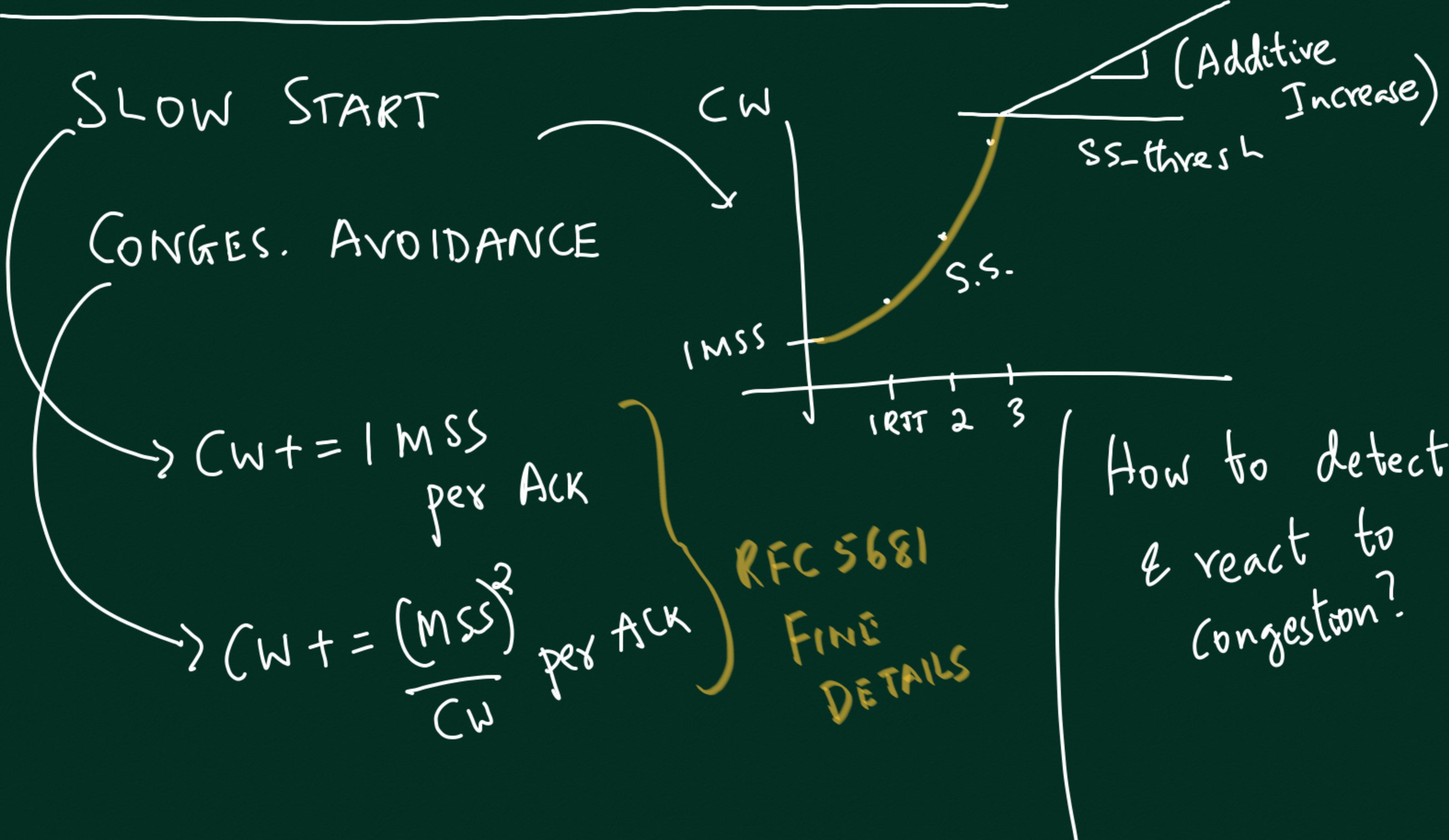
