1. Read Kozen Lectures 28–33.

2. Give an informal description of the operation of a Turing machine that accepts 
\
\(\{ww^R \mid w \in \{0, 1\}^*\}\) (where \(w^R\) denotes the reverse of \(w\)). Your description should be 
at the level of the descriptions given in class or in Kozen Lecture 29 of the TM that 
accepts \(\{ww \mid w \in \Sigma^*\}\). In particular, do not give a list of transitions.

3. Design an enumeration machine to enumerate \(\{0^n1^n \mid n \geq 1\}\). Your description should 
be informal (no transitions) but precise.

4. Do exercise 2 parts (a), (b), (c), of Homework 8 in the Kozen text, p. 309.