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# Part 1

1. Test strategy

I test these sentences to make the grammar work normally.

1). “fido feeds the dog with biscuits”. Of course, this is the given sentence and it must be parse correctly.

2). “fido feeds the dog”. This sentence is to test NPs without PP and it successes.

3). “fido feeds puppies with the dog with biscuits”. Testing this sentence is to make sure PP 🡪 P NP and NPpl 🡪 Npl PP work well.

4). “biscuits feed the dog with fido”. Though this sentence makes no sense, I just to confirm subject-verb agreement (S 🡪 NPsg VPsg and S 🡪 NPpl VPpl).

# Part 2

1. Test strategy

I firstly test the sentence (“the teacher slept”, success) to confirm my grammar and features work well. Then I test all the sentences given in the assignment to make sure my grammar could meet the basic requirement and all the roles of verbs are assigned correctly. Also , I test whether the transitive verb and the intransitive verb can be distinguished well (“the student promised to sleep” and “the student tried the teacher to sleep”, all fail). At the same time, I test the noun phase (“student appeared the teacher to sleep”, fail). Of course, I don’t pay more attention to the noun phase so it just meet the rule (NP 🡪 det N).