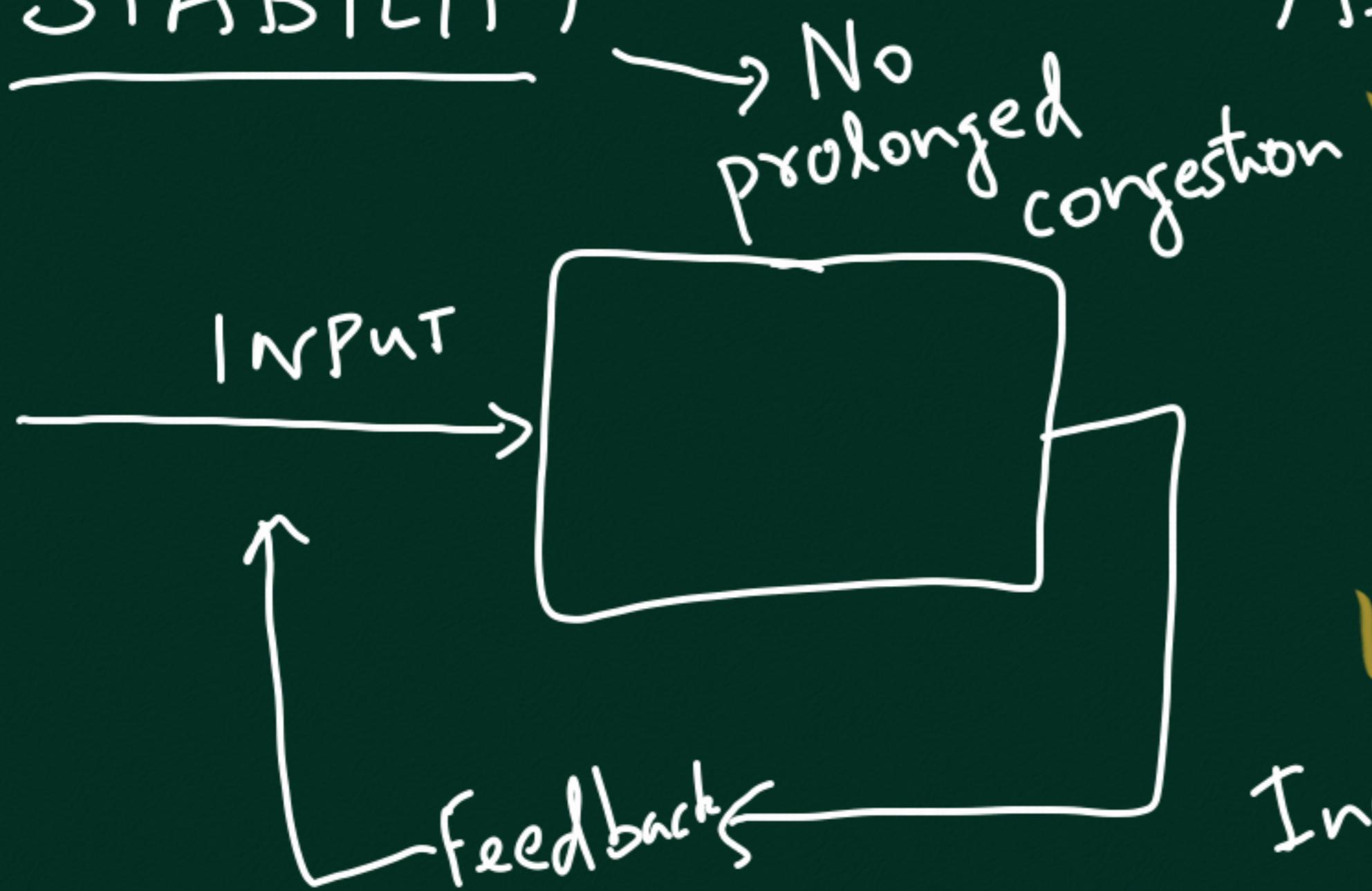


