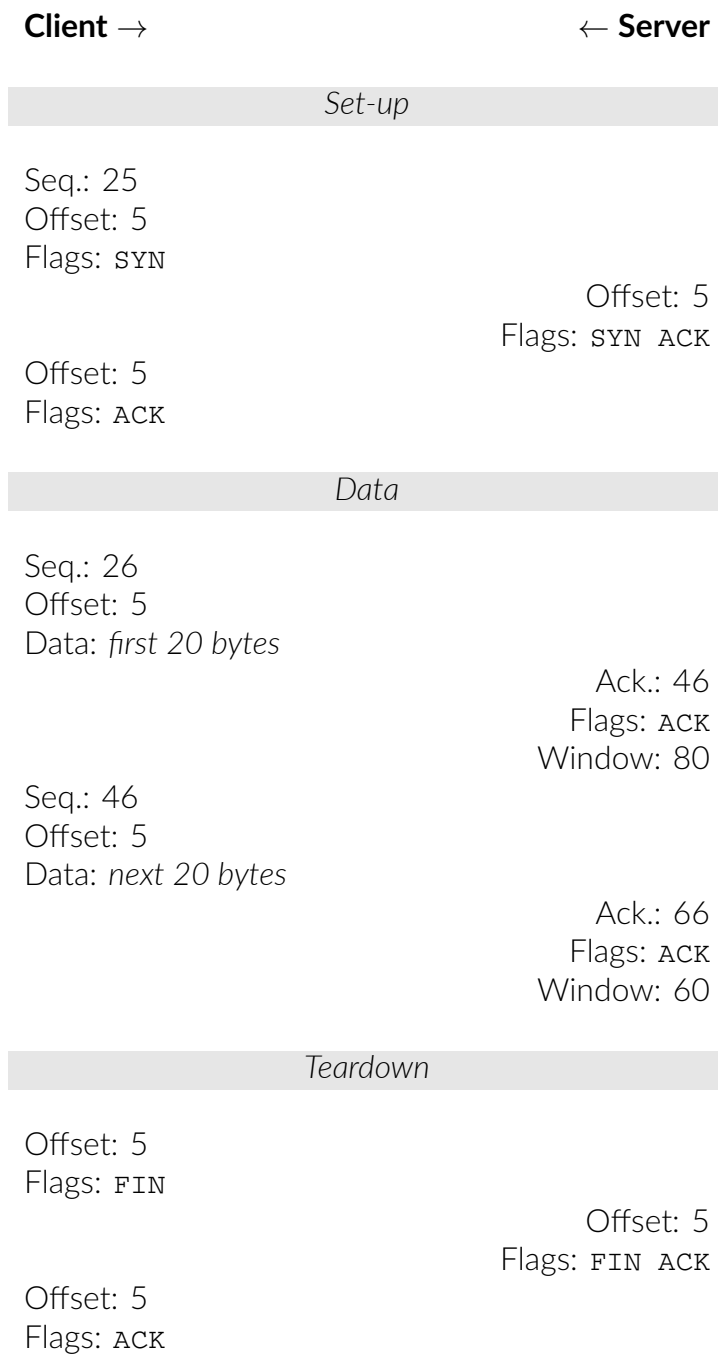


# INS: Tutorial 3

## Question 1

Data is sent via TCP between two hosts, both using port 9090. The data is 40 bytes long, split into two 20-byte segments. The client sets the ISN to 25. The server has a buffer size of 100 bytes and does not process data until after it is all received. No options or additional flags are set.



Source/destination ports of 9090 would be present in every message.

## Question 2

The pseudo-header used in the TCP checksum violates the layering principles of the Internet architecture model because it creates a dependency between protocols on separate layers, which should be completely independent of each other.