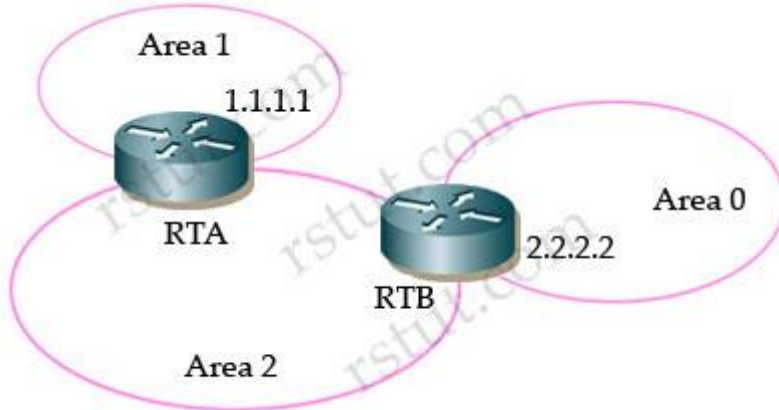


OSPF VIRTUAL LINK

How would you get the 1.1.1.1 network into the OSPF database?



Set up a virtual link between area 1 and area 0.

Recall that in OSPF, area 0 is called backbone area and all other areas connect directly to it. In the exhibit above, area 1 is not directly connected with area 0 so we need to set up a virtual link between area 1 & area 0, so that the networks in area 1 can be recognized in area 0. The virtual-link configuration is shown below:

```
RTB(config)#router ospf 1
RTB(config-router)#area 2 virtual-link 1.1.1.1
```

```
RTA(config)#router ospf 1
RTA(config-router)#area 2 virtual-link 2.2.2.2
```

Notice that the **router-id** in the “area ... virtual-link ” command is the router-id of the neighboring router.

