```
colors = ['Red','Blue','Green']
states = ['Nagpur','Thane','Pune','Mumbai']
neighbors = {}
neighbors['Nagpur'] = ['Thane','Pune']
neighbors['Thane'] = ['Nagpur','Pune','Mumbai']
neighbors['Pune'] = ['Nagpur','Thane','Mumbai']
neighbors['Mumbai'] = ['Thane','Pune']
colors_of_states = {}
def promising(state, color):
  for neighbor in neighbors.get(state):
    color_of_neighbor = colors_of_states.get(neighbor)
    if color_of_neighbor == color:
      return False
  return True
def get_color_for_state(state):
  for color in colors:
    if promising(state, color):
      return color
def main():
  for state in states:
    colors_of_states[state] = get_color_for_state(state)
  print(colors_of_states)
main()
```