MPTCP reliability

• 6% Fallback to regular TCP (middleboxes,...)

• When talking to a server **without** SYN-cookies, fallback drops down to 4.4%

  ➔ ~1.5% of all MPTCP-connections fallback due to unreliable third ACK
Subflow-count

- ~30% of connections have 2 (or more) subflows
- ~50% of connections have 2 (or more) subflows, if they lost the third ACK.
  - Higher chance of packet-loss when using WiFi
- 2% of the connections with 2 (or more) subflows lost the third ACK
  - Being on WiFi, 33% higher chance of falling back to regular TCP (even if there are no middleboxes)
Retransmissions on subflows with lost third ACK

CDF

Percentage of bytes retransmitted