**计算机通信网络协议与安全**

**实验报告**

1. **实验信息**

实验平台：Ubuntu20.04

模拟环境：NS3

1. **实验需求与结果**

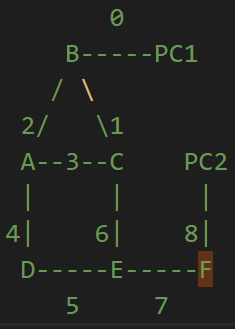
要求：基于NS3仿真平台中的RIPv2模块，验证RIP路由协议的收敛性和路由恢复能力等性能。

提交：（1）仿真代码； （2）仿真结果讨论提交内容：

1. **提交内容**

3.1 仿真结果讨论

本次实验设计的网络拓扑图：



共涉及8个节点，其中A,B,C,D,E,F均是使用RIPv2的router节点，并且C和B之间的cost为3，SRC和DST之间以ping进行通信，通过观察上述6个router节点的路由表，来检测RIP的收敛性。在模拟程序运行至30s时，EC之间的链接会被中断，来检测设置为毒性逆转策略的RIPv2的恢复能力。

根据附录得到的转发表随时间变化的结果显示，以上拓扑图从1s开始形成路由表，在13秒的时候实现了全节点的收敛。在30s破坏CE之间的连接后，53s时系统恢复。

可以发现，RIP在一定大小的网络中能够在13s实现路由收敛，但是在这个使用毒性逆转的情况下，该网络恢复能力还是较为有限的，需要23s才能实现路由的收敛。

3.2 仿真代码

#include <fstream>

#include "ns3/core-module.h"

#include "ns3/internet-module.h"

#include "ns3/csma-module.h"

#include "ns3/internet-apps-module.h"

#include "ns3/ipv4-static-routing-helper.h"

#include "ns3/ipv4-routing-table-entry.h"

#include "ns3/animation-interface.h"

#include "ns3/netanim-module.h"

//        0

//     B-----PC1

//    / \

//  2/   \1

//  A--3--C    PC2

//  |     |     |

// 4|    6|    8|

//  D-----E-----F

//     5     7

using namespace ns3;

NS\_LOG\_COMPONENT\_DEFINE ("RipSimpleRouting");

// 断开两个结点间的连接

void TearDownLink (Ptr<Node> nodeA, Ptr<Node> nodeB, uint32\_t interfaceA, uint32\_t interfaceB)

{

    nodeA->GetObject<Ipv4> ()->SetDown (interfaceA);

    nodeB->GetObject<Ipv4> ()->SetDown (interfaceB);

}

int main(int argc, char\*\* argv)

{

    CommandLine cmd;

    cmd.Parse (argc, argv);

    Config::SetDefault ("ns3::Rip::SplitHorizon", EnumValue (RipNg::POISON\_REVERSE));

    Ptr<Node> pc1 = CreateObject<Node>();

    Names::Add("Pc1Node", pc1);

    Ptr<Node> pc2 = CreateObject<Node>();

    Names::Add("Pc2Node", pc2);

    Ptr<Node> a = CreateObject<Node> ();

    Names::Add ("RouterA", a);

    Ptr<Node> b = CreateObject<Node> ();

    Names::Add ("RouterB", b);

    Ptr<Node> c = CreateObject<Node> ();

    Names::Add ("RouterC", c);

    Ptr<Node> d = CreateObject<Node> ();

    Names::Add ("RouterD", d);

    Ptr<Node> e = CreateObject<Node> ();

    Names::Add ("RouterE", e);

    Ptr<Node> f = CreateObject<Node> ();

    Names::Add ("RouterF", f);

    NodeContainer net1(pc1, b);

    NodeContainer net2(b, c);

    NodeContainer net3(a, b);

    NodeContainer net4(a, c);

    NodeContainer net5(a, d);

    NodeContainer net6(d, e);

    NodeContainer net7(c, e);

    NodeContainer net8(e, f);

    NodeContainer net9(f, pc2);

    NodeContainer routers(a, b, c, d, e);

    routers.Add(f);

    NodeContainer nodes(pc1, pc2);

    CsmaHelper csma;

    csma.SetChannelAttribute ("DataRate", DataRateValue (5000000));

    csma.SetChannelAttribute ("Delay", TimeValue (MilliSeconds (2)));

    NetDeviceContainer ndc1 = csma.Install (net1);

    NetDeviceContainer ndc2 = csma.Install (net2);

    NetDeviceContainer ndc3 = csma.Install (net3);

    NetDeviceContainer ndc4 = csma.Install (net4);

    NetDeviceContainer ndc5 = csma.Install (net5);

    NetDeviceContainer ndc6 = csma.Install (net6);

    NetDeviceContainer ndc7 = csma.Install (net7);

    NetDeviceContainer ndc8 = csma.Install (net8);

    NetDeviceContainer ndc9 = csma.Install (net9);

    RipHelper ripRouting;

    ripRouting.ExcludeInterface(b, 1);

    ripRouting.ExcludeInterface(f, 2);

    ripRouting.SetInterfaceMetric(b, 2, 3);

    ripRouting.SetInterfaceMetric(c, 1, 3);

    Ipv4ListRoutingHelper listRH;

    listRH.Add(ripRouting, 0);

    InternetStackHelper internet;

    internet.SetIpv6StackInstall(false);

    internet.SetRoutingHelper(listRH);

    internet.Install(routers);

    InternetStackHelper internetNodes;

    internetNodes.SetIpv6StackInstall(false);

    internetNodes.Install(nodes);

    Ipv4AddressHelper ipv4;

    ipv4.SetBase(Ipv4Address("10.0.0.0"), Ipv4Mask("255.255.255.0"));

    Ipv4InterfaceContainer iic1 = ipv4.Assign(ndc1);

    ipv4.SetBase(Ipv4Address("10.0.1.0"), Ipv4Mask("255.255.255.0"));

    Ipv4InterfaceContainer iic2 = ipv4.Assign(ndc2);

    ipv4.SetBase(Ipv4Address("10.0.2.0"), Ipv4Mask("255.255.255.0"));

    Ipv4InterfaceContainer iic3 = ipv4.Assign(ndc3);

    ipv4.SetBase(Ipv4Address("10.0.3.0"), Ipv4Mask("255.255.255.0"));

    Ipv4InterfaceContainer iic4 = ipv4.Assign(ndc4);

    ipv4.SetBase(Ipv4Address("10.0.4.0"), Ipv4Mask("255.255.255.0"));

    Ipv4InterfaceContainer iic5 = ipv4.Assign(ndc5);

    ipv4.SetBase(Ipv4Address("10.0.5.0"), Ipv4Mask("255.255.255.0"));

    Ipv4InterfaceContainer iic6 = ipv4.Assign(ndc6);

    ipv4.SetBase(Ipv4Address("10.0.6.0"), Ipv4Mask("255.255.255.0"));

    Ipv4InterfaceContainer iic7 = ipv4.Assign(ndc7);

    ipv4.SetBase(Ipv4Address("10.0.7.0"), Ipv4Mask("255.255.255.0"));

    Ipv4InterfaceContainer iic8 = ipv4.Assign(ndc8);

    ipv4.SetBase(Ipv4Address("10.0.8.0"), Ipv4Mask("255.255.255.0"));

    Ipv4InterfaceContainer iic9 = ipv4.Assign(ndc9);

    Ptr<Ipv4StaticRouting> staticRouting;

    staticRouting = Ipv4RoutingHelper::GetRouting<Ipv4StaticRouting>(pc1->GetObject<Ipv4>()->GetRoutingProtocol());

    staticRouting->SetDefaultRoute("10.0.0.2", 1);

    staticRouting = Ipv4RoutingHelper::GetRouting<Ipv4StaticRouting>(pc2->GetObject<Ipv4>()->GetRoutingProtocol());

    staticRouting->SetDefaultRoute("10.0.8.1", 1);

    RipHelper routingHelper;

    Ptr<OutputStreamWrapper> routingStream = Create<OutputStreamWrapper>(&std::cout);

    float time\_main = 0.0;

    float t = 0.0;

    for(int time\_part = 0 ; time\_part < 2; time\_part++){

        time\_main = float(29 \* time\_part);

        for(int time = 1; time < 10; time++){

            t = float(time);

            t += time\_main;

            routingHelper.PrintRoutingTableAt(Seconds(t), a, routingStream);

            routingHelper.PrintRoutingTableAt(Seconds(t), b, routingStream);

            routingHelper.PrintRoutingTableAt(Seconds(t), c, routingStream);

            routingHelper.PrintRoutingTableAt(Seconds(t), d, routingStream);

            routingHelper.PrintRoutingTableAt(Seconds(t), e, routingStream);

            routingHelper.PrintRoutingTableAt(Seconds(t), f, routingStream);

        }

    }

    uint32\_t packetSize = 1024;

    Time interPacketInterval = Seconds(1.0);

    V4PingHelper ping("10.0.8.2");

    ping.SetAttribute ("Interval", TimeValue (interPacketInterval));

    ping.SetAttribute ("Size", UintegerValue (packetSize));

    // ping的发起者pc1

    ApplicationContainer apps = ping.Install(pc1);

    apps.Start(Seconds(1.0));

    apps.Stop(Seconds(120.0));

    // 打开跟踪数据

    AsciiTraceHelper ascii;

    csma.EnableAsciiAll (ascii.CreateFileStream ("MyRip.tr"));

    csma.EnablePcapAll ("MyRip", true);

    // 定时断开C和E之间的连接

    Simulator::Schedule (Seconds (30), &TearDownLink, c, e, 3, 2);

    Simulator::Stop (Seconds (120.0));

    Simulator::Run ();

    Simulator::Destroy ();

}

附录-实验中的路由表变化：

Node: 2, Time: +1.0s, Local time: +1.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 2, Time: +1.0s, Local time: +1.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 3, Time: +1.0s, Local time: +1.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 3, Time: +1.0s, Local time: +1.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.0.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 4, Time: +1.0s, Local time: +1.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 4, Time: +1.0s, Local time: +1.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.6.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 5, Time: +1.0s, Local time: +1.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 5, Time: +1.0s, Local time: +1.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 6, Time: +1.0s, Local time: +1.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 6, Time: +1.0s, Local time: +1.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.6.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 7, Time: +1.0s, Local time: +1.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 7, Time: +1.0s, Local time: +1.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.8.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 2, Time: +2.0s, Local time: +2.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 2, Time: +2.0s, Local time: +2.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 3, Time: +2.0s, Local time: +2.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 3, Time: +2.0s, Local time: +2.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.0.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 4, Time: +2.0s, Local time: +2.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 4, Time: +2.0s, Local time: +2.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.6.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 5, Time: +2.0s, Local time: +2.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 5, Time: +2.0s, Local time: +2.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 6, Time: +2.0s, Local time: +2.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 6, Time: +2.0s, Local time: +2.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.6.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 7, Time: +2.0s, Local time: +2.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 7, Time: +2.0s, Local time: +2.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.8.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 2, Time: +3.0s, Local time: +3.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 2, Time: +3.0s, Local time: +3.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 3, Time: +3.0s, Local time: +3.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 3, Time: +3.0s, Local time: +3.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.0.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 4, Time: +3.0s, Local time: +3.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 4, Time: +3.0s, Local time: +3.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.6.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 5, Time: +3.0s, Local time: +3.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 5, Time: +3.0s, Local time: +3.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 6, Time: +3.0s, Local time: +3.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 6, Time: +3.0s, Local time: +3.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.6.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 7, Time: +3.0s, Local time: +3.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 7, Time: +3.0s, Local time: +3.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.8.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 2, Time: +4.0s, Local time: +4.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 2, Time: +4.0s, Local time: +4.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 3, Time: +4.0s, Local time: +4.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 3, Time: +4.0s, Local time: +4.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.0.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 4, Time: +4.0s, Local time: +4.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 4, Time: +4.0s, Local time: +4.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.6.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 5, Time: +4.0s, Local time: +4.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 5, Time: +4.0s, Local time: +4.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 6, Time: +4.0s, Local time: +4.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 6, Time: +4.0s, Local time: +4.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.6.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 7, Time: +4.0s, Local time: +4.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 7, Time: +4.0s, Local time: +4.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.8.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 2, Time: +5.0s, Local time: +5.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 2, Time: +5.0s, Local time: +5.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.1.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 3, Time: +5.0s, Local time: +5.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 3, Time: +5.0s, Local time: +5.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.0.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 4, Time: +5.0s, Local time: +5.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 4, Time: +5.0s, Local time: +5.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.2.0 10.0.1.1 255.255.255.0 UGS 4 - - 1

