Exercise 10
Generalize Best First Search: Part I

The same rewrite system from the last exercise will by used:

- $R1 : C \longrightarrow (D, L)$
- $R2 : C \longrightarrow (B, M)$
- $R3 : B \longrightarrow (M, M)$
- $R4 : Z \longrightarrow (B, B, M)$

Provide a file with the following (in this order):

- Formulate a set of templates representing the AND/OR graph.
- The term, for example (C, B, Z) should be represented as a list within the template
- Provide a set of rules, begining with expand-AND-node, which expands the list into individual lists of one letter each
- Provide a rule, found-goal-node, which identifies a goal node
- Provide a (some) rule(s) which labels a subtree as **Solved** or **Unsolved**.
- Provide two examples of your data structure, one where the root node will be labeled **Solved** and one in which the root node would be labeled **Unsolved**

Each part should be sufficiently documented