**BackTracking + FC + Singleton – With LCS Heuriatics**

**A picture containing room

Description automatically generated**

Time taken: 0.0008182525634765625

Backtrack Count 0

Visited Node {'Mississippi', 'Texas', 'Ohio', 'Alabama', 'Oklahoma', 'Maryland', 'Idaho', 'Nebraska', 'NewYork', 'Georgia', 'Pennsylvania', 'RhodeIsland', 'Arkansas', 'NewHampshire', 'Indiana', 'Nevada', 'Kansas', 'Missouri', 'Iowa', 'NorthCarolina', 'Illinois', 'NewJersey', 'Arizona', 'NorthDakota', 'Maine', 'Louisiana', 'SouthCarolina', 'Kentucky', 'Massachusetts', 'Minnesota', 'Delaware', 'California', 'Florida', 'Tennessee', 'Virginia', 'Oregon', 'Montana', 'Michigan', 'Colorado', 'Hawaii', 'Wisconsin', 'Vermont', 'Utah', 'SouthDakota', 'Washington', 'Alaska', 'Connecticut', 'WestVirginia', 'Wyoming', 'NewMexico'}

Assigned Color to state Washington -> ['Red']

Assigned Color to state Oregon -> ['Green']

Assigned Color to state California -> ['Red']

Assigned Color to state Nevada -> ['Blue']

Assigned Color to state Idaho -> ['Yellow']

Assigned Color to state Montana -> ['Red']

Assigned Color to state Wyoming -> ['Green']

Assigned Color to state Utah -> ['Red']

Assigned Color to state Arizona -> ['Green']

Assigned Color to state NewMexico -> ['Blue']

Assigned Color to state Colorado -> ['Yellow']

Assigned Color to state NorthDakota -> ['Green']

Assigned Color to state SouthDakota -> ['Blue']

Assigned Color to state Nebraska -> ['Red']

Assigned Color to state Kansas -> ['Green']

Assigned Color to state Oklahoma -> ['Red']

Assigned Color to state Texas -> ['Green']

Assigned Color to state Minnesota -> ['Red']

Assigned Color to state Iowa -> ['Green']

Assigned Color to state Missouri -> ['Blue']

Assigned Color to state Arkansas -> ['Yellow']

Assigned Color to state Louisiana -> ['Red']

Assigned Color to state Mississippi -> ['Green']

Assigned Color to state Alabama -> ['Blue']

Assigned Color to state Florida -> ['Red']

Assigned Color to state Georgia -> ['Green']

Assigned Color to state SouthCarolina -> ['Red']

Assigned Color to state NorthCarolina -> ['Blue']

Assigned Color to state Tennessee -> ['Red']

Assigned Color to state Kentucky -> ['Green']

Assigned Color to state Virginia -> ['Yellow']

Assigned Color to state Delaware -> ['Red']

Assigned Color to state Maryland -> ['Green']

Assigned Color to state WestVirginia -> ['Red']

Assigned Color to state Ohio -> ['Blue']

Assigned Color to state Indiana -> ['Red']

Assigned Color to state Illinois -> ['Yellow']

Assigned Color to state Wisconsin -> ['Blue']

Assigned Color to state Michigan -> ['Green']

Assigned Color to state Pennsylvania -> ['Yellow']

Assigned Color to state NewJersey -> ['Green']

Assigned Color to state Connecticut -> ['Red']

Assigned Color to state RhodeIsland -> ['Green']

Assigned Color to state NewYork -> ['Blue']

Assigned Color to state Vermont -> ['Red']

Assigned Color to state NewHampshire -> ['Green']

Assigned Color to state Massachusetts -> ['Yellow']

Assigned Color to state Maine -> ['Red']

Assigned Color to state Alaska -> ['Red']

Assigned Color to state Hawaii -> ['Red']

statecount: 50

In [ ]:

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