10.0.0.0 10.0.1.1 255.255.255.0 UGS 4 - - 1

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.6.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 5, Time: +5.0s, Local time: +5.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 5, Time: +5.0s, Local time: +5.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 6, Time: +5.0s, Local time: +5.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 6, Time: +5.0s, Local time: +5.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.8.0 10.0.7.2 255.255.255.0 UGS 2 - - 3

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.6.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 7, Time: +5.0s, Local time: +5.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 7, Time: +5.0s, Local time: +5.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.8.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 2, Time: +6.0s, Local time: +6.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 2, Time: +6.0s, Local time: +6.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.1.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 3, Time: +6.0s, Local time: +6.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 3, Time: +6.0s, Local time: +6.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.0.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 4, Time: +6.0s, Local time: +6.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 4, Time: +6.0s, Local time: +6.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.2.0 10.0.1.1 255.255.255.0 UGS 4 - - 1

10.0.0.0 10.0.1.1 255.255.255.0 UGS 4 - - 1

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.6.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 5, Time: +6.0s, Local time: +6.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 5, Time: +6.0s, Local time: +6.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 6, Time: +6.0s, Local time: +6.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 6, Time: +6.0s, Local time: +6.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.8.0 10.0.7.2 255.255.255.0 UGS 2 - - 3

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.6.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 7, Time: +6.0s, Local time: +6.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 7, Time: +6.0s, Local time: +6.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.8.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 2, Time: +7.0s, Local time: +7.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 2, Time: +7.0s, Local time: +7.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.1.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 3, Time: +7.0s, Local time: +7.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 3, Time: +7.0s, Local time: +7.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.0.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 4, Time: +7.0s, Local time: +7.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 4, Time: +7.0s, Local time: +7.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.2.0 10.0.1.1 255.255.255.0 UGS 4 - - 1

10.0.0.0 10.0.1.1 255.255.255.0 UGS 4 - - 1

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.6.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 5, Time: +7.0s, Local time: +7.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 5, Time: +7.0s, Local time: +7.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 6, Time: +7.0s, Local time: +7.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 6, Time: +7.0s, Local time: +7.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.8.0 10.0.7.2 255.255.255.0 UGS 2 - - 3

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.6.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 7, Time: +7.0s, Local time: +7.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 7, Time: +7.0s, Local time: +7.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.8.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 2, Time: +8.0s, Local time: +8.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 2, Time: +8.0s, Local time: +8.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.1.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 3, Time: +8.0s, Local time: +8.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 3, Time: +8.0s, Local time: +8.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.3.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.0.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 4, Time: +8.0s, Local time: +8.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 4, Time: +8.0s, Local time: +8.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.7.0 10.0.6.2 255.255.255.0 UGS 2 - - 3

10.0.5.0 10.0.6.2 255.255.255.0 UGS 2 - - 3

10.0.8.0 10.0.6.2 255.255.255.0 UGS 3 - - 3

10.0.2.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.0.0 10.0.3.1 255.255.255.0 UGS 3 - - 2

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.6.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 5, Time: +8.0s, Local time: +8.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 5, Time: +8.0s, Local time: +8.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.3.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.2.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.1.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.7.0 10.0.5.2 255.255.255.0 UGS 2 - - 2

10.0.6.0 10.0.5.2 255.255.255.0 UGS 2 - - 2

10.0.8.0 10.0.5.2 255.255.255.0 UGS 3 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 6, Time: +8.0s, Local time: +8.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 6, Time: +8.0s, Local time: +8.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.8.0 10.0.7.2 255.255.255.0 UGS 2 - - 3

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.6.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 7, Time: +8.0s, Local time: +8.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 7, Time: +8.0s, Local time: +8.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.6.0 10.0.7.1 255.255.255.0 UGS 2 - - 1

10.0.5.0 10.0.7.1 255.255.255.0 UGS 2 - - 1

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.8.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 2, Time: +9.0s, Local time: +9.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 2, Time: +9.0s, Local time: +9.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.6.0 10.0.3.2 255.255.255.0 UGS 2 - - 2

10.0.8.0 10.0.3.2 255.255.255.0 UGS 4 - - 2

10.0.5.0 10.0.3.2 255.255.255.0 UGS 3 - - 2

10.0.7.0 10.0.3.2 255.255.255.0 UGS 3 - - 2

10.0.1.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 3, Time: +9.0s, Local time: +9.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 3, Time: +9.0s, Local time: +9.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.6.0 10.0.1.2 255.255.255.0 UGS 4 - - 2

10.0.8.0 10.0.1.2 255.255.255.0 UGS 6 - - 2

10.0.5.0 10.0.1.2 255.255.255.0 UGS 5 - - 2

10.0.7.0 10.0.1.2 255.255.255.0 UGS 5 - - 2

10.0.4.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.3.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.0.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 4, Time: +9.0s, Local time: +9.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 4, Time: +9.0s, Local time: +9.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.7.0 10.0.6.2 255.255.255.0 UGS 2 - - 3

10.0.5.0 10.0.6.2 255.255.255.0 UGS 2 - - 3

10.0.8.0 10.0.6.2 255.255.255.0 UGS 3 - - 3

10.0.2.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.0.0 10.0.3.1 255.255.255.0 UGS 3 - - 2

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.6.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 5, Time: +9.0s, Local time: +9.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 5, Time: +9.0s, Local time: +9.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.3.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.2.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.1.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.7.0 10.0.5.2 255.255.255.0 UGS 2 - - 2

10.0.6.0 10.0.5.2 255.255.255.0 UGS 2 - - 2

10.0.8.0 10.0.5.2 255.255.255.0 UGS 3 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 6, Time: +9.0s, Local time: +9.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 6, Time: +9.0s, Local time: +9.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.3.0 10.0.6.1 255.255.255.0 UGS 2 - - 2

10.0.1.0 10.0.6.1 255.255.255.0 UGS 2 - - 2

10.0.0.0 10.0.6.1 255.255.255.0 UGS 4 - - 2

10.0.2.0 10.0.6.1 255.255.255.0 UGS 3 - - 2

10.0.4.0 10.0.6.1 255.255.255.0 UGS 3 - - 2

10.0.8.0 10.0.7.2 255.255.255.0 UGS 2 - - 3

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.6.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 7, Time: +9.0s, Local time: +9.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 7, Time: +9.0s, Local time: +9.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.6.0 10.0.7.1 255.255.255.0 UGS 2 - - 1

10.0.5.0 10.0.7.1 255.255.255.0 UGS 2 - - 1

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.8.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 2, Time: +10.0s, Local time: +10.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 2, Time: +10.0s, Local time: +10.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.6.0 10.0.3.2 255.255.255.0 UGS 2 - - 2

10.0.8.0 10.0.3.2 255.255.255.0 UGS 4 - - 2

10.0.5.0 10.0.4.2 255.255.255.0 UGS 2 - - 3

10.0.7.0 10.0.3.2 255.255.255.0 UGS 3 - - 2

10.0.1.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 3, Time: +10.0s, Local time: +10.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 3, Time: +10.0s, Local time: +10.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.6.0 10.0.2.1 255.255.255.0 UGS 3 - - 3

10.0.8.0 10.0.2.1 255.255.255.0 UGS 5 - - 3

10.0.5.0 10.0.2.1 255.255.255.0 UGS 4 - - 3

10.0.7.0 10.0.2.1 255.255.255.0 UGS 4 - - 3

10.0.4.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.3.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.0.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 4, Time: +10.0s, Local time: +10.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 4, Time: +10.0s, Local time: +10.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.7.0 10.0.6.2 255.255.255.0 UGS 2 - - 3

10.0.5.0 10.0.6.2 255.255.255.0 UGS 2 - - 3

10.0.8.0 10.0.6.2 255.255.255.0 UGS 3 - - 3

10.0.2.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.0.0 10.0.3.1 255.255.255.0 UGS 3 - - 2

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.6.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 5, Time: +10.0s, Local time: +10.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 5, Time: +10.0s, Local time: +10.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.3.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.2.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.1.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.7.0 10.0.5.2 255.255.255.0 UGS 2 - - 2

10.0.6.0 10.0.5.2 255.255.255.0 UGS 2 - - 2

10.0.8.0 10.0.5.2 255.255.255.0 UGS 3 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 6, Time: +10.0s, Local time: +10.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 6, Time: +10.0s, Local time: +10.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.3.0 10.0.6.1 255.255.255.0 UGS 2 - - 2

10.0.1.0 10.0.6.1 255.255.255.0 UGS 2 - - 2

10.0.0.0 10.0.6.1 255.255.255.0 UGS 4 - - 2

10.0.2.0 10.0.6.1 255.255.255.0 UGS 3 - - 2

10.0.4.0 10.0.5.1 255.255.255.0 UGS 2 - - 1

10.0.8.0 10.0.7.2 255.255.255.0 UGS 2 - - 3

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.6.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 7, Time: +10.0s, Local time: +10.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 7, Time: +10.0s, Local time: +10.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.6.0 10.0.7.1 255.255.255.0 UGS 2 - - 1

10.0.5.0 10.0.7.1 255.255.255.0 UGS 2 - - 1

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.8.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 2, Time: +11.0s, Local time: +11.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 2, Time: +11.0s, Local time: +11.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.6.0 10.0.3.2 255.255.255.0 UGS 2 - - 2

10.0.8.0 10.0.3.2 255.255.255.0 UGS 4 - - 2

10.0.5.0 10.0.4.2 255.255.255.0 UGS 2 - - 3

10.0.7.0 10.0.3.2 255.255.255.0 UGS 3 - - 2

10.0.1.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 3, Time: +11.0s, Local time: +11.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 3, Time: +11.0s, Local time: +11.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.6.0 10.0.2.1 255.255.255.0 UGS 3 - - 3

10.0.8.0 10.0.2.1 255.255.255.0 UGS 5 - - 3

10.0.5.0 10.0.2.1 255.255.255.0 UGS 4 - - 3

10.0.7.0 10.0.2.1 255.255.255.0 UGS 4 - - 3

10.0.4.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.3.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.0.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 4, Time: +11.0s, Local time: +11.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 4, Time: +11.0s, Local time: +11.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.7.0 10.0.6.2 255.255.255.0 UGS 2 - - 3

10.0.5.0 10.0.6.2 255.255.255.0 UGS 2 - - 3

10.0.8.0 10.0.6.2 255.255.255.0 UGS 3 - - 3

10.0.2.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.0.0 10.0.3.1 255.255.255.0 UGS 3 - - 2

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.6.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 5, Time: +11.0s, Local time: +11.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 5, Time: +11.0s, Local time: +11.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.3.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.2.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.1.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.7.0 10.0.5.2 255.255.255.0 UGS 2 - - 2

10.0.6.0 10.0.5.2 255.255.255.0 UGS 2 - - 2

10.0.8.0 10.0.5.2 255.255.255.0 UGS 3 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 6, Time: +11.0s, Local time: +11.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 6, Time: +11.0s, Local time: +11.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.3.0 10.0.6.1 255.255.255.0 UGS 2 - - 2

