

Akinsete, A. A. (1999): Blocked finite tandem queues with withdrawal and feedback. *Zbornik radova*. **21**, 93-109. MR1716331.

Abstract:

We discuss the stationary state-space probability of two finite exponential queues in tandem with withdrawals and feedback. For the stability of the network, we obtain the possible value of the feedback probability, and show that the result in literature does not hold under a feedback system. The steady-state joint queue length distribution is based on the eigenvalues and eigenvectors of an associated matrix. An illustrative numerical example is presented.