Assignment 2:

Part 1 – Weights:

1. The program generate so many long sentences because, there are rules ,in the grammar file, which build from themselves. Such as 'NP NP PP' and 'PP Prep NP'.

Those rules could make infinite sentences and therefore there are many long sentences.

1. Because there only one rule that allows it, all the rules have the same probability to be used, therefore this rule is not used many times compare to the others.
2. For making the sentences shorter and the adjectives more frequent, we can increase the weight of the 'NP Det Noun', which cause the other rules of NP tree to be less used, so the sentence will not be so long and by using more the rule ' Noun Adj Noun' the sentences will include more adjectives.