1. VERYEQUAL is the language ($\Sigma = \{a, b, c\}$) as all strings that have as many total $a$’s as total $b$’s as total $c$’s.
   - Draw a TM that accepts VERYEQUAL
   - Draw a PM that accepts VERYEQUAL
   - Draw a 3PDA that accepts VERYEQUAL
   - Draw a 2PDA that accepts VERYEQUAL

2. Draw a 2PDA that accepts EVEN-EVEN and keeps at most two letters in its STACKs.

3. Show that each of the following languages is recursive by finding a TM that accepts them and crashes on strings in their complement.
   - EVEN-EVEN
   - EQUAL

4. Decode the following words from CWL into their corresponding TMs and determine which are in ALAN and which are in MATHISON.
   - $abaabbbbab$
   - $abaabaaabbaaabababbb$
   - $abaabaaabaaaabababab$