Short Reflection

By altering the x value, we essentially control how far or close we are from the most likely continuation of a word where the lowest numbered x is the most likely continuation. This influences the randomness of the output and also the overall creativity and coherence of the poem. The P+7 transformation is expected to produce a more subtle change to the meaning of the poem. With these changes, the output often still remains grammatically sound and somewhat contextually relevant which results in a poem that retains its original essence but with a slight twist. This should lead to a fresh perspective without significantly changing the overall meaning. With the P+X transformation, I decided to choose a number that would be much higher so that the changes become more drastic and unpredictable as the model would select less likely continuations. While this can generate intriguing and creative language, it can also sacrifice the poem's original coherence and can create grammatically incorrect phrases. To my surprise, although the poem was indeed less coherent and the meaning was changed quite drastically, the phrases were still grammatically correct. The way I would implement the P+7 technique on all nouns would be similar to the current implementation but with slight modifications. I would first find all the nouns in the text using an imported library, then using the get_top_k_continuations function, I would get the 7 most likely continuations of each noun, filtering the list and finding only nouns. I would then replace the original noun with the 7th element of the continuation list, after ensuring that it is also a noun. Finally, I would reconstruct the text with the replaced nouns.