10.0.1.0 10.0.6.1 255.255.255.0 UGS 2 - - 2

10.0.0.0 10.0.6.1 255.255.255.0 UGS 4 - - 2

10.0.2.0 10.0.6.1 255.255.255.0 UGS 3 - - 2

10.0.4.0 10.0.5.1 255.255.255.0 UGS 2 - - 1

10.0.8.0 10.0.7.2 255.255.255.0 UGS 2 - - 3

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.6.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 7, Time: +11.0s, Local time: +11.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 7, Time: +11.0s, Local time: +11.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.6.0 10.0.7.1 255.255.255.0 UGS 2 - - 1

10.0.5.0 10.0.7.1 255.255.255.0 UGS 2 - - 1

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.8.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 2, Time: +12.0s, Local time: +12.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 2, Time: +12.0s, Local time: +12.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.6.0 10.0.3.2 255.255.255.0 UGS 2 - - 2

10.0.8.0 10.0.3.2 255.255.255.0 UGS 4 - - 2

10.0.5.0 10.0.4.2 255.255.255.0 UGS 2 - - 3

10.0.7.0 10.0.3.2 255.255.255.0 UGS 3 - - 2

10.0.1.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 3, Time: +12.0s, Local time: +12.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 3, Time: +12.0s, Local time: +12.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.6.0 10.0.2.1 255.255.255.0 UGS 3 - - 3

10.0.8.0 10.0.2.1 255.255.255.0 UGS 5 - - 3

10.0.5.0 10.0.2.1 255.255.255.0 UGS 4 - - 3

10.0.7.0 10.0.2.1 255.255.255.0 UGS 4 - - 3

10.0.4.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.3.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.0.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 4, Time: +12.0s, Local time: +12.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 4, Time: +12.0s, Local time: +12.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.7.0 10.0.6.2 255.255.255.0 UGS 2 - - 3

10.0.5.0 10.0.6.2 255.255.255.0 UGS 2 - - 3

10.0.8.0 10.0.6.2 255.255.255.0 UGS 3 - - 3

10.0.2.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.0.0 10.0.3.1 255.255.255.0 UGS 3 - - 2

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.6.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 5, Time: +12.0s, Local time: +12.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 5, Time: +12.0s, Local time: +12.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.3.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.2.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.1.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.7.0 10.0.5.2 255.255.255.0 UGS 2 - - 2

10.0.6.0 10.0.5.2 255.255.255.0 UGS 2 - - 2

10.0.8.0 10.0.5.2 255.255.255.0 UGS 3 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 6, Time: +12.0s, Local time: +12.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 6, Time: +12.0s, Local time: +12.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.3.0 10.0.6.1 255.255.255.0 UGS 2 - - 2

10.0.1.0 10.0.6.1 255.255.255.0 UGS 2 - - 2

10.0.0.0 10.0.6.1 255.255.255.0 UGS 4 - - 2

10.0.2.0 10.0.6.1 255.255.255.0 UGS 3 - - 2

10.0.4.0 10.0.5.1 255.255.255.0 UGS 2 - - 1

10.0.8.0 10.0.7.2 255.255.255.0 UGS 2 - - 3

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.6.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 7, Time: +12.0s, Local time: +12.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 7, Time: +12.0s, Local time: +12.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.6.0 10.0.7.1 255.255.255.0 UGS 2 - - 1

10.0.5.0 10.0.7.1 255.255.255.0 UGS 2 - - 1

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.8.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 2, Time: +13.0s, Local time: +13.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 2, Time: +13.0s, Local time: +13.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.6.0 10.0.3.2 255.255.255.0 UGS 2 - - 2

10.0.8.0 10.0.3.2 255.255.255.0 UGS 4 - - 2

10.0.5.0 10.0.4.2 255.255.255.0 UGS 2 - - 3

10.0.7.0 10.0.3.2 255.255.255.0 UGS 3 - - 2

10.0.1.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 3, Time: +13.0s, Local time: +13.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 3, Time: +13.0s, Local time: +13.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.6.0 10.0.2.1 255.255.255.0 UGS 3 - - 3

10.0.8.0 10.0.2.1 255.255.255.0 UGS 5 - - 3

10.0.5.0 10.0.2.1 255.255.255.0 UGS 4 - - 3

10.0.7.0 10.0.2.1 255.255.255.0 UGS 4 - - 3

10.0.4.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.3.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.0.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 4, Time: +13.0s, Local time: +13.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 4, Time: +13.0s, Local time: +13.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.7.0 10.0.6.2 255.255.255.0 UGS 2 - - 3

10.0.5.0 10.0.6.2 255.255.255.0 UGS 2 - - 3

10.0.8.0 10.0.6.2 255.255.255.0 UGS 3 - - 3

10.0.2.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.0.0 10.0.3.1 255.255.255.0 UGS 3 - - 2

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.6.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 5, Time: +13.0s, Local time: +13.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 5, Time: +13.0s, Local time: +13.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.3.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.2.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.1.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.7.0 10.0.5.2 255.255.255.0 UGS 2 - - 2

10.0.6.0 10.0.5.2 255.255.255.0 UGS 2 - - 2

10.0.8.0 10.0.5.2 255.255.255.0 UGS 3 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 6, Time: +13.0s, Local time: +13.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 6, Time: +13.0s, Local time: +13.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.3.0 10.0.6.1 255.255.255.0 UGS 2 - - 2

10.0.1.0 10.0.6.1 255.255.255.0 UGS 2 - - 2

10.0.0.0 10.0.6.1 255.255.255.0 UGS 4 - - 2

10.0.2.0 10.0.6.1 255.255.255.0 UGS 3 - - 2

10.0.4.0 10.0.5.1 255.255.255.0 UGS 2 - - 1

10.0.8.0 10.0.7.2 255.255.255.0 UGS 2 - - 3

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.6.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 7, Time: +13.0s, Local time: +13.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 7, Time: +13.0s, Local time: +13.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.7.1 255.255.255.0 UGS 3 - - 1

10.0.2.0 10.0.7.1 255.255.255.0 UGS 4 - - 1

10.0.0.0 10.0.7.1 255.255.255.0 UGS 5 - - 1

10.0.1.0 10.0.7.1 255.255.255.0 UGS 3 - - 1

10.0.3.0 10.0.7.1 255.255.255.0 UGS 3 - - 1

10.0.6.0 10.0.7.1 255.255.255.0 UGS 2 - - 1

10.0.5.0 10.0.7.1 255.255.255.0 UGS 2 - - 1

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.8.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 2, Time: +30.0s, Local time: +30.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 2, Time: +30.0s, Local time: +30.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.6.0 10.0.3.2 255.255.255.0 UGS 2 - - 2

10.0.8.0 10.0.3.2 255.255.255.0 UGS 4 - - 2

10.0.5.0 10.0.4.2 255.255.255.0 UGS 2 - - 3

10.0.7.0 10.0.3.2 255.255.255.0 UGS 3 - - 2

10.0.1.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 3, Time: +30.0s, Local time: +30.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 3, Time: +30.0s, Local time: +30.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.6.0 10.0.2.1 255.255.255.0 UGS 3 - - 3

10.0.8.0 10.0.2.1 255.255.255.0 UGS 5 - - 3

10.0.5.0 10.0.2.1 255.255.255.0 UGS 3 - - 3

10.0.7.0 10.0.2.1 255.255.255.0 UGS 4 - - 3

10.0.4.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.3.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.0.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 4, Time: +30.0s, Local time: +30.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 4, Time: +30.0s, Local time: +30.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.7.0 10.0.6.2 255.255.255.0 UGS 2 - - 3

10.0.5.0 10.0.6.2 255.255.255.0 UGS 2 - - 3

10.0.8.0 10.0.6.2 255.255.255.0 UGS 3 - - 3

10.0.2.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.0.0 10.0.3.1 255.255.255.0 UGS 3 - - 2

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.6.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 5, Time: +30.0s, Local time: +30.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 5, Time: +30.0s, Local time: +30.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.3.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.2.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.1.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.7.0 10.0.5.2 255.255.255.0 UGS 2 - - 2

10.0.6.0 10.0.5.2 255.255.255.0 UGS 2 - - 2

10.0.8.0 10.0.5.2 255.255.255.0 UGS 3 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 6, Time: +30.0s, Local time: +30.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 6, Time: +30.0s, Local time: +30.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.3.0 10.0.6.1 255.255.255.0 UGS 2 - - 2

10.0.1.0 10.0.6.1 255.255.255.0 UGS 2 - - 2

10.0.0.0 10.0.6.1 255.255.255.0 UGS 4 - - 2

10.0.2.0 10.0.6.1 255.255.255.0 UGS 3 - - 2

10.0.4.0 10.0.5.1 255.255.255.0 UGS 2 - - 1

10.0.8.0 10.0.7.2 255.255.255.0 UGS 2 - - 3

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.6.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 7, Time: +30.0s, Local time: +30.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 7, Time: +30.0s, Local time: +30.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.7.1 255.255.255.0 UGS 3 - - 1

10.0.2.0 10.0.7.1 255.255.255.0 UGS 4 - - 1

10.0.0.0 10.0.7.1 255.255.255.0 UGS 5 - - 1

10.0.1.0 10.0.7.1 255.255.255.0 UGS 3 - - 1

10.0.3.0 10.0.7.1 255.255.255.0 UGS 3 - - 1

10.0.6.0 10.0.7.1 255.255.255.0 UGS 2 - - 1

10.0.5.0 10.0.7.1 255.255.255.0 UGS 2 - - 1

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.8.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 2, Time: +31.0s, Local time: +31.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 2, Time: +31.0s, Local time: +31.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.6.0 10.0.3.2 255.255.255.0 UGS 2 - - 2

10.0.8.0 10.0.3.2 255.255.255.0 UGS 4 - - 2

10.0.5.0 10.0.4.2 255.255.255.0 UGS 2 - - 3

10.0.7.0 10.0.3.2 255.255.255.0 UGS 3 - - 2

10.0.1.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 3, Time: +31.0s, Local time: +31.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 3, Time: +31.0s, Local time: +31.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.6.0 10.0.2.1 255.255.255.0 UGS 3 - - 3

10.0.8.0 10.0.2.1 255.255.255.0 UGS 5 - - 3

10.0.5.0 10.0.2.1 255.255.255.0 UGS 3 - - 3

10.0.7.0 10.0.2.1 255.255.255.0 UGS 4 - - 3

10.0.4.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.3.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.0.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 4, Time: +31.0s, Local time: +31.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 4, Time: +31.0s, Local time: +31.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.2.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.0.0 10.0.3.1 255.255.255.0 UGS 3 - - 2

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 5, Time: +31.0s, Local time: +31.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 5, Time: +31.0s, Local time: +31.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.3.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.2.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.1.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.7.0 10.0.5.2 255.255.255.0 UGS 2 - - 2

10.0.6.0 10.0.5.2 255.255.255.0 UGS 2 - - 2

10.0.8.0 10.0.5.2 255.255.255.0 UGS 3 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 6, Time: +31.0s, Local time: +31.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 6, Time: +31.0s, Local time: +31.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.5.1 255.255.255.0 UGS 2 - - 1

10.0.8.0 10.0.7.2 255.255.255.0 UGS 2 - - 3

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 7, Time: +31.0s, Local time: +31.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 7, Time: +31.0s, Local time: +31.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.7.1 255.255.255.0 UGS 3 - - 1

