Best Fit vs First Fit
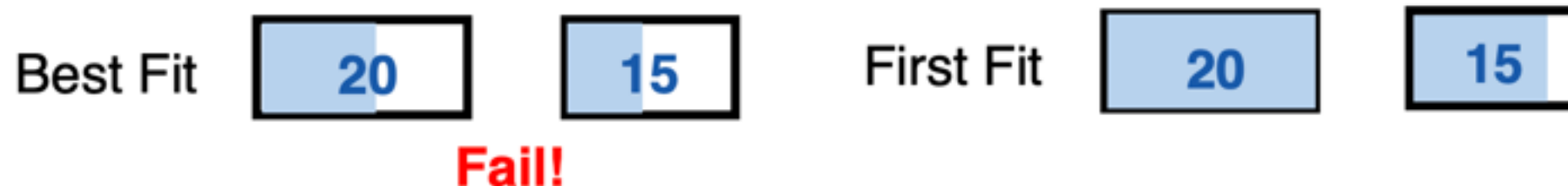
Suppose memory has two free blocks (size 20 and 15)

- 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)