



# FIFO QUEUE REPRESENTATION

## HIT, MISS, DELETE

# FIFO QUEUE

FIFO stands for First In First Out.

The element inserted first is removed first.

Queue operations are performed at two ends:

Enqueue – insertion at rear

Dequeue – deletion from front

# ENQUEUE AND DEQUEUE

**Enqueue:**

Adds an element at the rear of the queue

Performed when queue is not full

**Dequeue:**

Removes an element from the front of the queue

Performed when queue is not empty

# HIT AND MISS CONCEPT

Hit:

The element is already present in the queue

No insertion required

Miss:

The element is not present in the queue

Element is inserted using FIFO rule

# DELETE OPERATION

Delete means removing the front element of the queue.

The deletion follows FIFO order.

If the queue is empty, delete operation results in underflow.