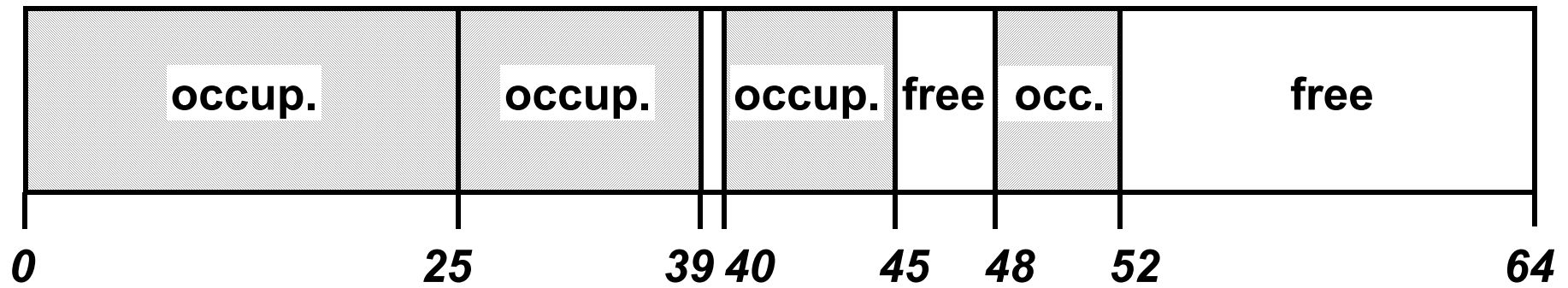


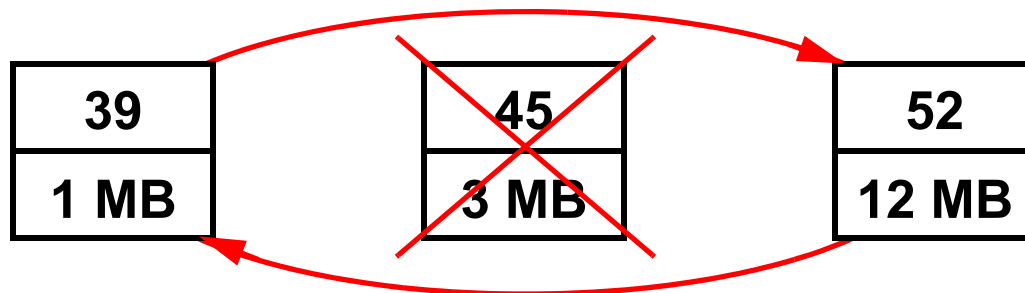
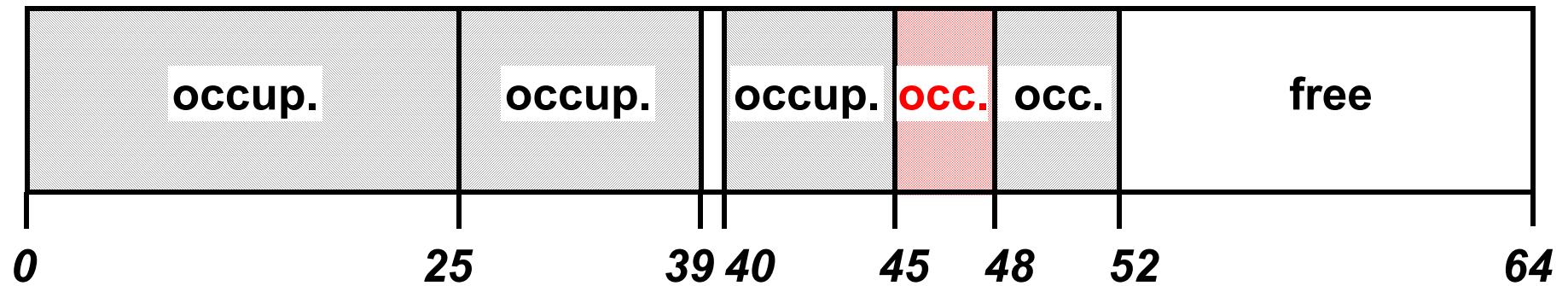
Initial state:

