CS 341, Spring 2008 Solutions for Quiz 1, Day Section

- 1. (a) ε , bb, abb, bab, bba, aabb
 - (b) A is not closed under concatenation. For example, the strings $bb \in A$ and $abb \in A$, but their concatenation $bbabb \notin A$ since $n_b(bbabb) = 4$ and $4 \mod 3 = 1 \neq 2$.
 - (c) A DFA for A is below:

