



Figure 1

You have been given the network of Figure 1. The description of the network is the following:

- PC 1 and PC 2 are equipped with a 10Gbps network adapter (NIC). PC 3 is equipped with a 2.5Gbps NIC, and PC 4 is equipped with a 1Gbps NIC.
- The 4 PCs are connected via CAT6 ethernet to an L2 switch, which supports 10Gbps per port.

Answer the following questions:

- 1) What is the bandwidth between PC 1 and PC 2? Why?
- 2) What is the bandwidth between PC 1 and PC 3? Why?
- 3) What is the bandwidth between PC 1 and PC 4? Why?
- 4) What is the bandwidth between PC 3 and PC 4? Why?
- 5) How could you improve the bandwidth between PC 1 and PC 4?