

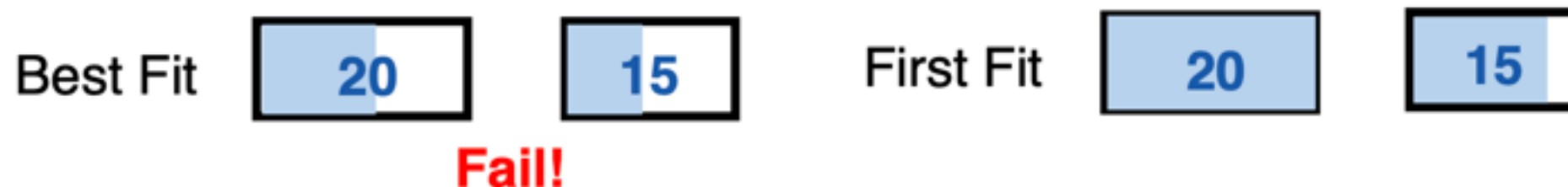
# Best Fit vs First Fit

Suppose memory has two free blocks (size 20 and 15)

- Workload 1 : `alloc(10)` , `alloc(20)`



- Workload 2 : `alloc(8)` , `alloc(12)` , `alloc(12)`



# Comparing First Fit and Best Fit

## **First Fit**

- ✓ Simplest, and often fastest and most efficient
- ⦿ May leave many small fragments near start of memory that must be searched repeatedly

## **Best Fit**

- ✓ In practice, similar storage utilization to first-fit
- ⦿ Left-over fragments tend to be small (unusable)