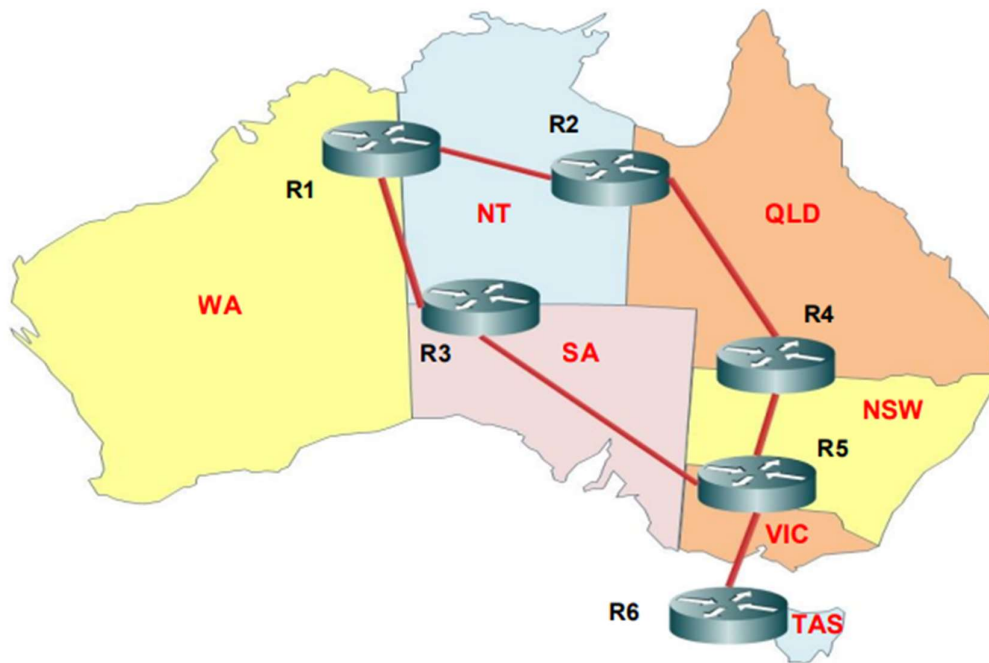


You have been appointed as a **Cloud Infrastructure Network Administrator** by **Amazon Web Services** to allocate public IP Version 4 (IPv4) addresses to connect the **Australian state datacentres of AWS** as shown in Figure 1. Use the any public IPv4 addresses for the public EC2 instances launched in Australian datacentres.



The number of required ips for each region is given below:

New South Wales (NSW):	6 million
Victoria (VIC):	4 million
Queensland (QLD):	3 million
Western Australia (WA):	2 million
South Australia (SA):	1 million
Tasmania (TAS):	300 thousand
Northern Territory (NT):	150 thousand

- Each region should have a unique set of addresses - no address or set of addresses can be reassigned to any other region.
- The number of allocated addresses for each region should not exceed by 20% of the specified Internet users for that region. For example, the assigned addresses for Tasmania should not exceed 360 thousand addresses.
- It is allowed to use one or more subnets to achieve the number of required addresses for a given region.