10.0.2.0 10.0.7.1 255.255.255.0 UGS 4 - - 1

10.0.0.0 10.0.7.1 255.255.255.0 UGS 5 - - 1

10.0.1.0 10.0.7.1 255.255.255.0 UGS 3 - - 1

10.0.3.0 10.0.7.1 255.255.255.0 UGS 3 - - 1

10.0.6.0 10.0.7.1 255.255.255.0 UGS 2 - - 1

10.0.5.0 10.0.7.1 255.255.255.0 UGS 2 - - 1

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.8.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 2, Time: +32.0s, Local time: +32.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 2, Time: +32.0s, Local time: +32.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.6.0 10.0.3.2 255.255.255.0 UGS 2 - - 2

10.0.8.0 10.0.3.2 255.255.255.0 UGS 4 - - 2

10.0.5.0 10.0.4.2 255.255.255.0 UGS 2 - - 3

10.0.7.0 10.0.3.2 255.255.255.0 UGS 3 - - 2

10.0.1.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 3, Time: +32.0s, Local time: +32.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 3, Time: +32.0s, Local time: +32.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.6.0 10.0.2.1 255.255.255.0 UGS 3 - - 3

10.0.8.0 10.0.2.1 255.255.255.0 UGS 5 - - 3

10.0.5.0 10.0.2.1 255.255.255.0 UGS 3 - - 3

10.0.7.0 10.0.2.1 255.255.255.0 UGS 4 - - 3

10.0.4.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.3.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.0.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 4, Time: +32.0s, Local time: +32.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 4, Time: +32.0s, Local time: +32.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.5.0 10.0.3.1 255.255.255.0 UGS 3 - - 2

10.0.2.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.0.0 10.0.3.1 255.255.255.0 UGS 3 - - 2

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 5, Time: +32.0s, Local time: +32.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 5, Time: +32.0s, Local time: +32.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.3.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.2.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.1.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.7.0 10.0.5.2 255.255.255.0 UGS 2 - - 2

10.0.8.0 10.0.5.2 255.255.255.0 UGS 3 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 6, Time: +32.0s, Local time: +32.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 6, Time: +32.0s, Local time: +32.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.5.1 255.255.255.0 UGS 2 - - 1

10.0.8.0 10.0.7.2 255.255.255.0 UGS 2 - - 3

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 7, Time: +32.0s, Local time: +32.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 7, Time: +32.0s, Local time: +32.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.7.1 255.255.255.0 UGS 3 - - 1

10.0.5.0 10.0.7.1 255.255.255.0 UGS 2 - - 1

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.8.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 2, Time: +33.0s, Local time: +33.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 2, Time: +33.0s, Local time: +33.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.6.0 10.0.3.2 255.255.255.0 UGS 2 - - 2

10.0.8.0 10.0.3.2 255.255.255.0 UGS 4 - - 2

10.0.5.0 10.0.4.2 255.255.255.0 UGS 2 - - 3

10.0.7.0 10.0.3.2 255.255.255.0 UGS 3 - - 2

10.0.1.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 3, Time: +33.0s, Local time: +33.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 3, Time: +33.0s, Local time: +33.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.6.0 10.0.2.1 255.255.255.0 UGS 3 - - 3

10.0.8.0 10.0.2.1 255.255.255.0 UGS 5 - - 3

10.0.5.0 10.0.2.1 255.255.255.0 UGS 3 - - 3

10.0.7.0 10.0.2.1 255.255.255.0 UGS 4 - - 3

10.0.4.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.3.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.0.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 4, Time: +33.0s, Local time: +33.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 4, Time: +33.0s, Local time: +33.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.5.0 10.0.3.1 255.255.255.0 UGS 3 - - 2

10.0.2.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.0.0 10.0.3.1 255.255.255.0 UGS 3 - - 2

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 5, Time: +33.0s, Local time: +33.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 5, Time: +33.0s, Local time: +33.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.3.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.2.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.1.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.7.0 10.0.5.2 255.255.255.0 UGS 2 - - 2

10.0.8.0 10.0.5.2 255.255.255.0 UGS 3 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 6, Time: +33.0s, Local time: +33.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 6, Time: +33.0s, Local time: +33.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.5.1 255.255.255.0 UGS 2 - - 1

10.0.8.0 10.0.7.2 255.255.255.0 UGS 2 - - 3

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 7, Time: +33.0s, Local time: +33.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 7, Time: +33.0s, Local time: +33.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.7.1 255.255.255.0 UGS 3 - - 1

10.0.5.0 10.0.7.1 255.255.255.0 UGS 2 - - 1

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.8.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 2, Time: +34.0s, Local time: +34.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 2, Time: +34.0s, Local time: +34.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.5.0 10.0.4.2 255.255.255.0 UGS 2 - - 3

10.0.1.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 3, Time: +34.0s, Local time: +34.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 3, Time: +34.0s, Local time: +34.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.6.0 10.0.2.1 255.255.255.0 UGS 3 - - 3

10.0.8.0 10.0.2.1 255.255.255.0 UGS 5 - - 3

10.0.5.0 10.0.2.1 255.255.255.0 UGS 3 - - 3

10.0.7.0 10.0.2.1 255.255.255.0 UGS 4 - - 3

10.0.4.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.3.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.0.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 4, Time: +34.0s, Local time: +34.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 4, Time: +34.0s, Local time: +34.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.5.0 10.0.3.1 255.255.255.0 UGS 3 - - 2

10.0.2.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.0.0 10.0.3.1 255.255.255.0 UGS 3 - - 2

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 5, Time: +34.0s, Local time: +34.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 5, Time: +34.0s, Local time: +34.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.3.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.2.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.1.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.7.0 10.0.5.2 255.255.255.0 UGS 2 - - 2

10.0.8.0 10.0.5.2 255.255.255.0 UGS 3 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 6, Time: +34.0s, Local time: +34.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 6, Time: +34.0s, Local time: +34.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.5.1 255.255.255.0 UGS 2 - - 1

10.0.8.0 10.0.7.2 255.255.255.0 UGS 2 - - 3

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 7, Time: +34.0s, Local time: +34.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 7, Time: +34.0s, Local time: +34.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.7.1 255.255.255.0 UGS 3 - - 1

10.0.5.0 10.0.7.1 255.255.255.0 UGS 2 - - 1

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.8.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 2, Time: +35.0s, Local time: +35.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 2, Time: +35.0s, Local time: +35.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.5.0 10.0.4.2 255.255.255.0 UGS 2 - - 3

10.0.1.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 3, Time: +35.0s, Local time: +35.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 3, Time: +35.0s, Local time: +35.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.6.0 10.0.2.1 255.255.255.0 UGS 3 - - 3

10.0.8.0 10.0.2.1 255.255.255.0 UGS 5 - - 3

10.0.5.0 10.0.2.1 255.255.255.0 UGS 3 - - 3

10.0.7.0 10.0.2.1 255.255.255.0 UGS 4 - - 3

10.0.4.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.3.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.0.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 4, Time: +35.0s, Local time: +35.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 4, Time: +35.0s, Local time: +35.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.7.0 10.0.1.1 255.255.255.0 UGS 7 - - 1

10.0.5.0 10.0.3.1 255.255.255.0 UGS 3 - - 2

10.0.8.0 10.0.1.1 255.255.255.0 UGS 8 - - 1

10.0.2.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.0.0 10.0.3.1 255.255.255.0 UGS 3 - - 2

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.6.0 10.0.1.1 255.255.255.0 UGS 6 - - 1

Node: 5, Time: +35.0s, Local time: +35.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 5, Time: +35.0s, Local time: +35.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.3.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.2.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.1.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.7.0 10.0.5.2 255.255.255.0 UGS 2 - - 2

10.0.8.0 10.0.5.2 255.255.255.0 UGS 3 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 6, Time: +35.0s, Local time: +35.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 6, Time: +35.0s, Local time: +35.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.5.1 255.255.255.0 UGS 2 - - 1

10.0.8.0 10.0.7.2 255.255.255.0 UGS 2 - - 3

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 7, Time: +35.0s, Local time: +35.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 7, Time: +35.0s, Local time: +35.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.7.1 255.255.255.0 UGS 3 - - 1

10.0.5.0 10.0.7.1 255.255.255.0 UGS 2 - - 1

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.8.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 2, Time: +36.0s, Local time: +36.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 2, Time: +36.0s, Local time: +36.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.5.0 10.0.4.2 255.255.255.0 UGS 2 - - 3

10.0.1.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 3, Time: +36.0s, Local time: +36.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 3, Time: +36.0s, Local time: +36.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.6.0 10.0.2.1 255.255.255.0 UGS 3 - - 3

10.0.8.0 10.0.2.1 255.255.255.0 UGS 5 - - 3

10.0.5.0 10.0.2.1 255.255.255.0 UGS 3 - - 3

10.0.7.0 10.0.2.1 255.255.255.0 UGS 4 - - 3

10.0.4.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.3.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.0.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 4, Time: +36.0s, Local time: +36.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 4, Time: +36.0s, Local time: +36.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.7.0 10.0.1.1 255.255.255.0 UGS 7 - - 1

10.0.5.0 10.0.3.1 255.255.255.0 UGS 3 - - 2

10.0.8.0 10.0.1.1 255.255.255.0 UGS 8 - - 1

10.0.2.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.0.0 10.0.3.1 255.255.255.0 UGS 3 - - 2

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.6.0 10.0.1.1 255.255.255.0 UGS 6 - - 1

Node: 5, Time: +36.0s, Local time: +36.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 5, Time: +36.0s, Local time: +36.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.3.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.2.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.1.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.7.0 10.0.5.2 255.255.255.0 UGS 2 - - 2

10.0.8.0 10.0.5.2 255.255.255.0 UGS 3 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 6, Time: +36.0s, Local time: +36.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 6, Time: +36.0s, Local time: +36.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.5.1 255.255.255.0 UGS 2 - - 1

10.0.8.0 10.0.7.2 255.255.255.0 UGS 2 - - 3

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 7, Time: +36.0s, Local time: +36.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 7, Time: +36.0s, Local time: +36.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.7.1 255.255.255.0 UGS 3 - - 1

10.0.5.0 10.0.7.1 255.255.255.0 UGS 2 - - 1

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.8.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 2, Time: +37.0s, Local time: +37.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 2, Time: +37.0s, Local time: +37.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.5.0 10.0.4.2 255.255.255.0 UGS 2 - - 3

10.0.1.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 3, Time: +37.0s, Local time: +37.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 3, Time: +37.0s, Local time: +37.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.6.0 10.0.2.1 255.255.255.0 UGS 3 - - 3

10.0.8.0 10.0.2.1 255.255.255.0 UGS 5 - - 3

10.0.5.0 10.0.2.1 255.255.255.0 UGS 3 - - 3

10.0.7.0 10.0.2.1 255.255.255.0 UGS 4 - - 3

10.0.4.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.3.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.0.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 4, Time: +37.0s, Local time: +37.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 4, Time: +37.0s, Local time: +37.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.7.0 10.0.1.1 255.255.255.0 UGS 7 - - 1

10.0.5.0 10.0.3.1 255.255.255.0 UGS 3 - - 2

10.0.8.0 10.0.1.1 255.255.255.0 UGS 8 - - 1

10.0.2.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.0.0 10.0.3.1 255.255.255.0 UGS 3 - - 2

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.6.0 10.0.1.1 255.255.255.0 UGS 6 - - 1

Node: 5, Time: +37.0s, Local time: +37.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 5, Time: +37.0s, Local time: +37.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.3.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.2.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.1.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.7.0 10.0.5.2 255.255.255.0 UGS 2 - - 2

10.0.8.0 10.0.5.2 255.255.255.0 UGS 3 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 6, Time: +37.0s, Local time: +37.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 6, Time: +37.0s, Local time: +37.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.5.1 255.255.255.0 UGS 2 - - 1

10.0.8.0 10.0.7.2 255.255.255.0 UGS 2 - - 3

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 7, Time: +37.0s, Local time: +37.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 7, Time: +37.0s, Local time: +37.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.7.1 255.255.255.0 UGS 3 - - 1

