Wh-islands:

1. Null-complementizer
2. That-complementizer
3. Wh-complementizer

3 x 2 x 2 = 12 conditions

Sample sentence from Wilcox et al. 2018:

[I know]prefix [that/what]filler [my brother]subj1 [said]verb1 [null/that/whether]comp [our aunt]subj2 [devoured]embed\_verb [the cake]obj [at the party.]cont

Sentence template:

Prefix + [filler] + subj1 + verb1 + [comp] + subj2 + embed\_verb + [obj gap] + continuation

A complete set of conditions in one item:

[-filler, -gap]

I know [that] my brother said [null] our aunt devoured the cake at the party.

I know [that] my brother said [that] our aunt devoured the cake at the party.

I know [that] my brother said [whether] our aunt devoured the cake at the party.

[-filler, +gap]

I know [that] my brother said [null] our aunt devoured [ \_\_ ] at the party.

I know [that] my brother said [that] our aunt devoured [ \_\_ ] at the party.

I know [that] my brother said [whether] our aunt devoured [ \_\_ ] at the party.

[+filler, -gap]

I know [what] my brother said [null] our aunt devoured the cake at the party.

I know [what] my brother said [that] our aunt devoured the cake at the party.

I know [what] my brother said [whether] our aunt devoured the cake at the party.

[+filler, +gap]

I know [what] my brother said [null] our aunt devoured [ \_\_ ] at the party.

I know [what] my brother said [that] our aunt devoured [ \_\_ ] at the party.

I know [what] my brother said [whether] our aunt devoured [ \_\_ ] at the party.

Verbs: transitive, one-place predicates only

continuation/modifier: any PP, even instrumental PP

Sentences:

1. [The teacher discovered]\_prefix [that/what]\_filler [the student]\_subj1 [claimed]\_verb1 [null/that/whether]\_comp [his friend]\_subj2 [lost]\_embed\_verb [the textbook]\_obj [during the field trip.]\_cont

[-filler, -gap]

The teacher discovered that the student claimed [null] his friend lost the textbook during the field trip.

The teacher discovered that the student claimed [that] his friend lost the textbook during the field trip.

The teacher discovered that the student claimed [whether] his friend lost the textbook during the field trip.

[-filler, +gap]

The teacher discovered that the student claimed [null] his friend lost [ \_\_ ] during the field trip.

The teacher discovered that the student claimed [that] his friend lost [ \_\_ ] during the field trip.

The teacher discovered that the student claimed [whether] his friend lost [ \_\_ ] during the field trip.

[+filler, -gap]

The teacher discovered what the student claimed [null] his friend lost the textbook during the field trip.

The teacher discovered what the student claimed [that] his friend lost the textbook during the field trip.

The teacher discovered what the student claimed [whether] his friend lost the textbook during the field trip.

[+filler, +gap]

The teacher discovered what the student claimed [null] his friend lost [ \_\_ ] during the field trip.

The teacher discovered what the student claimed [that] his friend lost [ \_\_ ] during the field trip.

The teacher discovered what the student claimed [whether] his friend lost [ \_\_ ] during the field trip.