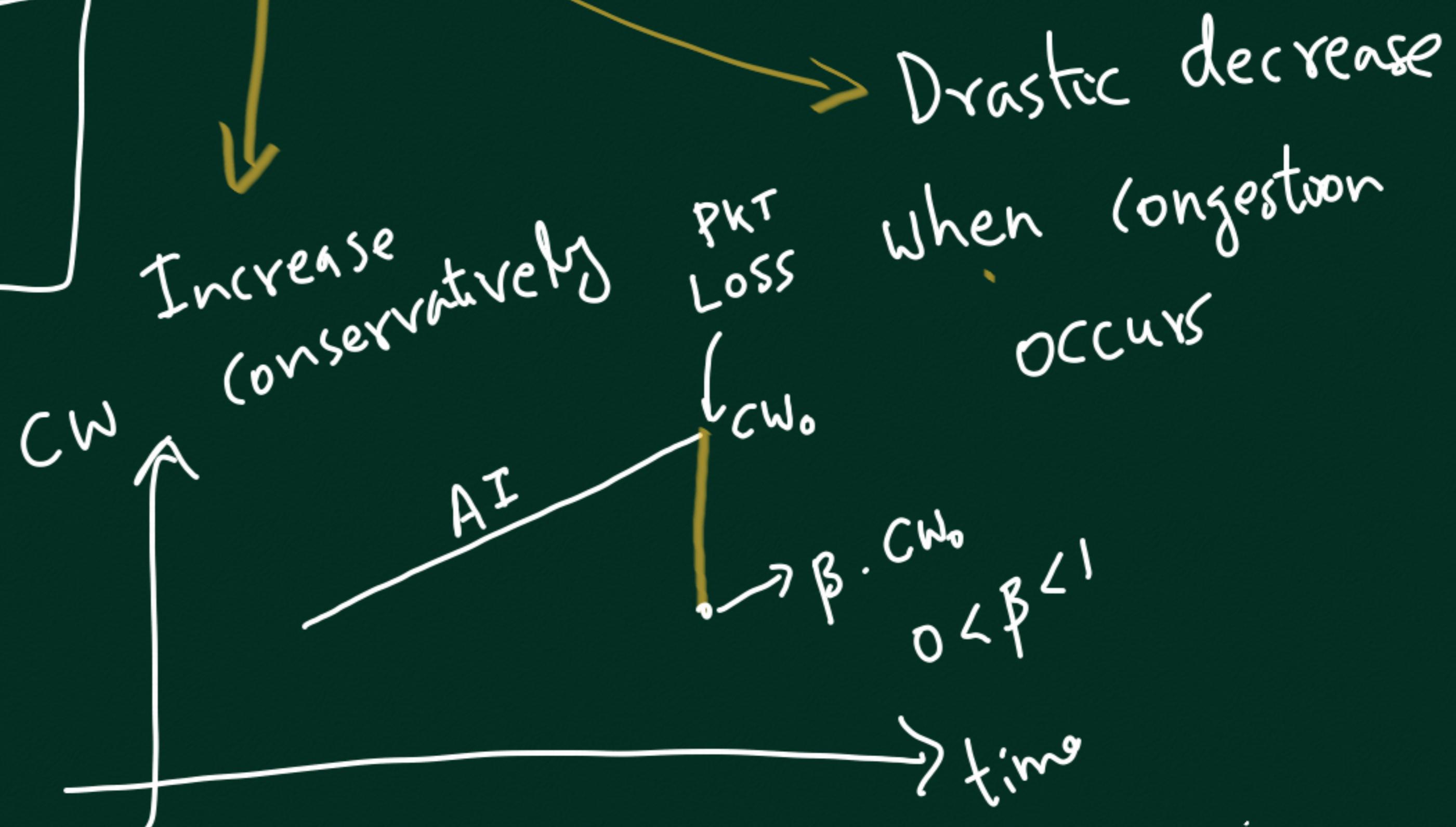
TCP CONGESTION CONTROL



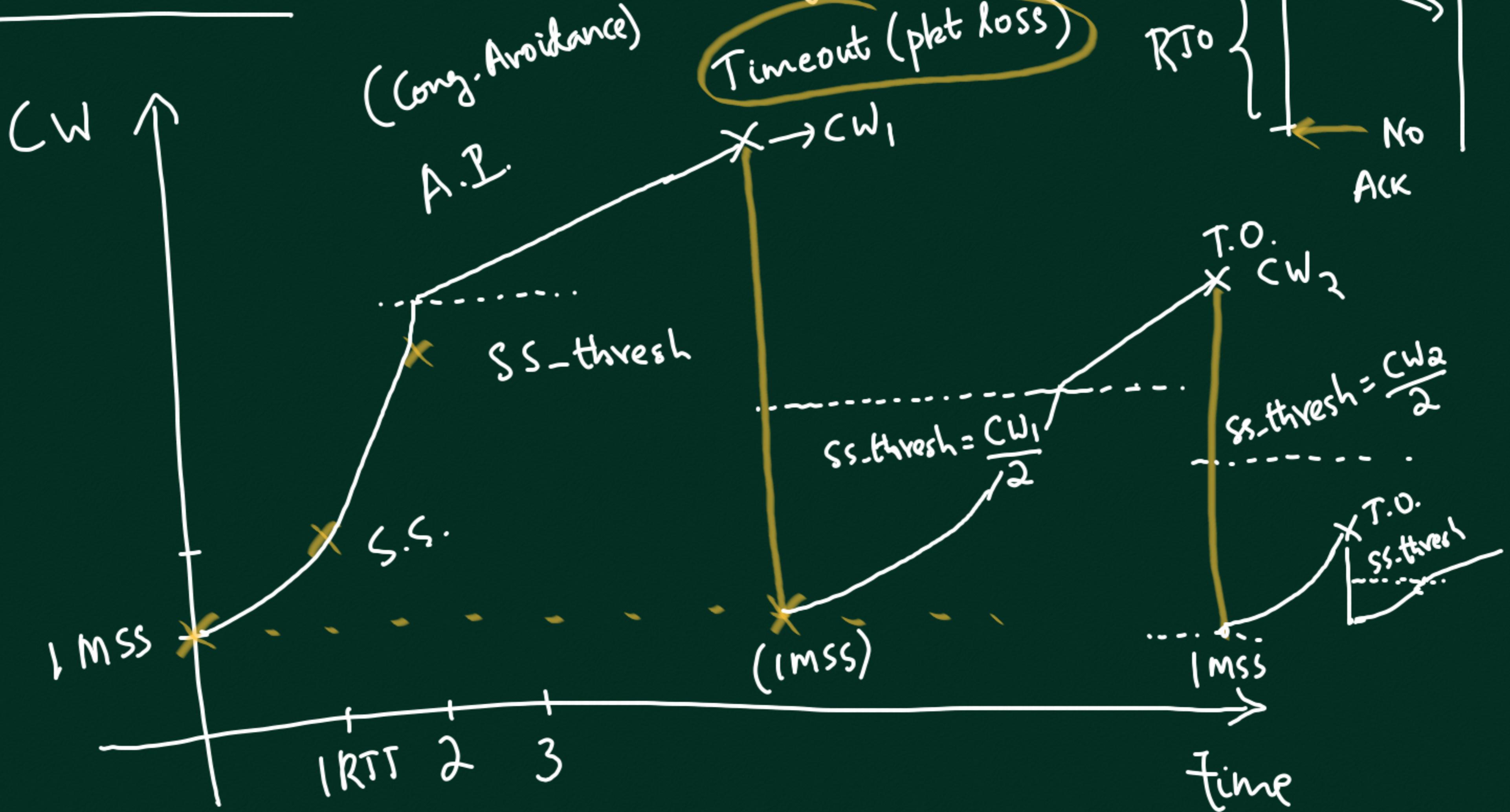
