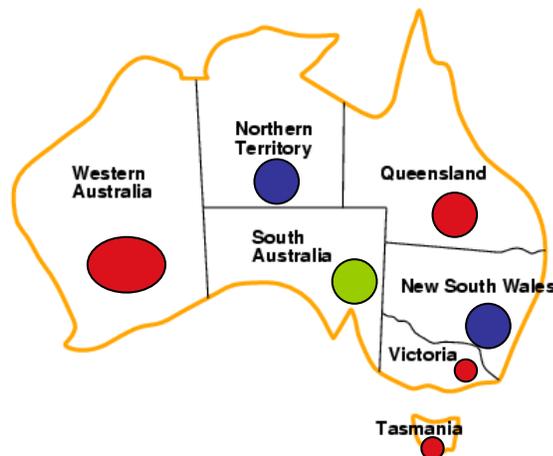**Question 1.**

Consider the following map. The task is to color the map using the three colors Red, Blue, and Green, such that no two adjacent regions take the same color.
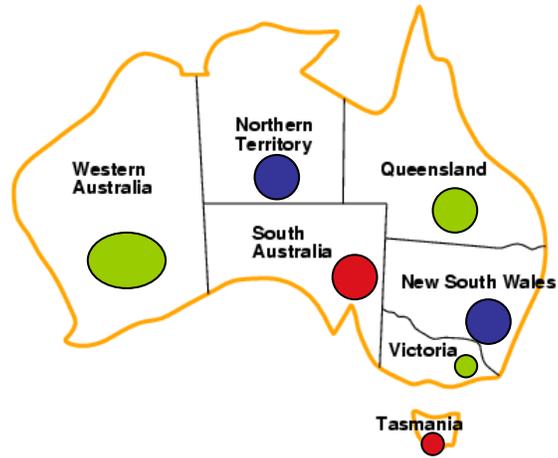

1. Color the map using:

   a. Backtracking Search with MRV heuristic, LVC an FC.

b. Backtracking Search with MCV heuristic.

Question 2 – Answer:

| 1 AI | 2 DB | 3 AI |
| 4 M | 5 P | 6 M |