**Topic 04  
The Pirates [One Piece]**

* Given, the following pirate groups.
  + Straw Hat Grand Fleet - 750 pirates
  + Red-Haired Pirates - 1111 pirates
  + The Blackbeard Pirates - 1266 pirates
  + Big Mom Pirates - 3541 pirates
  + Animal Kingdom Pirates - 9843 pirates
  + Mary Geoise - 321 people
* Connect the above emperors satisfying the requirements below
  + Straw Hats and Red-Haired are friends.
  + Animal Kingdom and Big Mom were friends, but now are enemies.
  + Red-Haired is seen to meet the Higher Ups in the Mary Geoise a few times.
  + The Blackbeard Pirates are not on good terms with anyone. So, none wants to visit him nor does he want to visit anyone.
  + Straw Hats wants to attack Mary Geoise but cannot directly go there.
  + The Animal Kingdom pirates are not in good terms with Red-haired.
  + However, the Red-hairs can visit Big-Mom indirectly.
  + In the end, everyone can visit Mary Geoise except Blackbeard.
  + Straw Hats can reach Animal Kingdom Pirates via Big-Mom pirates as well.
  + Straw hats can also reach Mary Geoise directly but, it will only use the route if Red-Haired is dead.
  + \*All routers must have a backup system to handle missing routing entries.
  + \*Configure half of the network to be routed dynamically.
* Choose an appropriate network address, create subnets to assign to each of the places. Make sure to use the whole block of network address you chose.
* Assign IP addresses to all the devices and interfaces.
* Mary Geoise (321) has a web server to send notice to everyone about the Government.
* Showing 2 end devices per network is good enough to represent the whole population.
* 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