STABILITY



AI-MD: Additive Increase
Multiplicative Decrease



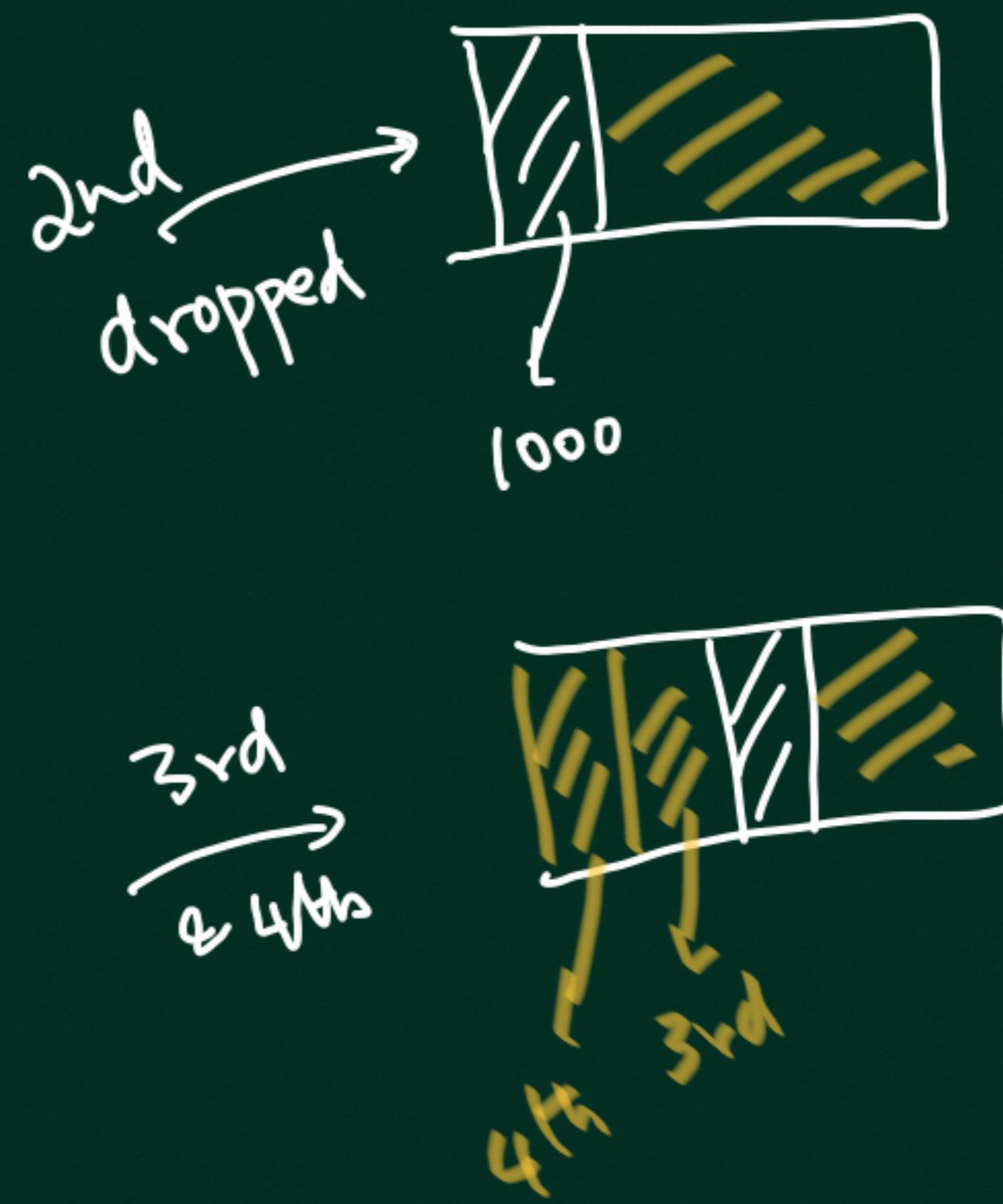
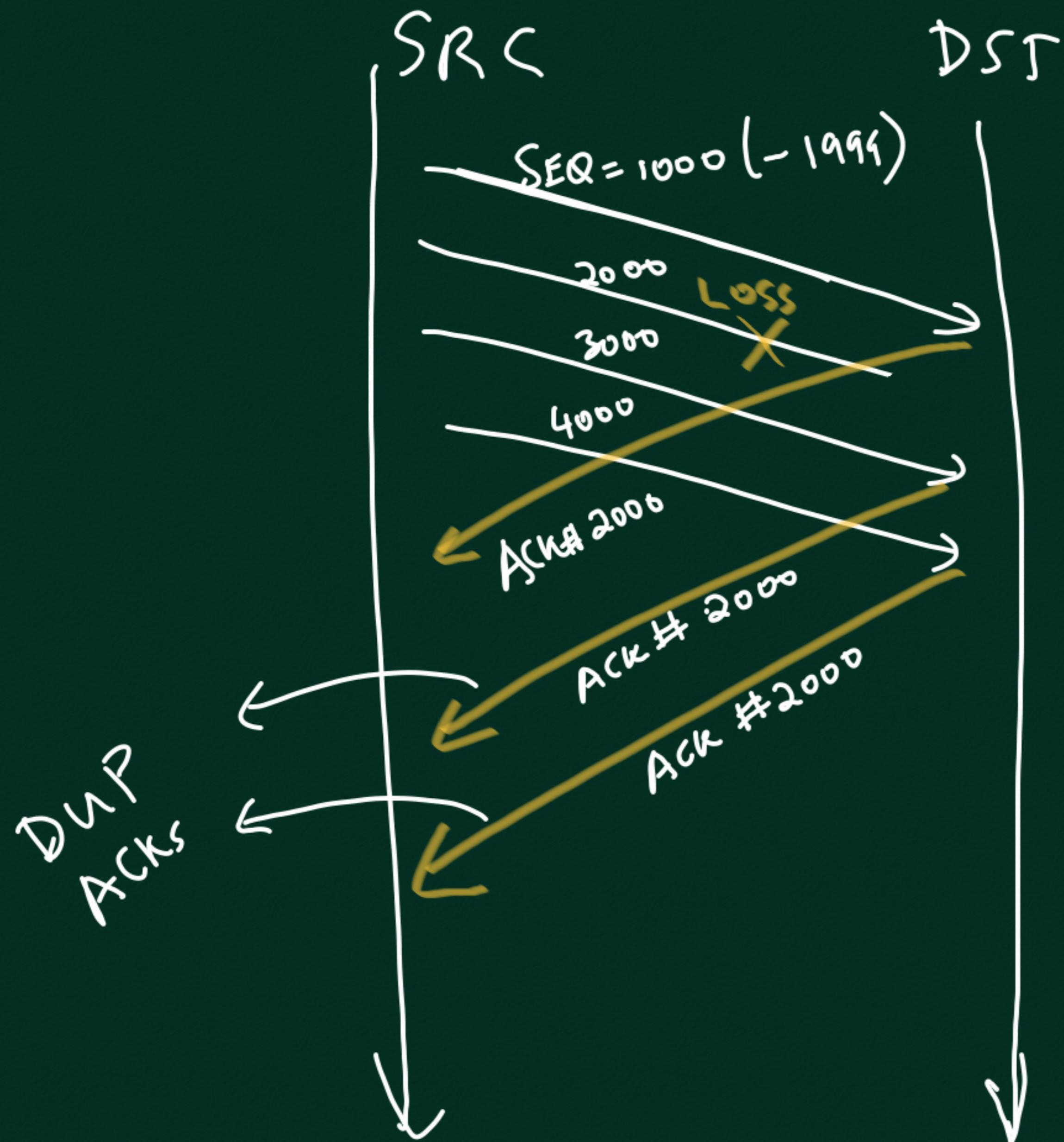
TCP TAHOE → One of early versions

