Problem:

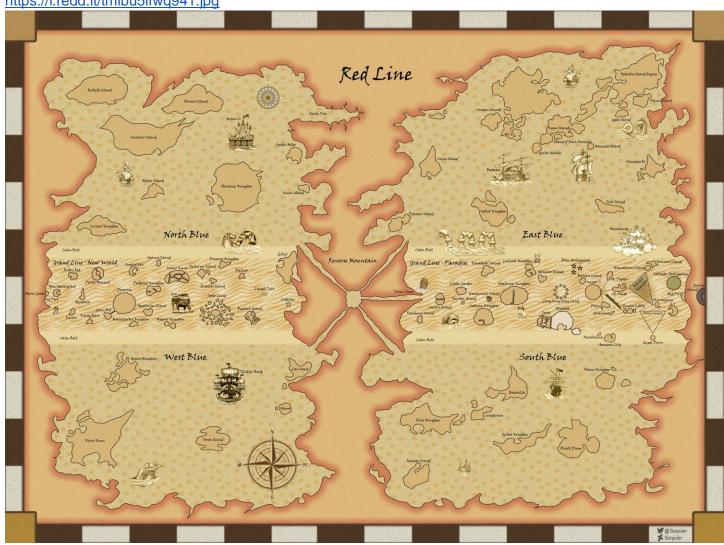**One Piece**

Given the following map :

https://i.redd.it/tmlbu5lfwq941.jpg

Connect all the islands (specified below) in the above map using the least number of wires and satisfying the below conditions:

- ○ The only way to go from one "Blue" to another is via the reverse mountain.
  - ■ Exception: North Blue and West Blue.
- ○ Islands to consider:
  - ■ North Blue
    - ● Rubeck Island (2000)
    - ● Germa 66 (1500)
    - ● Flevance Kingdom (6546)
  - ■ West Blue (10000)
  - ■ East Blue
    - ● Baratie (70)
    - ● Dawn Island (2133)
  - ■ South Blue (65466)

- Choose an appropriate network address and using a quarter of the total IPs you took, create subnets to assign to each of the places.
- Assign IP addresses to all the devices and interfaces.
- Mary Geoise (321) has a web server to send notice to everyone about the Government.
- Establish connections among all the networks with the shortest route possible.
    - Must have at least one floating route.
    - Must have a backup system to handle missing routing entries.
    - Configure at least two networks to have dynamic routing
- Showing 2 end devices per network is good enough to represent the whole population.
    - Mary Geoise has laptops and printers
- You need to be able to ping each other after all the setups are complete.

Deliverables
- The network mentioned above should be implemented in packet tracer, with necessary devices and full configuration.
- After completion you should be able to test the conditions imposed.
- As hardcopies, you will have to submit the followings:
    - Network topology diagram with proper labels
    - The configurations of all the routers that you have implemented.
    - VLSM/Network address table.
    - IP address table