1. [The manager realized]\_prefix [that/what]\_filler [the assistant]\_subj1 [mentioned]\_verb1 [null/that/whether]\_comp [the intern]\_subj2 [submitted]\_embed\_verb [the report]\_obj [before the deadline.]\_cont
2. [The journalist found out]\_prefix [that/what]\_filler [the senator]\_subj1 [admitted]\_verb1 [null/that/whether]\_comp [his aide]\_subj2 [leaked]\_embed\_verb [the documents]\_obj [during the press briefing.]\_cont
3. [Alex realized]\_prefix [that/what]\_filler [his boss]\_subj1 [hinted]\_verb1 [null/that/whether]\_comp [the secretary]\_subj2 [forgot]\_embed\_verb [the appointment]\_obj [on Monday.]\_cont
4. [The student noticed]\_prefix [that/what]\_filler [the librarian]\_subj1 [stated]\_verb1 [null/that/whether]\_comp [the volunteer]\_subj2 [misplaced]\_embed\_verb [the key]\_obj [at the circulation desk.]\_cont
5. [The supervisor predicted]\_prefix [that/what]\_filler [the engineer]\_subj1 [confirmed]\_verb1 [null/that/whether]\_comp [the technician]\_subj2 [installed]\_embed\_verb [the new software]\_obj [on the main server.]\_cont
6. [She learned]\_prefix [that/what]\_filler [her cousin]\_subj1 [revealed]\_verb1 [null/that/whether]\_comp [the babysitter]\_subj2 [lost]\_embed\_verb [the house keys]\_obj [after the party.]\_cont
7. [The researcher revealed]\_prefix [that/what]\_filler [the scientist]\_subj1 [argued]\_verb1 [null/that/whether]\_comp [the assistant]\_subj2 [contaminated]\_embed\_verb [the sample]\_obj [during the experiment.]\_cont
8. [Maria said]\_prefix [that/what]\_filler [her friend]\_subj1 [claimed]\_verb1 [null/that/whether]\_comp [the musician]\_subj2 [recorded]\_embed\_verb [the new song]\_obj [at the downtown studio.]\_cont
9. [The professor suspected]\_prefix [that/what]\_filler [the student]\_subj1 [claimed]\_verb1 [null/that/whether]\_comp [her roommate]\_subj2 [borrowed]\_embed\_verb [the laptop]\_obj [without asking.]\_cont
10. [The witness saw]\_prefix [that/what]\_filler [the driver]\_subj1 [stated]\_verb1 [null/that/whether]\_comp [the passenger]\_subj2 [hid]\_embed\_verb [the package]\_obj [under the seat.]\_cont
11. [You mentioned]\_prefix [that/what]\_filler [your coworker]\_subj1 [stated]\_verb1 [null/that/whether]\_comp [the intern]\_subj2 [sent]\_embed\_verb [the wrong file]\_obj [to the client.]\_cont
12. [The team discovered]\_prefix [that/what]\_filler [the coach]\_subj1 [mentioned]\_verb1 [null/that/whether]\_comp [the player]\_subj2 [dropped]\_embed\_verb [the ball]\_obj [during the crucial play.]\_cont
13. [The editor confirmed]\_prefix [that/what]\_filler [the author]\_subj1 [admitted]\_verb1 [null/that/whether]\_comp [his assistant]\_subj2 [typed]\_embed\_verb [the wrong draft]\_obj [before submission.]\_cont
14. [The lawyer suspected]\_prefix [that/what]\_filler [the defendant]\_subj1 [said]\_verb1 [null/that/whether]\_comp [his brother]\_subj2 [destroyed]\_embed\_verb [the evidence]\_obj [after the trial.]\_cont
15. [The coordinator found out]\_prefix [that/what]\_filler [the volunteer]\_subj1 [claimed]\_verb1 [null/that/whether]\_comp [the participant]\_subj2 [damaged]\_embed\_verb [the microphone]\_obj [during the panel discussion.]\_cont
16. [The analyst realized]\_prefix [that/what]\_filler [the investor]\_subj1 [hinted]\_verb1 [null/that/whether]\_comp [the advisor]\_subj2 [miscalculated]\_embed\_verb [the expenses]\_obj [during the audit.]\_cont
17. [The nurse reported]\_prefix [that/what]\_filler [the doctor]\_subj1 [said]\_verb1 [null/that/whether]\_comp [the intern]\_subj2 [administered]\_embed\_verb [the wrong medicine]\_obj [to the patient.]\_cont
18. [John noticed]\_prefix [that/what]\_filler [his classmate]\_subj1 [mentioned]\_verb1 [null/that/whether]\_comp [the librarian]\_subj2 [found]\_embed\_verb [the missing book]\_obj [in the archives.]\_cont
19. [You discovered]\_prefix [that/what]\_filler [your roommate]\_subj1 [said]\_verb1 [null/that/whether]\_comp [the delivery guy]\_subj2 [left]\_embed\_verb [the package]\_obj [outside the door.]\_cont