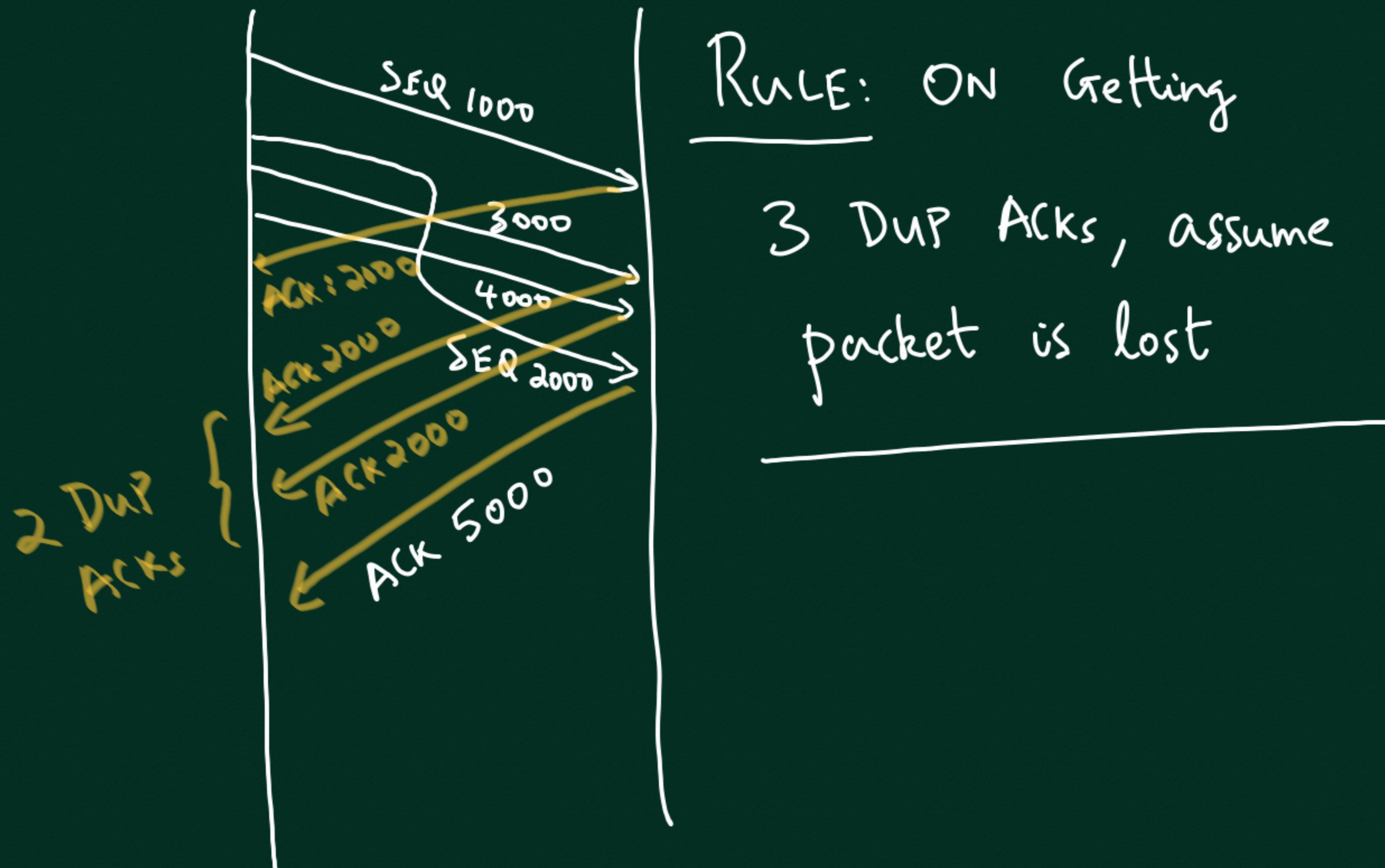


TCP RENO

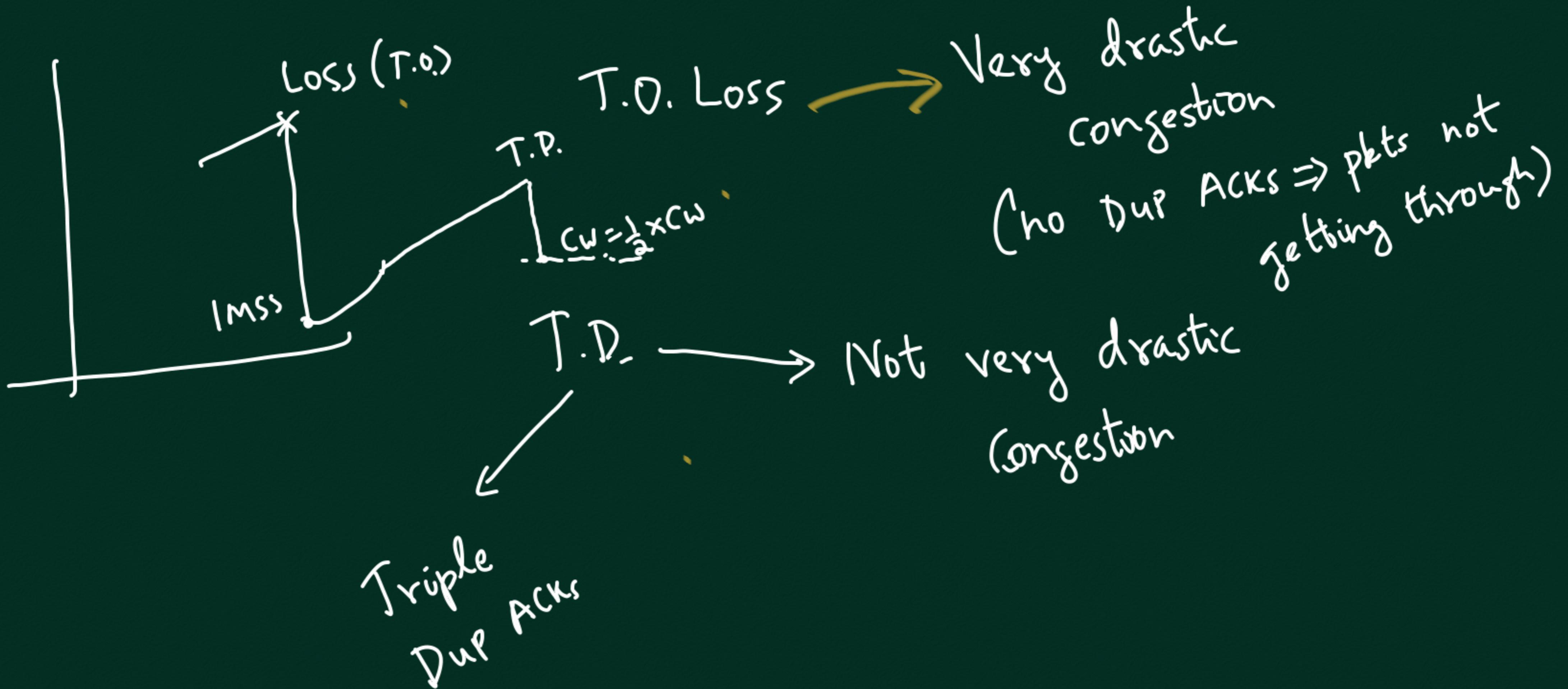


Q. Can we detect Loss
before time-out?





Should we reduce CW to IMSS for every loss?