10.0.5.0 10.0.7.1 255.255.255.0 UGS 2 - - 1

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.8.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 2, Time: +38.0s, Local time: +38.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 2, Time: +38.0s, Local time: +38.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.8.0 10.0.4.2 255.255.255.0 UGS 4 - - 3

10.0.5.0 10.0.4.2 255.255.255.0 UGS 2 - - 3

10.0.7.0 10.0.4.2 255.255.255.0 UGS 3 - - 3

10.0.1.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 3, Time: +38.0s, Local time: +38.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 3, Time: +38.0s, Local time: +38.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.8.0 10.0.2.1 255.255.255.0 UGS 5 - - 3

10.0.5.0 10.0.2.1 255.255.255.0 UGS 3 - - 3

10.0.7.0 10.0.2.1 255.255.255.0 UGS 4 - - 3

10.0.4.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.3.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.0.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 4, Time: +38.0s, Local time: +38.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 4, Time: +38.0s, Local time: +38.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.7.0 10.0.3.1 255.255.255.0 UGS 4 - - 2

10.0.5.0 10.0.3.1 255.255.255.0 UGS 3 - - 2

10.0.8.0 10.0.3.1 255.255.255.0 UGS 5 - - 2

10.0.2.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.0.0 10.0.3.1 255.255.255.0 UGS 3 - - 2

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.6.0 10.0.1.1 255.255.255.0 UGS 6 - - 1

Node: 5, Time: +38.0s, Local time: +38.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 5, Time: +38.0s, Local time: +38.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.3.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.2.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.1.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.7.0 10.0.5.2 255.255.255.0 UGS 2 - - 2

10.0.8.0 10.0.5.2 255.255.255.0 UGS 3 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 6, Time: +38.0s, Local time: +38.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 6, Time: +38.0s, Local time: +38.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.3.0 10.0.5.1 255.255.255.0 UGS 3 - - 1

10.0.1.0 10.0.5.1 255.255.255.0 UGS 4 - - 1

10.0.0.0 10.0.5.1 255.255.255.0 UGS 4 - - 1

10.0.2.0 10.0.5.1 255.255.255.0 UGS 3 - - 1

10.0.4.0 10.0.5.1 255.255.255.0 UGS 2 - - 1

10.0.8.0 10.0.7.2 255.255.255.0 UGS 2 - - 3

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 7, Time: +38.0s, Local time: +38.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 7, Time: +38.0s, Local time: +38.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.7.1 255.255.255.0 UGS 3 - - 1

10.0.5.0 10.0.7.1 255.255.255.0 UGS 2 - - 1

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.8.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 2, Time: +39.0s, Local time: +39.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 2, Time: +39.0s, Local time: +39.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.6.0 10.0.3.2 255.255.255.0 UGS 7 - - 2

10.0.8.0 10.0.4.2 255.255.255.0 UGS 4 - - 3

10.0.5.0 10.0.4.2 255.255.255.0 UGS 2 - - 3

10.0.7.0 10.0.4.2 255.255.255.0 UGS 3 - - 3

10.0.1.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 3, Time: +39.0s, Local time: +39.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 3, Time: +39.0s, Local time: +39.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.8.0 10.0.2.1 255.255.255.0 UGS 5 - - 3

10.0.5.0 10.0.2.1 255.255.255.0 UGS 3 - - 3

10.0.7.0 10.0.2.1 255.255.255.0 UGS 4 - - 3

10.0.4.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.3.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.0.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 4, Time: +39.0s, Local time: +39.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 4, Time: +39.0s, Local time: +39.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.7.0 10.0.3.1 255.255.255.0 UGS 4 - - 2

10.0.5.0 10.0.3.1 255.255.255.0 UGS 3 - - 2

10.0.8.0 10.0.3.1 255.255.255.0 UGS 5 - - 2

10.0.2.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.0.0 10.0.3.1 255.255.255.0 UGS 3 - - 2

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.6.0 10.0.1.1 255.255.255.0 UGS 6 - - 1

Node: 5, Time: +39.0s, Local time: +39.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 5, Time: +39.0s, Local time: +39.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.3.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.2.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.1.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.7.0 10.0.5.2 255.255.255.0 UGS 2 - - 2

10.0.8.0 10.0.5.2 255.255.255.0 UGS 3 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 6, Time: +39.0s, Local time: +39.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 6, Time: +39.0s, Local time: +39.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.3.0 10.0.5.1 255.255.255.0 UGS 3 - - 1

10.0.1.0 10.0.5.1 255.255.255.0 UGS 4 - - 1

10.0.0.0 10.0.5.1 255.255.255.0 UGS 4 - - 1

10.0.2.0 10.0.5.1 255.255.255.0 UGS 3 - - 1

10.0.4.0 10.0.5.1 255.255.255.0 UGS 2 - - 1

10.0.8.0 10.0.7.2 255.255.255.0 UGS 2 - - 3

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 7, Time: +39.0s, Local time: +39.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 7, Time: +39.0s, Local time: +39.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.7.1 255.255.255.0 UGS 3 - - 1

10.0.5.0 10.0.7.1 255.255.255.0 UGS 2 - - 1

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.8.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 2, Time: +40.0s, Local time: +40.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 2, Time: +40.0s, Local time: +40.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.6.0 10.0.3.2 255.255.255.0 UGS 7 - - 2

10.0.8.0 10.0.4.2 255.255.255.0 UGS 4 - - 3

10.0.5.0 10.0.4.2 255.255.255.0 UGS 2 - - 3

10.0.7.0 10.0.4.2 255.255.255.0 UGS 3 - - 3

10.0.1.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 3, Time: +40.0s, Local time: +40.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 3, Time: +40.0s, Local time: +40.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.6.0 10.0.2.1 255.255.255.0 UGS 8 - - 3

10.0.8.0 10.0.2.1 255.255.255.0 UGS 5 - - 3

10.0.5.0 10.0.2.1 255.255.255.0 UGS 3 - - 3

10.0.7.0 10.0.2.1 255.255.255.0 UGS 4 - - 3

10.0.4.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.3.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.0.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 4, Time: +40.0s, Local time: +40.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 4, Time: +40.0s, Local time: +40.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.7.0 10.0.3.1 255.255.255.0 UGS 4 - - 2

10.0.5.0 10.0.3.1 255.255.255.0 UGS 3 - - 2

10.0.8.0 10.0.3.1 255.255.255.0 UGS 5 - - 2

10.0.2.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.0.0 10.0.3.1 255.255.255.0 UGS 3 - - 2

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.6.0 10.0.1.1 255.255.255.0 UGS 6 - - 1

Node: 5, Time: +40.0s, Local time: +40.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 5, Time: +40.0s, Local time: +40.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.3.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.2.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.1.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.7.0 10.0.5.2 255.255.255.0 UGS 2 - - 2

10.0.6.0 10.0.4.1 255.255.255.0 UGS 8 - - 1

10.0.8.0 10.0.5.2 255.255.255.0 UGS 3 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 6, Time: +40.0s, Local time: +40.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 6, Time: +40.0s, Local time: +40.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.3.0 10.0.5.1 255.255.255.0 UGS 3 - - 1

10.0.1.0 10.0.5.1 255.255.255.0 UGS 4 - - 1

10.0.0.0 10.0.5.1 255.255.255.0 UGS 4 - - 1

10.0.2.0 10.0.5.1 255.255.255.0 UGS 3 - - 1

10.0.4.0 10.0.5.1 255.255.255.0 UGS 2 - - 1

10.0.8.0 10.0.7.2 255.255.255.0 UGS 2 - - 3

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 7, Time: +40.0s, Local time: +40.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 7, Time: +40.0s, Local time: +40.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.7.1 255.255.255.0 UGS 3 - - 1

10.0.5.0 10.0.7.1 255.255.255.0 UGS 2 - - 1

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.8.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 2, Time: +41.0s, Local time: +41.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 2, Time: +41.0s, Local time: +41.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.6.0 10.0.3.2 255.255.255.0 UGS 7 - - 2

10.0.8.0 10.0.4.2 255.255.255.0 UGS 4 - - 3

10.0.5.0 10.0.4.2 255.255.255.0 UGS 2 - - 3

10.0.7.0 10.0.4.2 255.255.255.0 UGS 3 - - 3

10.0.1.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 3, Time: +41.0s, Local time: +41.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 3, Time: +41.0s, Local time: +41.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.6.0 10.0.2.1 255.255.255.0 UGS 8 - - 3

10.0.8.0 10.0.2.1 255.255.255.0 UGS 5 - - 3

10.0.5.0 10.0.2.1 255.255.255.0 UGS 3 - - 3

10.0.7.0 10.0.2.1 255.255.255.0 UGS 4 - - 3

10.0.4.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.3.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.0.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 4, Time: +41.0s, Local time: +41.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 4, Time: +41.0s, Local time: +41.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.7.0 10.0.3.1 255.255.255.0 UGS 4 - - 2

10.0.5.0 10.0.3.1 255.255.255.0 UGS 3 - - 2

10.0.8.0 10.0.3.1 255.255.255.0 UGS 5 - - 2

10.0.2.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.0.0 10.0.3.1 255.255.255.0 UGS 3 - - 2

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.6.0 10.0.1.1 255.255.255.0 UGS 11 - - 1

Node: 5, Time: +41.0s, Local time: +41.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 5, Time: +41.0s, Local time: +41.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.3.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.2.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.1.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.7.0 10.0.5.2 255.255.255.0 UGS 2 - - 2

10.0.6.0 10.0.4.1 255.255.255.0 UGS 8 - - 1

10.0.8.0 10.0.5.2 255.255.255.0 UGS 3 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 6, Time: +41.0s, Local time: +41.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 6, Time: +41.0s, Local time: +41.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.3.0 10.0.5.1 255.255.255.0 UGS 3 - - 1

10.0.1.0 10.0.5.1 255.255.255.0 UGS 4 - - 1

10.0.0.0 10.0.5.1 255.255.255.0 UGS 4 - - 1

10.0.2.0 10.0.5.1 255.255.255.0 UGS 3 - - 1

10.0.4.0 10.0.5.1 255.255.255.0 UGS 2 - - 1

10.0.8.0 10.0.7.2 255.255.255.0 UGS 2 - - 3

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 7, Time: +41.0s, Local time: +41.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 7, Time: +41.0s, Local time: +41.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.7.1 255.255.255.0 UGS 3 - - 1

10.0.2.0 10.0.7.1 255.255.255.0 UGS 4 - - 1

10.0.0.0 10.0.7.1 255.255.255.0 UGS 5 - - 1

10.0.1.0 10.0.7.1 255.255.255.0 UGS 5 - - 1

10.0.3.0 10.0.7.1 255.255.255.0 UGS 4 - - 1

10.0.5.0 10.0.7.1 255.255.255.0 UGS 2 - - 1

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.8.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 2, Time: +42.0s, Local time: +42.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 2, Time: +42.0s, Local time: +42.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.6.0 10.0.3.2 255.255.255.0 UGS 7 - - 2

10.0.8.0 10.0.4.2 255.255.255.0 UGS 4 - - 3

10.0.5.0 10.0.4.2 255.255.255.0 UGS 2 - - 3

10.0.7.0 10.0.4.2 255.255.255.0 UGS 3 - - 3

10.0.1.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 3, Time: +42.0s, Local time: +42.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 3, Time: +42.0s, Local time: +42.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.6.0 10.0.2.1 255.255.255.0 UGS 8 - - 3

10.0.8.0 10.0.2.1 255.255.255.0 UGS 5 - - 3

10.0.5.0 10.0.2.1 255.255.255.0 UGS 3 - - 3

10.0.7.0 10.0.2.1 255.255.255.0 UGS 4 - - 3

10.0.4.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.3.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.0.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 4, Time: +42.0s, Local time: +42.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 4, Time: +42.0s, Local time: +42.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.7.0 10.0.3.1 255.255.255.0 UGS 4 - - 2

