1

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Ping from: | Ping to: | Connectivity (yes or no) | Packets (PC1-Switch1 link) | Packets (PC3-Switch1 link) |
| PC2 | Switch1 (vlan 1) | N | ARP | NOTHING |
| PC2 | PC3 | N | ARP | NOTINHG |
| PC2 | 192.168.1.34 | N | ARP | NOTINHG |
| PC3 | Switch 1 (vlan 1) | Y | NOTHING | ARP,ICMP |
| PC3 | PC2 | N | NOTHING | ARP |
| PC3 | 192.168.1.34 | N | NOTHING | ARP |
| Switch1 | PC3 | Y | NOTHING | ICMP |
| Switch1 | 192.168.1.34 | N | NOTHING | ARP |

2

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Ping from: | Ping to: | Connectivity (yes or no) | Packets (PC1-Switch1 link) | Packets (PC3-Switch1 link) |
| PC2 | Switch1 (vlan 1) | Y | NOTHING | NOTHING |
| PC2 | PC3 | N | ARP | NOTINHG |
| PC2 | 192.168.1.34 | N | ARP | NOTINHG |
| PC3 | Switch 1 (vlan 1) | N | NOTHING | ARP |
| PC3 | PC2 | N | NOTHING | ARP |
| PC3 | 192.168.1.34 | N | NOTHING | ARP |
| Switch1 | PC3 | N | ICMP REQUEST | NOTHING |
| Switch1 | 192.168.1.34 | N | ARP | NOTHING |

3

|  |  |  |  |
| --- | --- | --- | --- |
| Ping from: | Ping to: | Connectivity (yes or no) | Packets |
| PC1 | Switch1 | Y | ARP(primeira vez que comunicam) |
| PC1 | Switch2 | Y | ARP(primeira vez que comunicam)  ICMP REPLY AND REQUEST |
| PC1 | PC3 | N | ARP |
| PC2 | Switch1 | N | NOTHING |
| PC2 | Switch2 | N | NOTHING |
| PC2 | PC3 | N | NOTHING |
| PC3 | PC1 | N | NOTHING |
| PC3 | PC2 | N | NOTHING |

4

|  |  |  |  |
| --- | --- | --- | --- |
| Ping from: | Ping to: | Connectivity (yes or no) | Packets |
| PC1 | Switch1 | Y | ARP(primeira vez que comunicam) |
| PC1 | Switch2 | Y | ARP(primeira vez que comunicam)  ICMP REPLY AND REQUEST |
| PC1 | PC3 | N | ARP |
| PC2 | Switch1 | N | ARP |
| PC2 | Switch2 | N | ARP |
| PC2 | PC3 | Y | ARP( primeira vez que comunicam)  ICMP REQUEST AND REPLY |
| PC3 | PC1 | N | ARP |
| PC3 | PC2 | Y | ICMP REQUEST AND REPLY |

5

|  |  |  |  |
| --- | --- | --- | --- |
| Ping from: | Ping to: | Connectivity (yes or no) | Packets |
| PC1 | Switch1 | Y | ICMP REQUEST AND REPLY |
| PC1 | Router | Y | ARP(primeira vez que comunicam)  ICMP REPLY AND REQUEST |
| PC1 | PC4 | Y | ARP(primeira vez que comunicam)  ICMP REPLY AND REQUEST |
| PC1 | 192.1.1.100 | N | ICMP(DESTINATION UNREACHABLE) |
| PC4 | Switch1 | Y | ICMP REQUEST AND REPLY |
| PC4 | Router | Y | ICMP REQUEST AND REPLY |
| PC4 | PC1 | Y | ICMP REQUEST AND REPLY |
| PC4 | 192.1.1.100 | N | ICMP ( DESTINATION UNRECHABLE) |