1. Let’s consider the following system for generation of poetry. It learns Markov chains (of some higher order) of words from a given corpus. It then generates random sequences of 10 words using this Markov chain. If the 5th and the 10th word rhyme, it outputs the text.

Characterize this system using the following concepts of Wiggins (“creativity as search”). NB: there are several ways of answering these questions.

- What is the search space and what are the “rules” R that define it?

- What are the evaluation criteria E?

- What is the search/traversal method T?

2. Is it possible that the system runs into

- generative uninspiration: impossible/possible/probable? why?

- aberration: impossible/possible/probable? why?
3. Think of possible ways to make the system self-aware in the following aspects. How could it obtain information about each aspect? How could it use that information to control the behavior of the system? Again, there are lots of possible answers!

- Artifact-awareness

- Generator-awareness

- Goal-awareness

- Interaction-awareness

- Time-awareness