10.0.5.0 10.0.3.1 255.255.255.0 UGS 3 - - 2

10.0.8.0 10.0.3.1 255.255.255.0 UGS 5 - - 2

10.0.2.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.0.0 10.0.3.1 255.255.255.0 UGS 3 - - 2

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.6.0 10.0.1.1 255.255.255.0 UGS 11 - - 1

Node: 5, Time: +42.0s, Local time: +42.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 5, Time: +42.0s, Local time: +42.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.3.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.2.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.1.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.7.0 10.0.5.2 255.255.255.0 UGS 2 - - 2

10.0.6.0 10.0.4.1 255.255.255.0 UGS 8 - - 1

10.0.8.0 10.0.5.2 255.255.255.0 UGS 3 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 6, Time: +42.0s, Local time: +42.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 6, Time: +42.0s, Local time: +42.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.3.0 10.0.5.1 255.255.255.0 UGS 3 - - 1

10.0.1.0 10.0.5.1 255.255.255.0 UGS 4 - - 1

10.0.0.0 10.0.5.1 255.255.255.0 UGS 4 - - 1

10.0.2.0 10.0.5.1 255.255.255.0 UGS 3 - - 1

10.0.4.0 10.0.5.1 255.255.255.0 UGS 2 - - 1

10.0.8.0 10.0.7.2 255.255.255.0 UGS 2 - - 3

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 7, Time: +42.0s, Local time: +42.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 7, Time: +42.0s, Local time: +42.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.7.1 255.255.255.0 UGS 3 - - 1

10.0.2.0 10.0.7.1 255.255.255.0 UGS 4 - - 1

10.0.0.0 10.0.7.1 255.255.255.0 UGS 5 - - 1

10.0.1.0 10.0.7.1 255.255.255.0 UGS 5 - - 1

10.0.3.0 10.0.7.1 255.255.255.0 UGS 4 - - 1

10.0.5.0 10.0.7.1 255.255.255.0 UGS 2 - - 1

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.8.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 2, Time: +43.0s, Local time: +43.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 2, Time: +43.0s, Local time: +43.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.6.0 10.0.3.2 255.255.255.0 UGS 12 - - 2

10.0.8.0 10.0.4.2 255.255.255.0 UGS 4 - - 3

10.0.5.0 10.0.4.2 255.255.255.0 UGS 2 - - 3

10.0.7.0 10.0.4.2 255.255.255.0 UGS 3 - - 3

10.0.1.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 3, Time: +43.0s, Local time: +43.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 3, Time: +43.0s, Local time: +43.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.6.0 10.0.2.1 255.255.255.0 UGS 8 - - 3

10.0.8.0 10.0.2.1 255.255.255.0 UGS 5 - - 3

10.0.5.0 10.0.2.1 255.255.255.0 UGS 3 - - 3

10.0.7.0 10.0.2.1 255.255.255.0 UGS 4 - - 3

10.0.4.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.3.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.0.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 4, Time: +43.0s, Local time: +43.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 4, Time: +43.0s, Local time: +43.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.7.0 10.0.3.1 255.255.255.0 UGS 4 - - 2

10.0.5.0 10.0.3.1 255.255.255.0 UGS 3 - - 2

10.0.8.0 10.0.3.1 255.255.255.0 UGS 5 - - 2

10.0.2.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.0.0 10.0.3.1 255.255.255.0 UGS 3 - - 2

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.6.0 10.0.1.1 255.255.255.0 UGS 11 - - 1

Node: 5, Time: +43.0s, Local time: +43.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 5, Time: +43.0s, Local time: +43.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.3.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.2.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.1.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.7.0 10.0.5.2 255.255.255.0 UGS 2 - - 2

10.0.6.0 10.0.4.1 255.255.255.0 UGS 8 - - 1

10.0.8.0 10.0.5.2 255.255.255.0 UGS 3 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 6, Time: +43.0s, Local time: +43.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 6, Time: +43.0s, Local time: +43.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.3.0 10.0.5.1 255.255.255.0 UGS 3 - - 1

10.0.1.0 10.0.5.1 255.255.255.0 UGS 4 - - 1

10.0.0.0 10.0.5.1 255.255.255.0 UGS 4 - - 1

10.0.2.0 10.0.5.1 255.255.255.0 UGS 3 - - 1

10.0.4.0 10.0.5.1 255.255.255.0 UGS 2 - - 1

10.0.8.0 10.0.7.2 255.255.255.0 UGS 2 - - 3

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 7, Time: +43.0s, Local time: +43.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 7, Time: +43.0s, Local time: +43.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.7.1 255.255.255.0 UGS 3 - - 1

10.0.2.0 10.0.7.1 255.255.255.0 UGS 4 - - 1

10.0.0.0 10.0.7.1 255.255.255.0 UGS 5 - - 1

10.0.1.0 10.0.7.1 255.255.255.0 UGS 5 - - 1

10.0.3.0 10.0.7.1 255.255.255.0 UGS 4 - - 1

10.0.5.0 10.0.7.1 255.255.255.0 UGS 2 - - 1

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.8.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 2, Time: +44.0s, Local time: +44.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 2, Time: +44.0s, Local time: +44.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.6.0 10.0.3.2 255.255.255.0 UGS 12 - - 2

10.0.8.0 10.0.4.2 255.255.255.0 UGS 4 - - 3

10.0.5.0 10.0.4.2 255.255.255.0 UGS 2 - - 3

10.0.7.0 10.0.4.2 255.255.255.0 UGS 3 - - 3

10.0.1.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 3, Time: +44.0s, Local time: +44.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 3, Time: +44.0s, Local time: +44.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.6.0 10.0.2.1 255.255.255.0 UGS 8 - - 3

10.0.8.0 10.0.2.1 255.255.255.0 UGS 5 - - 3

10.0.5.0 10.0.2.1 255.255.255.0 UGS 3 - - 3

10.0.7.0 10.0.2.1 255.255.255.0 UGS 4 - - 3

10.0.4.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.3.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.0.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 4, Time: +44.0s, Local time: +44.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 4, Time: +44.0s, Local time: +44.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.7.0 10.0.3.1 255.255.255.0 UGS 4 - - 2

10.0.5.0 10.0.3.1 255.255.255.0 UGS 3 - - 2

10.0.8.0 10.0.3.1 255.255.255.0 UGS 5 - - 2

10.0.2.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.0.0 10.0.3.1 255.255.255.0 UGS 3 - - 2

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.6.0 10.0.1.1 255.255.255.0 UGS 11 - - 1

Node: 5, Time: +44.0s, Local time: +44.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 5, Time: +44.0s, Local time: +44.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.3.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.2.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.1.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.7.0 10.0.5.2 255.255.255.0 UGS 2 - - 2

10.0.6.0 10.0.4.1 255.255.255.0 UGS 8 - - 1

10.0.8.0 10.0.5.2 255.255.255.0 UGS 3 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 6, Time: +44.0s, Local time: +44.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 6, Time: +44.0s, Local time: +44.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.3.0 10.0.5.1 255.255.255.0 UGS 3 - - 1

10.0.1.0 10.0.5.1 255.255.255.0 UGS 4 - - 1

10.0.0.0 10.0.5.1 255.255.255.0 UGS 4 - - 1

10.0.2.0 10.0.5.1 255.255.255.0 UGS 3 - - 1

10.0.4.0 10.0.5.1 255.255.255.0 UGS 2 - - 1

10.0.8.0 10.0.7.2 255.255.255.0 UGS 2 - - 3

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 7, Time: +44.0s, Local time: +44.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 7, Time: +44.0s, Local time: +44.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.7.1 255.255.255.0 UGS 3 - - 1

10.0.2.0 10.0.7.1 255.255.255.0 UGS 4 - - 1

10.0.0.0 10.0.7.1 255.255.255.0 UGS 5 - - 1

10.0.1.0 10.0.7.1 255.255.255.0 UGS 5 - - 1

10.0.3.0 10.0.7.1 255.255.255.0 UGS 4 - - 1

10.0.5.0 10.0.7.1 255.255.255.0 UGS 2 - - 1

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.8.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 2, Time: +45.0s, Local time: +45.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 2, Time: +45.0s, Local time: +45.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.6.0 10.0.3.2 255.255.255.0 UGS 12 - - 2

10.0.8.0 10.0.4.2 255.255.255.0 UGS 4 - - 3

10.0.5.0 10.0.4.2 255.255.255.0 UGS 2 - - 3

10.0.7.0 10.0.4.2 255.255.255.0 UGS 3 - - 3

10.0.1.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 3, Time: +45.0s, Local time: +45.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 3, Time: +45.0s, Local time: +45.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.6.0 10.0.2.1 255.255.255.0 UGS 13 - - 3

10.0.8.0 10.0.2.1 255.255.255.0 UGS 5 - - 3

10.0.5.0 10.0.2.1 255.255.255.0 UGS 3 - - 3

10.0.7.0 10.0.2.1 255.255.255.0 UGS 4 - - 3

10.0.4.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.3.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.0.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 4, Time: +45.0s, Local time: +45.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 4, Time: +45.0s, Local time: +45.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.7.0 10.0.3.1 255.255.255.0 UGS 4 - - 2

10.0.5.0 10.0.3.1 255.255.255.0 UGS 3 - - 2

10.0.8.0 10.0.3.1 255.255.255.0 UGS 5 - - 2

10.0.2.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.0.0 10.0.3.1 255.255.255.0 UGS 3 - - 2

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.6.0 10.0.1.1 255.255.255.0 UGS 11 - - 1

Node: 5, Time: +45.0s, Local time: +45.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 5, Time: +45.0s, Local time: +45.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.3.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.2.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.1.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.7.0 10.0.5.2 255.255.255.0 UGS 2 - - 2

10.0.6.0 10.0.4.1 255.255.255.0 UGS 13 - - 1

10.0.8.0 10.0.5.2 255.255.255.0 UGS 3 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 6, Time: +45.0s, Local time: +45.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 6, Time: +45.0s, Local time: +45.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.3.0 10.0.5.1 255.255.255.0 UGS 3 - - 1

10.0.1.0 10.0.5.1 255.255.255.0 UGS 4 - - 1

10.0.0.0 10.0.5.1 255.255.255.0 UGS 4 - - 1

10.0.2.0 10.0.5.1 255.255.255.0 UGS 3 - - 1

10.0.4.0 10.0.5.1 255.255.255.0 UGS 2 - - 1

10.0.8.0 10.0.7.2 255.255.255.0 UGS 2 - - 3

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.6.0 10.0.5.1 255.255.255.0 UGS 14 - - 1

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 7, Time: +45.0s, Local time: +45.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 7, Time: +45.0s, Local time: +45.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.7.1 255.255.255.0 UGS 3 - - 1

10.0.2.0 10.0.7.1 255.255.255.0 UGS 4 - - 1

10.0.0.0 10.0.7.1 255.255.255.0 UGS 5 - - 1

10.0.1.0 10.0.7.1 255.255.255.0 UGS 5 - - 1

10.0.3.0 10.0.7.1 255.255.255.0 UGS 4 - - 1

10.0.5.0 10.0.7.1 255.255.255.0 UGS 2 - - 1

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.8.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 2, Time: +46.0s, Local time: +46.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 2, Time: +46.0s, Local time: +46.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.6.0 10.0.3.2 255.255.255.0 UGS 12 - - 2

10.0.8.0 10.0.4.2 255.255.255.0 UGS 4 - - 3

10.0.5.0 10.0.4.2 255.255.255.0 UGS 2 - - 3

10.0.7.0 10.0.4.2 255.255.255.0 UGS 3 - - 3

10.0.1.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 3, Time: +46.0s, Local time: +46.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 3, Time: +46.0s, Local time: +46.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.6.0 10.0.2.1 255.255.255.0 UGS 13 - - 3

