

**NETFLIX, INC. vs. BLOCKBUSTER INC.**

**CASE NO. C 06 2361 WHA (JCS)**

**BLOCKBUSTER INC.'S**

**EXHIBIT G**

TO

**JOINT CLAIM CONSTRUCTION AND PREHEARING STATEMENT**

*filed on November 15, 2006*

queuc



## queue

(data structure)

**Definition:** A collection of items in which only the earliest added item may be accessed. Basic operations are add (to the *tail*) or enqueue and delete (from the *head*) or dequeue. Delete returns the item removed. Also known as "first-in, first-out" or FIFO.

**Formal Definition:** It is convenient to define delete or dequeue in terms of remove and a new operation, front. The operations new(), add(v, Q), front(Q), and remove(Q) may be defined with axiomatic semantics as follows.

1. new() returns a queue
2. front(add(v, new())) = v
3. remove(add(v, new())) = new()
4. front(add(v, add(w, Q))) = front(add(w, Q))
5. remove(add(v, add(w, Q))) = add(v, remove(add(w, Q)))

where Q is a queue and v and w are values.

Also known as FIFO.

**Generalization** (I am a kind of ...)  
abstract data type.

**Specialization** (... is a kind of me.)  
bounded queue.

See also deque, stack, priority queue, first come, first served.

Author: PEB

## Implementation

queue

(Java). Darius Bacon's [functional implementation \(Scheme\)](#).

## More information

Demonstrations with [dynamic array](#), [fixed array](#), and [linked list](#) implementations.

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Go to the [Dictionary of Algorithms and Data Structures](#) home page.

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If you have suggestions, corrections, or comments, please get in touch with [Paul E. Black](#).

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