TCP RENO

FAST RETRANSMIT: If 3 DUP ACKs received

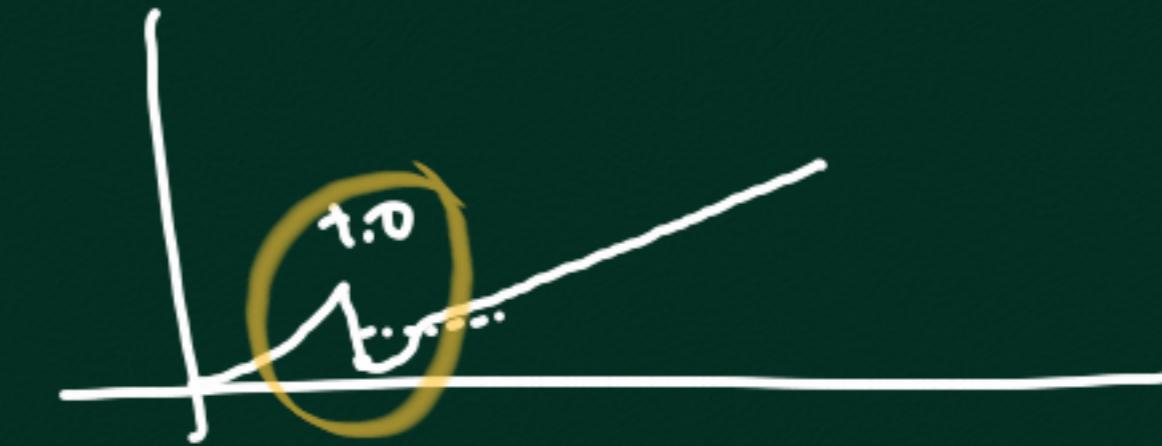
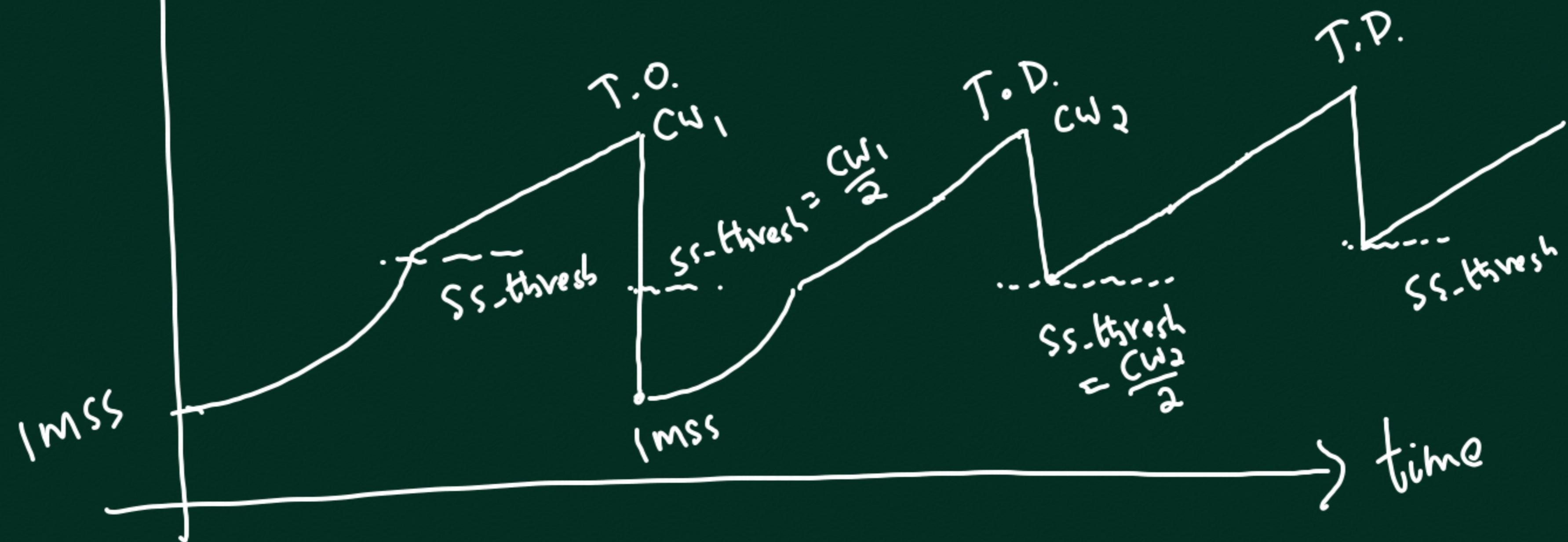
→ assume segment lost & retransmit it

FAST RECOVERY : On getting 3 DUP ACKS,

$$SS_thresh = \frac{CW}{2}$$

$$CW = \frac{1}{2} \times CW$$

TCP RENO



TCP VEGAS

↳ RTT

MZ W G N SFR