10.0.8.0 10.0.2.1 255.255.255.0 UGS 5 - - 3

10.0.5.0 10.0.2.1 255.255.255.0 UGS 3 - - 3

10.0.7.0 10.0.2.1 255.255.255.0 UGS 4 - - 3

10.0.4.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.3.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.0.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 4, Time: +46.0s, Local time: +46.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 4, Time: +46.0s, Local time: +46.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.7.0 10.0.3.1 255.255.255.0 UGS 4 - - 2

10.0.5.0 10.0.3.1 255.255.255.0 UGS 3 - - 2

10.0.8.0 10.0.3.1 255.255.255.0 UGS 5 - - 2

10.0.2.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.0.0 10.0.3.1 255.255.255.0 UGS 3 - - 2

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 5, Time: +46.0s, Local time: +46.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 5, Time: +46.0s, Local time: +46.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.3.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.2.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.1.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.7.0 10.0.5.2 255.255.255.0 UGS 2 - - 2

10.0.6.0 10.0.4.1 255.255.255.0 UGS 13 - - 1

10.0.8.0 10.0.5.2 255.255.255.0 UGS 3 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 6, Time: +46.0s, Local time: +46.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 6, Time: +46.0s, Local time: +46.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.3.0 10.0.5.1 255.255.255.0 UGS 3 - - 1

10.0.1.0 10.0.5.1 255.255.255.0 UGS 4 - - 1

10.0.0.0 10.0.5.1 255.255.255.0 UGS 4 - - 1

10.0.2.0 10.0.5.1 255.255.255.0 UGS 3 - - 1

10.0.4.0 10.0.5.1 255.255.255.0 UGS 2 - - 1

10.0.8.0 10.0.7.2 255.255.255.0 UGS 2 - - 3

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.6.0 10.0.5.1 255.255.255.0 UGS 14 - - 1

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 7, Time: +46.0s, Local time: +46.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 7, Time: +46.0s, Local time: +46.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.7.1 255.255.255.0 UGS 3 - - 1

10.0.2.0 10.0.7.1 255.255.255.0 UGS 4 - - 1

10.0.0.0 10.0.7.1 255.255.255.0 UGS 5 - - 1

10.0.1.0 10.0.7.1 255.255.255.0 UGS 5 - - 1

10.0.3.0 10.0.7.1 255.255.255.0 UGS 4 - - 1

10.0.5.0 10.0.7.1 255.255.255.0 UGS 2 - - 1

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.8.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 2, Time: +47.0s, Local time: +47.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 2, Time: +47.0s, Local time: +47.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.6.0 10.0.3.2 255.255.255.0 UGS 12 - - 2

10.0.8.0 10.0.4.2 255.255.255.0 UGS 4 - - 3

10.0.5.0 10.0.4.2 255.255.255.0 UGS 2 - - 3

10.0.7.0 10.0.4.2 255.255.255.0 UGS 3 - - 3

10.0.1.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 3, Time: +47.0s, Local time: +47.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 3, Time: +47.0s, Local time: +47.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.6.0 10.0.2.1 255.255.255.0 UGS 13 - - 3

10.0.8.0 10.0.2.1 255.255.255.0 UGS 5 - - 3

10.0.5.0 10.0.2.1 255.255.255.0 UGS 3 - - 3

10.0.7.0 10.0.2.1 255.255.255.0 UGS 4 - - 3

10.0.4.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.3.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.0.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 4, Time: +47.0s, Local time: +47.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 4, Time: +47.0s, Local time: +47.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.7.0 10.0.3.1 255.255.255.0 UGS 4 - - 2

10.0.5.0 10.0.3.1 255.255.255.0 UGS 3 - - 2

10.0.8.0 10.0.3.1 255.255.255.0 UGS 5 - - 2

10.0.2.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.0.0 10.0.3.1 255.255.255.0 UGS 3 - - 2

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 5, Time: +47.0s, Local time: +47.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 5, Time: +47.0s, Local time: +47.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.3.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.2.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.1.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.7.0 10.0.5.2 255.255.255.0 UGS 2 - - 2

10.0.6.0 10.0.4.1 255.255.255.0 UGS 13 - - 1

10.0.8.0 10.0.5.2 255.255.255.0 UGS 3 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 6, Time: +47.0s, Local time: +47.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 6, Time: +47.0s, Local time: +47.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.3.0 10.0.5.1 255.255.255.0 UGS 3 - - 1

10.0.1.0 10.0.5.1 255.255.255.0 UGS 4 - - 1

10.0.0.0 10.0.5.1 255.255.255.0 UGS 4 - - 1

10.0.2.0 10.0.5.1 255.255.255.0 UGS 3 - - 1

10.0.4.0 10.0.5.1 255.255.255.0 UGS 2 - - 1

10.0.8.0 10.0.7.2 255.255.255.0 UGS 2 - - 3

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.6.0 10.0.5.1 255.255.255.0 UGS 14 - - 1

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 7, Time: +47.0s, Local time: +47.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 7, Time: +47.0s, Local time: +47.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.7.1 255.255.255.0 UGS 3 - - 1

10.0.2.0 10.0.7.1 255.255.255.0 UGS 4 - - 1

10.0.0.0 10.0.7.1 255.255.255.0 UGS 5 - - 1

10.0.1.0 10.0.7.1 255.255.255.0 UGS 5 - - 1

10.0.3.0 10.0.7.1 255.255.255.0 UGS 4 - - 1

10.0.5.0 10.0.7.1 255.255.255.0 UGS 2 - - 1

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.8.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 2, Time: +48.0s, Local time: +48.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 2, Time: +48.0s, Local time: +48.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.8.0 10.0.4.2 255.255.255.0 UGS 4 - - 3

10.0.5.0 10.0.4.2 255.255.255.0 UGS 2 - - 3

10.0.7.0 10.0.4.2 255.255.255.0 UGS 3 - - 3

10.0.1.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 3, Time: +48.0s, Local time: +48.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 3, Time: +48.0s, Local time: +48.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.6.0 10.0.2.1 255.255.255.0 UGS 13 - - 3

10.0.8.0 10.0.2.1 255.255.255.0 UGS 5 - - 3

10.0.5.0 10.0.2.1 255.255.255.0 UGS 3 - - 3

10.0.7.0 10.0.2.1 255.255.255.0 UGS 4 - - 3

10.0.4.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.3.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.0.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 4, Time: +48.0s, Local time: +48.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 4, Time: +48.0s, Local time: +48.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.7.0 10.0.3.1 255.255.255.0 UGS 4 - - 2

10.0.5.0 10.0.3.1 255.255.255.0 UGS 3 - - 2

10.0.8.0 10.0.3.1 255.255.255.0 UGS 5 - - 2

10.0.2.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.0.0 10.0.3.1 255.255.255.0 UGS 3 - - 2

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 5, Time: +48.0s, Local time: +48.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 5, Time: +48.0s, Local time: +48.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.3.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.2.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.1.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.7.0 10.0.5.2 255.255.255.0 UGS 2 - - 2

10.0.6.0 10.0.4.1 255.255.255.0 UGS 13 - - 1

10.0.8.0 10.0.5.2 255.255.255.0 UGS 3 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 6, Time: +48.0s, Local time: +48.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 6, Time: +48.0s, Local time: +48.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.3.0 10.0.5.1 255.255.255.0 UGS 3 - - 1

10.0.1.0 10.0.5.1 255.255.255.0 UGS 4 - - 1

10.0.0.0 10.0.5.1 255.255.255.0 UGS 4 - - 1

10.0.2.0 10.0.5.1 255.255.255.0 UGS 3 - - 1

10.0.4.0 10.0.5.1 255.255.255.0 UGS 2 - - 1

10.0.8.0 10.0.7.2 255.255.255.0 UGS 2 - - 3

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.6.0 10.0.5.1 255.255.255.0 UGS 14 - - 1

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 7, Time: +48.0s, Local time: +48.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 7, Time: +48.0s, Local time: +48.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.7.1 255.255.255.0 UGS 3 - - 1

10.0.2.0 10.0.7.1 255.255.255.0 UGS 4 - - 1

10.0.0.0 10.0.7.1 255.255.255.0 UGS 5 - - 1

10.0.1.0 10.0.7.1 255.255.255.0 UGS 5 - - 1

10.0.3.0 10.0.7.1 255.255.255.0 UGS 4 - - 1

10.0.5.0 10.0.7.1 255.255.255.0 UGS 2 - - 1

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.8.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 2, Time: +49.0s, Local time: +49.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 2, Time: +49.0s, Local time: +49.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.8.0 10.0.4.2 255.255.255.0 UGS 4 - - 3

10.0.5.0 10.0.4.2 255.255.255.0 UGS 2 - - 3

10.0.7.0 10.0.4.2 255.255.255.0 UGS 3 - - 3

10.0.1.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 3, Time: +49.0s, Local time: +49.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 3, Time: +49.0s, Local time: +49.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.8.0 10.0.2.1 255.255.255.0 UGS 5 - - 3

10.0.5.0 10.0.2.1 255.255.255.0 UGS 3 - - 3

10.0.7.0 10.0.2.1 255.255.255.0 UGS 4 - - 3

10.0.4.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.3.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.0.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 4, Time: +49.0s, Local time: +49.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 4, Time: +49.0s, Local time: +49.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.7.0 10.0.3.1 255.255.255.0 UGS 4 - - 2

10.0.5.0 10.0.3.1 255.255.255.0 UGS 3 - - 2

10.0.8.0 10.0.3.1 255.255.255.0 UGS 5 - - 2

10.0.2.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.0.0 10.0.3.1 255.255.255.0 UGS 3 - - 2

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 5, Time: +49.0s, Local time: +49.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 5, Time: +49.0s, Local time: +49.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.3.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.2.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.1.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.7.0 10.0.5.2 255.255.255.0 UGS 2 - - 2

10.0.8.0 10.0.5.2 255.255.255.0 UGS 3 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 6, Time: +49.0s, Local time: +49.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 6, Time: +49.0s, Local time: +49.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.3.0 10.0.5.1 255.255.255.0 UGS 3 - - 1

10.0.1.0 10.0.5.1 255.255.255.0 UGS 4 - - 1

10.0.0.0 10.0.5.1 255.255.255.0 UGS 4 - - 1

10.0.2.0 10.0.5.1 255.255.255.0 UGS 3 - - 1

10.0.4.0 10.0.5.1 255.255.255.0 UGS 2 - - 1

10.0.8.0 10.0.7.2 255.255.255.0 UGS 2 - - 3

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.6.0 10.0.5.1 255.255.255.0 UGS 14 - - 1

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 7, Time: +49.0s, Local time: +49.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 7, Time: +49.0s, Local time: +49.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.7.1 255.255.255.0 UGS 3 - - 1

10.0.2.0 10.0.7.1 255.255.255.0 UGS 4 - - 1

10.0.0.0 10.0.7.1 255.255.255.0 UGS 5 - - 1

10.0.1.0 10.0.7.1 255.255.255.0 UGS 5 - - 1

10.0.3.0 10.0.7.1 255.255.255.0 UGS 4 - - 1

10.0.6.0 10.0.7.1 255.255.255.0 UGS 15 - - 1

10.0.5.0 10.0.7.1 255.255.255.0 UGS 2 - - 1

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.8.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 2, Time: +50.0s, Local time: +50.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 2, Time: +50.0s, Local time: +50.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.8.0 10.0.4.2 255.255.255.0 UGS 4 - - 3

