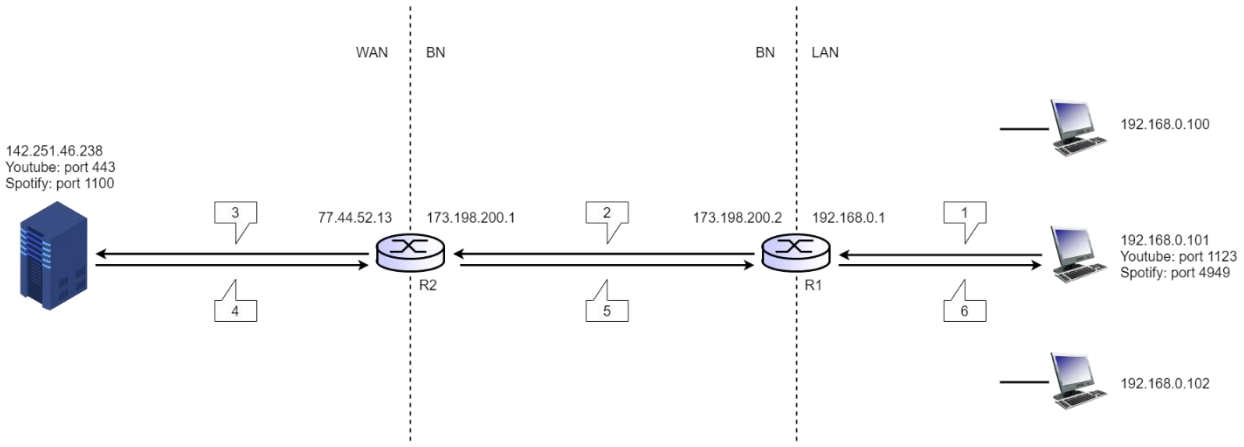

You have 3 clients in a LAN. One of these computers has two programs running, Youtube and Spotify. Both services are being run on the same server. Answer the following questions:
1. Build the NAT tables for routers R1 and R2. You can choose the port numbers for the routers.
2. Give the source and destination IPs and port numbers (sockets), for points 1-6 in the transmission. There are two sockets for each numbered point, because there are two parallel connections.

Question 1

NAT Table for R1

External	Internal
173.198.200.2, x	192.168.0.101, 1123
173.198.200.2, y	192.168.0.101, 4949

NAT Table for R2

External	Internal
77.44.52.13, a	173.198.200.2, x
77.44.52.13, b	173.198.200.2, y

Question 2

<u>Point 1</u>
Source: 192.168.0.101, 1123
Destination: 142.251.46.238, 443

Source: 192.168.0.101, 4949
Destination: 142.251.46.238, 1100

<u>Point 2</u>
Source: 173.198.200.2, x
Destination: 142.251.46.238, 443

Source: 173.198.200.2, y
Destination: 142.251.46.238, 1100

Point 3
Source: 77.44.52.13, a
Destination: 142.251.46.238, 443

Source: 77.44.52.13, b
Destination: 142.251.46.238, 1100

Point 4
Source: 142.251.46.238, 443
Destination: 77.44.52.13, a

Source: 142.251.46.238, 1100
Destination: 77.44.52.13, b

Point 5
Source: 142.251.46.238, 443
Destination: 173.198.200.2, x

Source: 142.251.46.238, 1100
Destination: 173.198.200.2, y

Point 6
Source: 142.251.46.238, 443
Destination: 192.168.0.101, 1123

Source: 142.251.46.238, 1100
Destination: 192.168.0.101, 4949