

Moreover, while (4a) in the relevant reading lacks the uniqueness presupposition that is derived by ANS_D , there is evidence that the question does carry a uniqueness presupposition, viz. the presupposition that only one letter is actually missing. This uniqueness presupposition is diagnosed by the infelicity of (6), which is intuited to stem from the fact that more than one letter is shown to be missing in $f_ _ m$.

(6) #Which letter could be missing in $f_ _ m$?

Apparently, then, (4a) need not be interpreted as “What is the (unique) letter than could be missing in $fo_ _ m$?”, but can instead mean “What could be the (unique) letter that is missing in $fo_ _ m$?”. Since in the latter paraphrase, the uniqueness presupposition’s content is confined to the scope of *could*, we refer to the relevant reading of (4a) as instantiating “low uniqueness”. While (4a) is a constructed example, Appendix B provides naturally occurring examples that confirm the existence of low uniqueness. As further evidence, we add that *which*-phrases containing numerals, which also introduce uniqueness presuppositions ([5],[7]), allow for low uniqueness as well. This is illustrated by the observation that (7a) allows for a non-contradictory response of the form in (7b), in conjunction with the observation that (8) is judged infelicitous.

(7) a. Which two letters could be missing in $f_ _ m$?

b. It could be *i* and *l*, it could be *i* and *r*, it could be *o* and *a*, and it could be *o* and *r*.

(8) #Which two letters could be missing in $_ _ _ m$?

6. The dilemma resolved. Since ANS_D applies to the question as a whole, the content of the uniqueness presupposition it triggers must include the modal’s contribution in cases like (4a). With the modal escaping the content of the uniqueness presupposition, low uniqueness is beyond the reach of ANS_D . Uniqueness must therefore be contributed by a scope-bearing element within the question, which can scope below the modal. The notion of answerhood is thus relieved from the burden of having to derive uniqueness presuppositions in *which*-questions, removing the obstacle to adopting ANS_F as the source of mention-some.

7. A new path to uniqueness. We hypothesize that *which* itself triggers the uniqueness presupposition, and, as a proof of concept, propose the following. *Which* is what [4] calls a *parametrized determiner*: applied to an individual, its denotation returns a function from two properties to a proposition; so the *which*-phrase denotes a generalized quantifier and hence can undergo quantifier raising; *which* underlyingly combines with the covert question-forming operator Q , which extracts from the *which*-phrase to take widest scope, leaving behind an individual-type trace that serves as *which*’s parameter argument. The question in (4a) will then allow for a logical form like the one sketched in (9), where the *which*-phrase scopes below *could*.

(9) **low uniqueness**

$Q \lambda_1 [\text{could} [[\text{which } t_1] \text{ letter}] \lambda_2 [t_2 \text{ missing}]]$
‘what could be the letter that is missing?’

(10) **high uniqueness**

$Q \lambda_1 [[\text{which } t_1] \text{ letter}] \lambda_2 [\text{could } [t_2 \text{ missing}]]$
‘what is the letter that could be missing?’

This logical form delivers the intended low uniqueness interpretation if *which* is assigned the particular parameterized determiner denotation in (11). According to (11), *which* triggers a uniqueness presupposition; in (9), that a unique letter is missing. Assuming that this presupposition projects past *could*, it will be carried by each answer, hence by the question as a whole, capturing the low uniqueness.

(11) $[[\text{which}]] = \lambda x_e. \lambda f_{e(st)}. \lambda g_{e(st)}. \lambda w_s. \exists! y[f(y)(w) \wedge g(y)(w)]. x = \iota y[f(y)(w) \wedge g(y)(w)]$

In addition to (9), (4a) is expected to allow for a logical form like (10), where the *which*-phrase outscopes *could*. This analysis predicts a “high uniqueness” reading that is similar to the interpretation derived with ANS_D . Cases like (4a) indeed seem to allow for such a reading as well, as is suggested by the coherence of texts like in (12), where speaker A states explicitly that the low presupposition is not satisfied.

(12) A: There may not be any letter missing in *fad*. But if one is missing, there is only one possibility.

B: Which letter could be missing?

8. Conclusion. Through novel observations about scope, we have argued that the source of uniqueness presuppositions with singular *which* must be separate from the answer operator. This in turn makes it possible to maintain Fox’s operator ANS_F as an account of mention-some.

Appendix A: two answer operators

- (i) a. $ANS_D = \lambda Q. \lambda w: \exists p[p(w) \wedge p \in Q \wedge \forall q[q(w) \wedge q \in Q \rightarrow p \subseteq q]]$.
 $\iota p[p(w) \wedge p \in Q \wedge \forall q[q(w) \wedge q \in Q \rightarrow p \subseteq q]]$ (Dayal 1996)
- b. $ANS_F = \lambda Q. \lambda w: \exists p[p(w) \wedge p \in Q \wedge \neg \exists q[q(w) \wedge q \in Q \wedge q \subset p]]$.
 $\{p \mid p(w) \wedge p \in Q \wedge \neg \exists q[q(w) \wedge q \in Q \wedge q \subset p]\}$ (Fox 2013)

Appendix B: attested (Googled) examples of low uniqueness

- (ii) a. Which team could win the Stanley Cup next year? There are multiple answers and ...
- b. Besides Ronaldo and Messi, which player could win the Ballon D'or? ... Neymar going by the records will be the first one to strike anyone's mind. In the current crop, two other names based on current form that deserves mentions are Harry Kane and Eden Hazard.

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