10.0.5.0 10.0.4.2 255.255.255.0 UGS 2 - - 3

10.0.7.0 10.0.4.2 255.255.255.0 UGS 3 - - 3

10.0.1.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 3, Time: +50.0s, Local time: +50.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 3, Time: +50.0s, Local time: +50.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.8.0 10.0.2.1 255.255.255.0 UGS 5 - - 3

10.0.5.0 10.0.2.1 255.255.255.0 UGS 3 - - 3

10.0.7.0 10.0.2.1 255.255.255.0 UGS 4 - - 3

10.0.4.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.3.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.0.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 4, Time: +50.0s, Local time: +50.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 4, Time: +50.0s, Local time: +50.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.7.0 10.0.3.1 255.255.255.0 UGS 4 - - 2

10.0.5.0 10.0.3.1 255.255.255.0 UGS 3 - - 2

10.0.8.0 10.0.3.1 255.255.255.0 UGS 5 - - 2

10.0.2.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.0.0 10.0.3.1 255.255.255.0 UGS 3 - - 2

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 5, Time: +50.0s, Local time: +50.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 5, Time: +50.0s, Local time: +50.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.3.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.2.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.1.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.7.0 10.0.5.2 255.255.255.0 UGS 2 - - 2

10.0.8.0 10.0.5.2 255.255.255.0 UGS 3 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 6, Time: +50.0s, Local time: +50.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 6, Time: +50.0s, Local time: +50.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.3.0 10.0.5.1 255.255.255.0 UGS 3 - - 1

10.0.1.0 10.0.5.1 255.255.255.0 UGS 4 - - 1

10.0.0.0 10.0.5.1 255.255.255.0 UGS 4 - - 1

10.0.2.0 10.0.5.1 255.255.255.0 UGS 3 - - 1

10.0.4.0 10.0.5.1 255.255.255.0 UGS 2 - - 1

10.0.8.0 10.0.7.2 255.255.255.0 UGS 2 - - 3

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.6.0 10.0.5.1 255.255.255.0 UGS 14 - - 1

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 7, Time: +50.0s, Local time: +50.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 7, Time: +50.0s, Local time: +50.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.7.1 255.255.255.0 UGS 3 - - 1

10.0.2.0 10.0.7.1 255.255.255.0 UGS 4 - - 1

10.0.0.0 10.0.7.1 255.255.255.0 UGS 5 - - 1

10.0.1.0 10.0.7.1 255.255.255.0 UGS 5 - - 1

10.0.3.0 10.0.7.1 255.255.255.0 UGS 4 - - 1

10.0.6.0 10.0.7.1 255.255.255.0 UGS 15 - - 1

10.0.5.0 10.0.7.1 255.255.255.0 UGS 2 - - 1

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.8.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 2, Time: +51.0s, Local time: +51.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 2, Time: +51.0s, Local time: +51.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.8.0 10.0.4.2 255.255.255.0 UGS 4 - - 3

10.0.5.0 10.0.4.2 255.255.255.0 UGS 2 - - 3

10.0.7.0 10.0.4.2 255.255.255.0 UGS 3 - - 3

10.0.1.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 3, Time: +51.0s, Local time: +51.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 3, Time: +51.0s, Local time: +51.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.8.0 10.0.2.1 255.255.255.0 UGS 5 - - 3

10.0.5.0 10.0.2.1 255.255.255.0 UGS 3 - - 3

10.0.7.0 10.0.2.1 255.255.255.0 UGS 4 - - 3

10.0.4.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.3.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.0.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 4, Time: +51.0s, Local time: +51.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 4, Time: +51.0s, Local time: +51.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.7.0 10.0.3.1 255.255.255.0 UGS 4 - - 2

10.0.5.0 10.0.3.1 255.255.255.0 UGS 3 - - 2

10.0.8.0 10.0.3.1 255.255.255.0 UGS 5 - - 2

10.0.2.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.0.0 10.0.3.1 255.255.255.0 UGS 3 - - 2

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 5, Time: +51.0s, Local time: +51.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 5, Time: +51.0s, Local time: +51.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.3.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.2.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.1.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.7.0 10.0.5.2 255.255.255.0 UGS 2 - - 2

10.0.8.0 10.0.5.2 255.255.255.0 UGS 3 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 6, Time: +51.0s, Local time: +51.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 6, Time: +51.0s, Local time: +51.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.3.0 10.0.5.1 255.255.255.0 UGS 3 - - 1

10.0.1.0 10.0.5.1 255.255.255.0 UGS 4 - - 1

10.0.0.0 10.0.5.1 255.255.255.0 UGS 4 - - 1

10.0.2.0 10.0.5.1 255.255.255.0 UGS 3 - - 1

10.0.4.0 10.0.5.1 255.255.255.0 UGS 2 - - 1

10.0.8.0 10.0.7.2 255.255.255.0 UGS 2 - - 3

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.6.0 10.0.5.1 255.255.255.0 UGS 14 - - 1

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 7, Time: +51.0s, Local time: +51.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 7, Time: +51.0s, Local time: +51.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.7.1 255.255.255.0 UGS 3 - - 1

10.0.2.0 10.0.7.1 255.255.255.0 UGS 4 - - 1

10.0.0.0 10.0.7.1 255.255.255.0 UGS 5 - - 1

10.0.1.0 10.0.7.1 255.255.255.0 UGS 5 - - 1

10.0.3.0 10.0.7.1 255.255.255.0 UGS 4 - - 1

10.0.6.0 10.0.7.1 255.255.255.0 UGS 15 - - 1

10.0.5.0 10.0.7.1 255.255.255.0 UGS 2 - - 1

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.8.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 2, Time: +52.0s, Local time: +52.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 2, Time: +52.0s, Local time: +52.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.8.0 10.0.4.2 255.255.255.0 UGS 4 - - 3

10.0.5.0 10.0.4.2 255.255.255.0 UGS 2 - - 3

10.0.7.0 10.0.4.2 255.255.255.0 UGS 3 - - 3

10.0.1.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 3, Time: +52.0s, Local time: +52.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 3, Time: +52.0s, Local time: +52.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.8.0 10.0.2.1 255.255.255.0 UGS 5 - - 3

10.0.5.0 10.0.2.1 255.255.255.0 UGS 3 - - 3

10.0.7.0 10.0.2.1 255.255.255.0 UGS 4 - - 3

10.0.4.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.3.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.0.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 4, Time: +52.0s, Local time: +52.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 4, Time: +52.0s, Local time: +52.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.7.0 10.0.3.1 255.255.255.0 UGS 4 - - 2

10.0.5.0 10.0.3.1 255.255.255.0 UGS 3 - - 2

10.0.8.0 10.0.3.1 255.255.255.0 UGS 5 - - 2

10.0.2.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.0.0 10.0.3.1 255.255.255.0 UGS 3 - - 2

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 5, Time: +52.0s, Local time: +52.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 5, Time: +52.0s, Local time: +52.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.3.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.2.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.1.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.7.0 10.0.5.2 255.255.255.0 UGS 2 - - 2

10.0.8.0 10.0.5.2 255.255.255.0 UGS 3 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 6, Time: +52.0s, Local time: +52.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 6, Time: +52.0s, Local time: +52.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.3.0 10.0.5.1 255.255.255.0 UGS 3 - - 1

10.0.1.0 10.0.5.1 255.255.255.0 UGS 4 - - 1

10.0.0.0 10.0.5.1 255.255.255.0 UGS 4 - - 1

10.0.2.0 10.0.5.1 255.255.255.0 UGS 3 - - 1

10.0.4.0 10.0.5.1 255.255.255.0 UGS 2 - - 1

10.0.8.0 10.0.7.2 255.255.255.0 UGS 2 - - 3

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 7, Time: +52.0s, Local time: +52.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 7, Time: +52.0s, Local time: +52.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.7.1 255.255.255.0 UGS 3 - - 1

10.0.2.0 10.0.7.1 255.255.255.0 UGS 4 - - 1

10.0.0.0 10.0.7.1 255.255.255.0 UGS 5 - - 1

10.0.1.0 10.0.7.1 255.255.255.0 UGS 5 - - 1

10.0.3.0 10.0.7.1 255.255.255.0 UGS 4 - - 1

10.0.6.0 10.0.7.1 255.255.255.0 UGS 15 - - 1

10.0.5.0 10.0.7.1 255.255.255.0 UGS 2 - - 1

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.8.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 2, Time: +53.0s, Local time: +53.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 2, Time: +53.0s, Local time: +53.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.8.0 10.0.4.2 255.255.255.0 UGS 4 - - 3

10.0.5.0 10.0.4.2 255.255.255.0 UGS 2 - - 3

10.0.7.0 10.0.4.2 255.255.255.0 UGS 3 - - 3

10.0.1.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.2.2 255.255.255.0 UGS 2 - - 1

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 3, Time: +53.0s, Local time: +53.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 3, Time: +53.0s, Local time: +53.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.8.0 10.0.2.1 255.255.255.0 UGS 5 - - 3

10.0.5.0 10.0.2.1 255.255.255.0 UGS 3 - - 3

10.0.7.0 10.0.2.1 255.255.255.0 UGS 4 - - 3

10.0.4.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.3.0 10.0.2.1 255.255.255.0 UGS 2 - - 3

10.0.0.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 2

10.0.2.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 4, Time: +53.0s, Local time: +53.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 4, Time: +53.0s, Local time: +53.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.7.0 10.0.3.1 255.255.255.0 UGS 4 - - 2

10.0.5.0 10.0.3.1 255.255.255.0 UGS 3 - - 2

10.0.8.0 10.0.3.1 255.255.255.0 UGS 5 - - 2

10.0.2.0 10.0.3.1 255.255.255.0 UGS 2 - - 2

10.0.0.0 10.0.3.1 255.255.255.0 UGS 3 - - 2

10.0.1.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.3.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 5, Time: +53.0s, Local time: +53.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 5, Time: +53.0s, Local time: +53.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.3.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.2.0 10.0.4.1 255.255.255.0 UGS 2 - - 1

10.0.0.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.1.0 10.0.4.1 255.255.255.0 UGS 3 - - 1

10.0.7.0 10.0.5.2 255.255.255.0 UGS 2 - - 2

10.0.8.0 10.0.5.2 255.255.255.0 UGS 3 - - 2

10.0.4.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 2

Node: 6, Time: +53.0s, Local time: +53.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 6, Time: +53.0s, Local time: +53.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.3.0 10.0.5.1 255.255.255.0 UGS 3 - - 1

10.0.1.0 10.0.5.1 255.255.255.0 UGS 4 - - 1

10.0.0.0 10.0.5.1 255.255.255.0 UGS 4 - - 1

10.0.2.0 10.0.5.1 255.255.255.0 UGS 3 - - 1

10.0.4.0 10.0.5.1 255.255.255.0 UGS 2 - - 1

10.0.8.0 10.0.7.2 255.255.255.0 UGS 2 - - 3

10.0.5.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 3

Node: 7, Time: +53.0s, Local time: +53.0s, Ipv4ListRouting table

Priority: 0 Protocol: ns3::Rip

Node: 7, Time: +53.0s, Local time: +53.0s, IPv4 RIP table

Destination Gateway Genmask Flags Metric Ref Use Iface

10.0.4.0 10.0.7.1 255.255.255.0 UGS 3 - - 1

10.0.2.0 10.0.7.1 255.255.255.0 UGS 4 - - 1

10.0.0.0 10.0.7.1 255.255.255.0 UGS 5 - - 1

10.0.1.0 10.0.7.1 255.255.255.0 UGS 5 - - 1

10.0.3.0 10.0.7.1 255.255.255.0 UGS 4 - - 1

10.0.5.0 10.0.7.1 255.255.255.0 UGS 2 - - 1

10.0.7.0 0.0.0.0 255.255.255.0 U 1 - - 1

10.0.8.0 0.0.0.0 255.255.255.0 U 1 - - 2