Silliness







Nagle+Clark

- Goal: Sender shouldn't send small segments and receiver should not ask for them.
 - Receiver avoids advertising small TCP windows and delays acks
 - Sender delays transmission of partially filled segments until all previously transmitted data has been accepted.
- Each is simple and makes a lot of sense
 - Prevent the network from becoming congested with small packets.
- What happens when you combine them?







Some Ways To Fix Nagle

- Delay send only if there is an unacknowledged partial segment
 - Prevents delay of a single short "final" segment
- Adapt delayed ack
 - If timeout needed, delay less.
 - If timeout not needed, but used, delay more.

Enough Silliness