

Question 1

Let us agree on a vocabulary, so that everyone can work on the same syntactic representations:

Proper nouns:	john mary
Common nouns:	doctor spy
Intersective adjectives:	martian happy
Intransitive verbs:	sleeps works
Transitive verbs:	loves hates
Copula:	is
Articles:	a
Quantifiers:	every some no

Your program should generate a random model on this vocabulary and return true or false for a given sentence constructed from this vocabulary. You can find some test sentences and their applicative structures [here](#). You may find some Python goodies under code/util.