1. Using the *rex-to-ndfa* construction construct an ndfa which accepts the language

\[ L((a + b)^* b (a + bb)^*) \]

1b. Now construct an equivalent ndfa *heuristically* (i.e. using *seat of pant’s* approach)

2. Consider the following GTG

2a. Sketch the complete GTG

2b. Find an equivalent GTG with only two states.

2c. Find a regular expression for the language accepted by this graph