

1. Task 1:

Sentences of four experimental conditions and one control condition will be presented in random order for participants to judgement their grammaticality on a Likert scale of 1 to 5, 1 being unacceptable at all, 5 being perfectly acceptable. Experiment will only progress until the participant click on the scale without time restriction. Each condition has five sentences, and the control condition has five sentences. Detailed information of experimental conditions is provided in Table 1.

| Scope assignment Logical operator | Ambiguous | Unambiguous |
|--------------------------------------|---|--|
| Conjunction | <i>Pat didn't enter the room and see her.</i> | <i>It is not true that Pat entered the room and saw her.</i> |
| Disjunction | <i>Pat didn't enter the room or see her.</i> | <i>It is not true that Pat entered the room or saw her.</i> |

Table 1: sentence types in Task 1

The road wasn't very wide or easy to find.

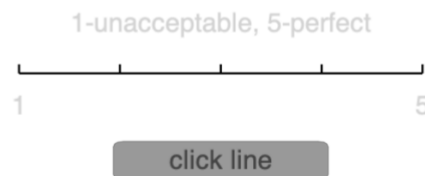


Figure 1: illustration of the testing screen

2. Task 2:

After reading a story scenario, participants will be presented a picture for 2 seconds and asked to judge the truth value of statement based on the information provided in the story and picture. There is no time limit in making the judgement. Only “y”, “n”, and “space”

(to skip the question) are accepted to progress forward to the next question. In total there will be $5(\text{animals}) \times 3(\text{award}) \times 4(\text{judgement}) = 60$ items

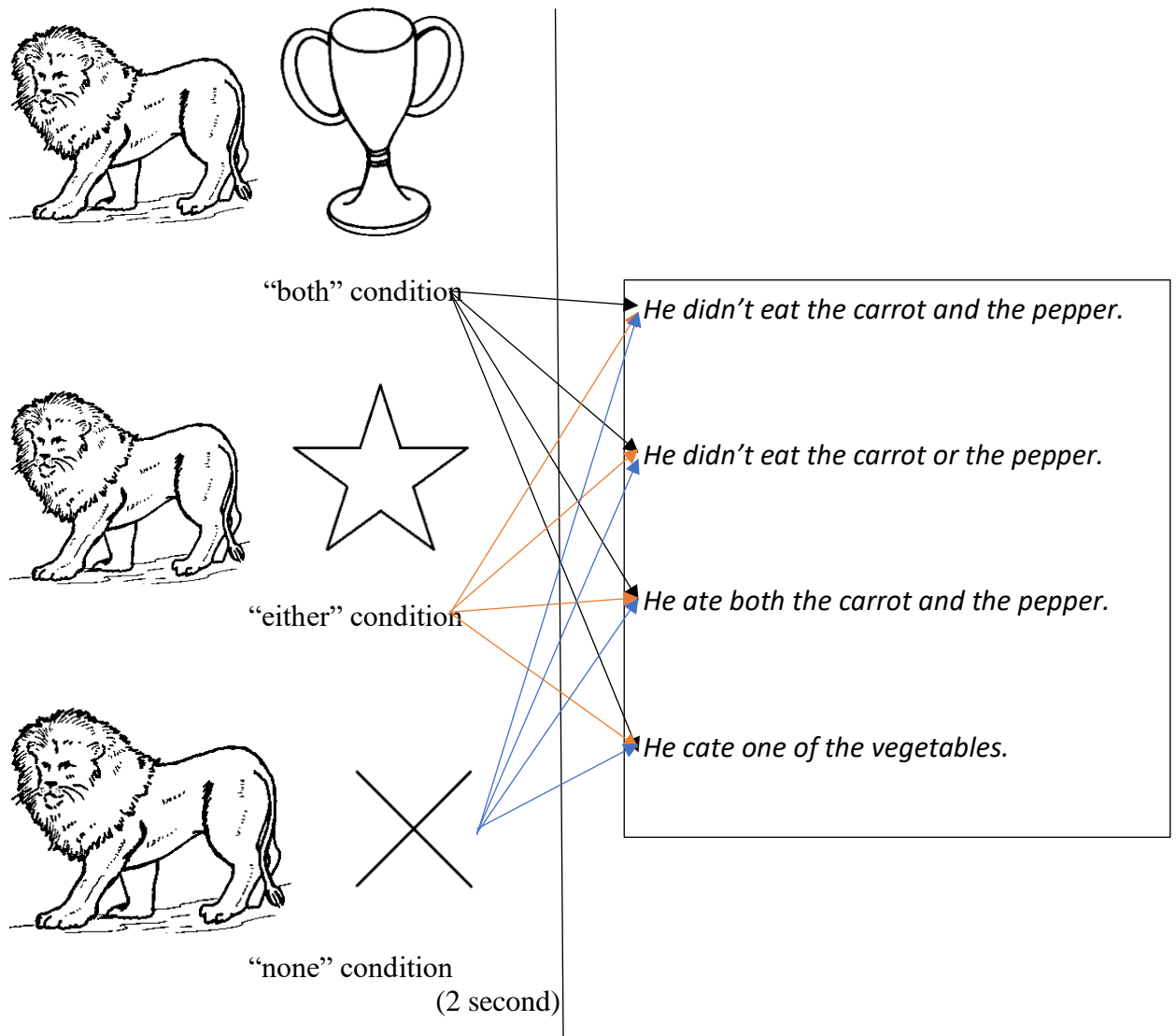


Figure 2: Flow of Task 2