Analysis of Some Implementation Methods for Priority Queues
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The paper presents the analysis of some priority queue realization methods. It is possible to produce operations such as insertion and deletion and finding the maximum. It is supposed that the probabilities of operations are known. The priority queue is realized using array of $k$ consecutive FIFO-queues. Mathematical models of these methods are developed. The goal is to choose the method that maximizes the average time until memory overflow.

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