April could ever break those couches.

Phenomenon	UID	1pfx	2pfx	Acceptable Example	Unacceptable Example
Quantifiers	existential_there_quantifiers_1			There aren't many lights darkening.	There aren't all lights darkening.
	existential_there_quantifiers_2			Each book is there disturbing Margaret.	There is each book disturbing Margaret.
	superlative_quantifiers_1			No man has revealed more than five forks.	No man has revealed at least five forks.
	superlative_quantifiers_2		✓	An actor arrived at at most six lakes.	No actor arrived at at most six lakes.
Subject- Verb agr.	distractor_agreement _relational_noun	✓		A sketch of lights doesn't appear.	A sketch of lights don't appear.
	distractor_agreement_relative _clause		✓	Boys that aren't disturbing Natalie suffer .	Boys that aren't disturbing Natalie suffers .
	irregular_plural_subject_verb _agreement_1	✓		This goose isn't bothering Edward.	This goose weren't bothering Edward.
	irregular_plural_subject_verb _agreement_2		✓	The woman cleans every public park.	The women cleans every public park.
	regular_plural_subject_verb _agreement_1	✓		Jeffrey hasn't criticized Donald.	Jeffrey hasn't criticized Donald.
	regular_plural_subject_verb _agreement_2		✓	The dress crumples .	The dresses crumples .