

**##R01##**

```

conf t
!
ip bgp-community new-format
!
route-map SET-COMMUNITY permit 10
 set community 100:1
!
router bgp 100
 address-family ipv4
  neighbor 192.168.17.7 weight 10
  neighbor 192.168.16.6 send-community both
  neighbor 192.168.16.6 route-map SET-COMMUNITY out
  neighbor 192.168.17.7 send-community both
  neighbor 192.168.17.7 route-map SET-COMMUNITY out
!
end

```

**##R06##**

```

conf t
!
ip bgp-community new-format
!
access-list 10 permit 172.16.14.14
!
route-map SET-ORIGIN-CODE permit 10
 match ip address 10
 set origin igp
!
route-map SET-ORIGIN-CODE permit 20
!
router bgp 101
 address-family ipv4
  neighbor 192.168.126.12 route-map SET-ORIGIN-CODE out
!
end

```

**##R07##**

```

conf t
!
ip bgp-community new-format
!
ip as-path access-list 10 permit 100$
!
ip prefix-list ONLY_32 seq 5 permit 0.0.0.0/0 ge 32
!
route-map DENY-32-FROM-AS100 deny 10
 match ip address prefix-list ONLY_32
 match as-path 10
!
route-map DENY-32-FROM-AS100 permit 20
 set metric 17
!
router bgp 102
 address-family ipv4
  neighbor 192.168.78.8 route-map DENY-32-FROM-AS100 out
!
end

```

**##R02##**

```

conf t
!
access-list 10 permit 5.5.5.5
!
route-map MED permit 10
 match ip address 10
 set metric 5
!
route-map MED permit 20
 set metric 100
!
router bgp 100
 address-family ipv4
  neighbor 192.168.26.6 weight 10
  neighbor 192.168.26.6 route-map MED out
!
end

```

**##R08##**

```

conf t
!
router bgp 103
 bgp default local-preference 130
!
end

```

**##R09##**

```

conf t
!
router bgp 103
 bgp default local-preference 130
!
end

```

**##R10##**

```
conf t
!  
router bgp 103  
  address-family ipv4  
    neighbor 8.8.8.8 soft-reconfiguration inbound  
    neighbor 9.9.9.9 soft-reconfiguration inbound  
    neighbor 11.11.11.11 soft-reconfiguration inbound  
!  
end
```

**##R12##**

```
conf t
!  
ip as-path access-list 12 permit _103$  
!  
route-map PREPEND permit 10  
  match as-path 12  
  set as-path prepend 104 104 104  
!  
route-map PREPEND permit 20  
!  
router bgp 104  
  address-family ipv4  
    neighbor 192.168.123.13 route-map PREPEND in  
!  
end
```

**##R11##**

```
conf t
!  
route-map LPR permit 10  
  set local-preference 150  
!  
router bgp 103  
  bgp default local-preference 150  
!  
  address-family ipv4  
    neighbor 192.168.113.13 route-map LPR in  
!  
end
```

**##R13##**

```
conf t
!  
ip as-path access-list 13 permit _102$  
!  
route-map SET-WEIGHT permit 10  
  match as-path 13  
  set weight 150  
!  
route-map SET-WEIGHT permit 20  
!  
router bgp 105  
  address-family ipv4  
    neighbor 192.168.93.9 default-originate  
    neighbor 192.168.113.11 default-originate  
    neighbor 192.168.113.11 route-map SET-WEIGHT in  
    neighbor 192.168.123.12 default-originate  
!  
end
```