**R1**

/system identity

set name=R1

/interface bridge

add name=bridge1 vlan-filtering=yes

/interface bridge port

add bridge=bridge1 interface=ether6

add bridge=bridge1 interface=ether4

add bridge=bridge1 interface=ether1 pvid=10

add bridge=bridge1 interface=ether2 pvid=20

/interface bridge vlan

add bridge=bridge1 tagged=ether6,ether4,bridge1 untagged=ether1 vlan-ids=10

add bridge=bridge1 tagged=ether6,ether4,bridge1 untagged=ether2 vlan-ids=20

add bridge=bridge1 tagged=ether6,ether4,bridge1 vlan-ids=30

/interface vlan

add interface=bridge1 name=vlan10 vlan-id=10

add interface=bridge1 name=vlan20 vlan-id=20

add interface=bridge1 name=vlan30 vlan-id=30

/ip address

add address=10.15.10.1/24 interface=vlan10 network=10.15.10.0

add address=10.15.20.1/24 interface=vlan20 network=10.15.20.0

add address=10.15.30.1/24 interface=vlan30 network=10.15.30.0

ip/dhcp-server/setup

**R2:**

system/identity/set name=R2

interface/bridge/add vlan-filtering=yes

interface/bridge/port/add bridge=bridge1 interface=ether1 pvid=30

interface/bridge/port/add bridge=bridge1 interface=ether6

interface/bridge/vlan/add bridge=bridge1 tagged=ether6 untagged=ether1 vlan-ids=30

**R3:**

interface/bridge/add name=bridge1 vlan-filtering=yes

interface/bridge/port/add bridge=bridge1 interface=ether1 pvid=10

interface/bridge/port/add bridge=bridge1 interface=ether2 pvid=20

interface/bridge/port add bridge=bridge1 interface=ether6

interface/bridge/port add bridge=bridge1 interface=ether5

interface/bridge/port add bridge=bridge1 interface=ether4

interface/bridge/vlan/add bridge=bridge1 tagged=ether6,ether5,ether4 untagged=ether1 vlan-ids=10

interface/bridge/vlan/add bridge=bridge1 tagged=ether6,ether5,ether4 untagged=ether2 vlan-ids=20

interface/bridge/vlan/add bridge=bridge1 tagged=ether4,ether5,ether6 vlan-ids=30

**R4:**

interface/bridge/add vlan-filtering=yes

interface/bridge/port/add bridge=bridge1 interface=ether1 pvid=30

interface/bridge/port/add bridge=bridge1 interface=ether6

interface/bridge/vlan/add bridge=bridge1 tagged=ether6 untagged=ether1 vlan-ids=30

