

```
OSPFRoute(Router, Network, Network, Cost) <-  
  OSPFLink(Router, Network, Cost).
```

```
OSPFRoute(Router, Network, NextHop, Cost) <-  
  OSPFLink(Router, NextHop, Cost1),  
  OSPFRoute(NextHop, Network, _, Cost2),  
  Cost = Cost1 + Cost2, Cost < MAX_COST.
```

```
nonMinNextHop(Router, Network, NextHop, Cost1) <-  
  OSPFRoute(Router, Network, NextHop, Cost1),  
  OSPFRoute(Router, Network, _, Cost2),  
  Cost1 > Cost2.
```

```
bestOSPFRoute(Router, Network, NextHop) <-  
  OSPFRoute(Router, Network, NextHop, Cost),  
  !nonMinNextHop(Router, Network, NextHop, Cost).
```