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Acknowledgments and Sequence Numbers
"Selecting Sequence Numbers," Proc. ACM Sigcomm/Sigops Interprocess Communications Workshop, Santa Monica, CA, March 1975, pp. 11-23


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"A Timeout-Based Congestion Control Scheme for Window Flow-Controlled Networks," IEEE Jour. on Selected Areas of Communications, Vol. SAC-4, No. 7, October 1986, pp. 1162-1167

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