🛠 R1 – Router-on-a-Stick + Relay + směrování

```cisco
hostname R1
!
interface GigabitEthernet0/0
 description Trunk to S2
 no shutdown
 switchport trunk encapsulation dot1q
 switchport mode trunk
 switchport trunk native vlan 9
 switchport trunk allowed vlan 7,8,9
!
interface GigabitEthernet0/0.7
 encapsulation dot1Q 7
 ip address 56.44.7.1 255.255.255.0
 ip helper-address 56.44.56.2   ! ← R2 = DHCP server
!
interface GigabitEthernet0/0.8
 encapsulation dot1Q 8
 ip address 56.44.8.1 255.255.255.0
!
interface GigabitEthernet0/1
 description Link to R2
 ip address 56.44.56.1 255.255.255.252
 no shutdown
!
ip routing
!
ip route 56.44.100.1 255.255.255.255 56.44.56.2
!
end
```

🛠 S2 – VLANy, trunk, port-security

```cisco
hostname S2
!
vlan 7
 name Yellow
!
vlan 8
 name Management
!
vlan 9
 name Native
!
interface FastEthernet0/1
 description Trunk to R1
 switchport trunk encapsulation dot1q
 switchport mode trunk
 switchport trunk native vlan 9
 switchport trunk allowed vlan 7,8,9
!
interface FastEthernet0/2
 description PC ve VLAN 7
 switchport mode access
 switchport access vlan 7
 switchport port-security
 switchport port-security maximum 5
 switchport port-security mac-address sticky
 switchport port-security violation restrict
!
interface Vlan8
 ip address 56.44.8.2 255.255.255.0
 no shutdown
!
ip default-gateway 56.44.8.1
!
end
```

🛠 R2 – DHCP server + Loopback + směrování

```cisco
hostname R2
!
interface GigabitEthernet0/0
 description Link to R1
 ip address 56.44.56.2 255.255.255.252
 no shutdown
!
interface Loopback1
 ip address 56.44.100.1 255.255.255.255
!
ip dhcp excluded-address 56.44.7.1 56.44.7.10
!
ip dhcp pool VLAN7
 network 56.44.7.0 255.255.255.0
 default-router 56.44.7.1
 dns-server 8.8.8.8
 domain-name 242234.com
!
ip route 56.44.0.0 255.255.0.0 56.44.56.1
!
end
```