Main Memory

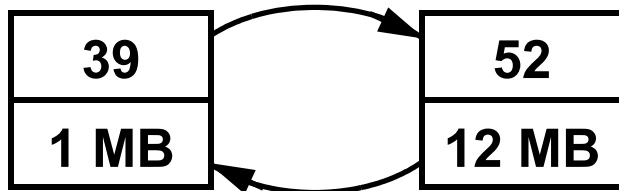
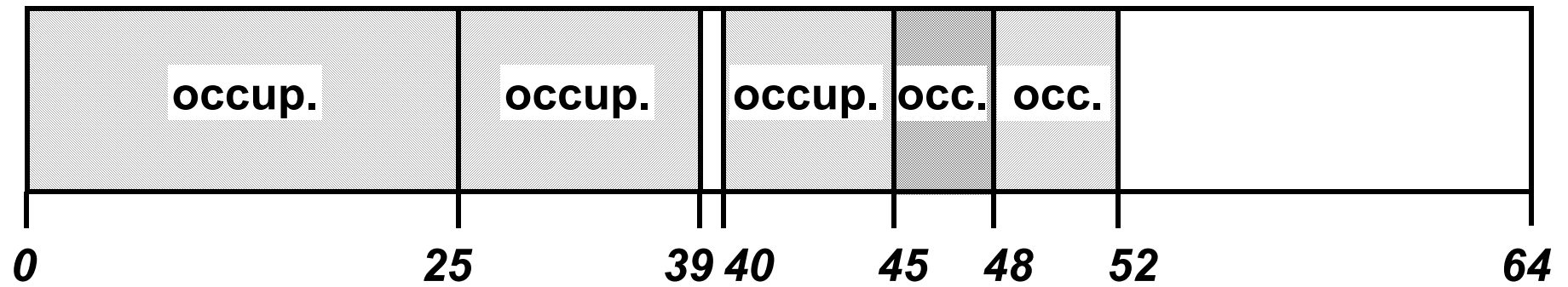


Free Memory List

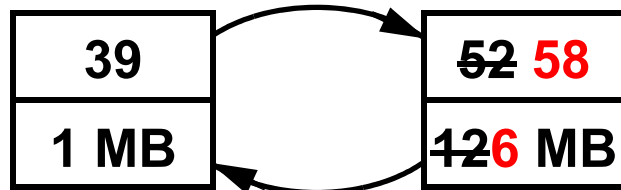
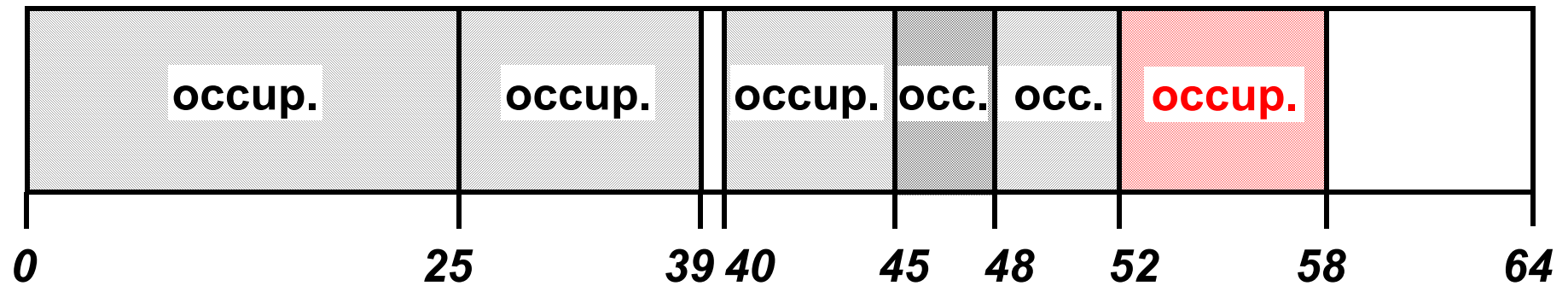
Allocation of 3 MB: Segment fits exactly



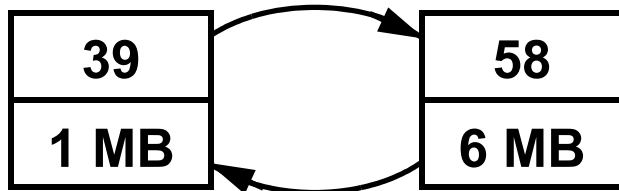
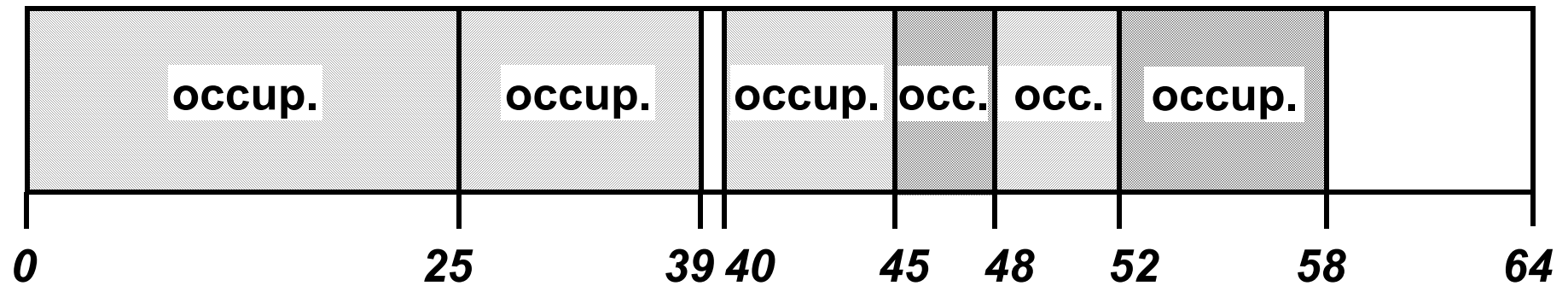
State after the allocation:



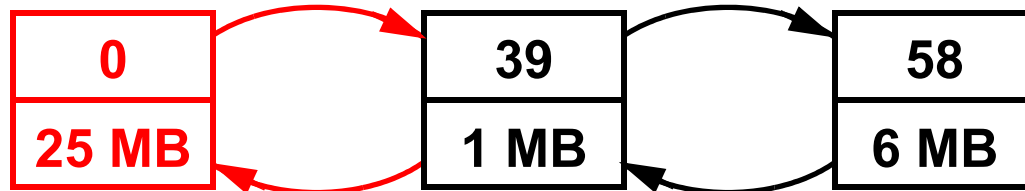
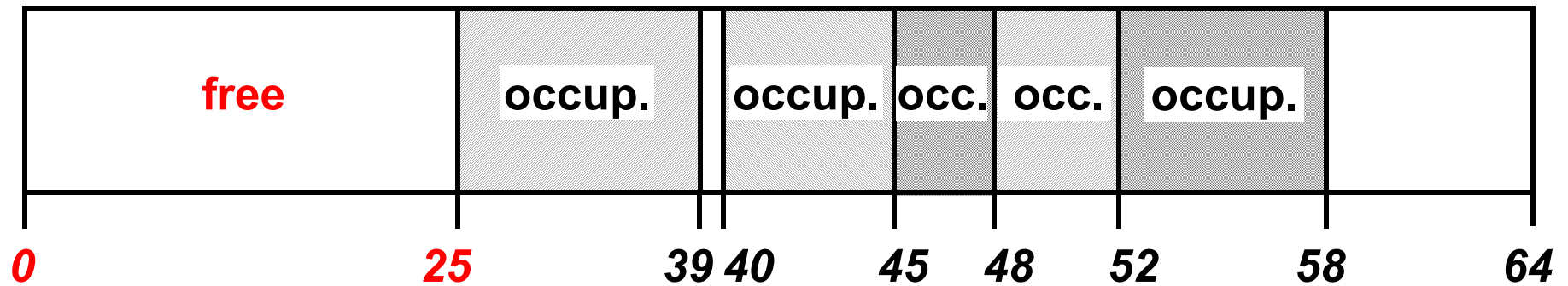
Allocation of 6 MB: An initial chunk of a free segment is allocated



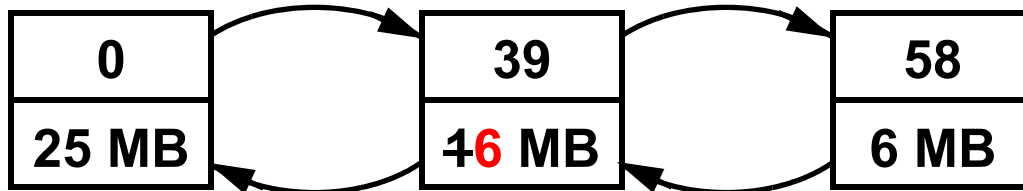
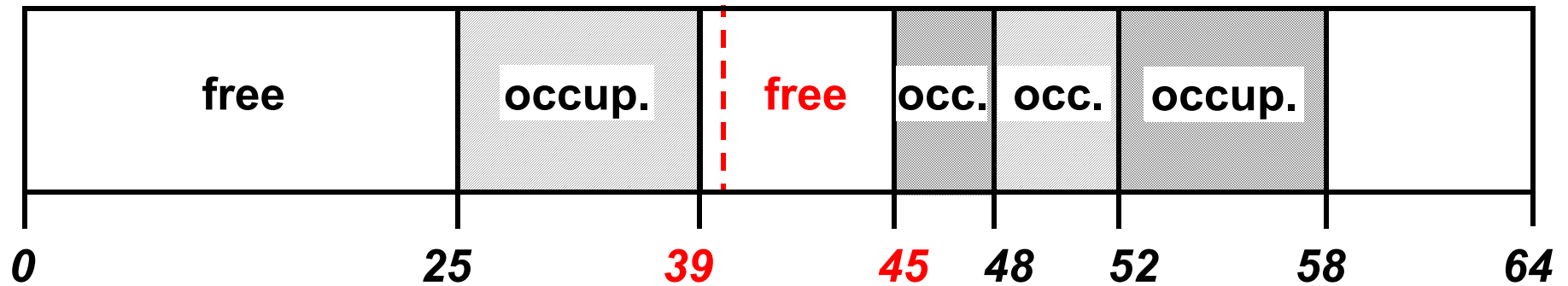
State after the allocation:



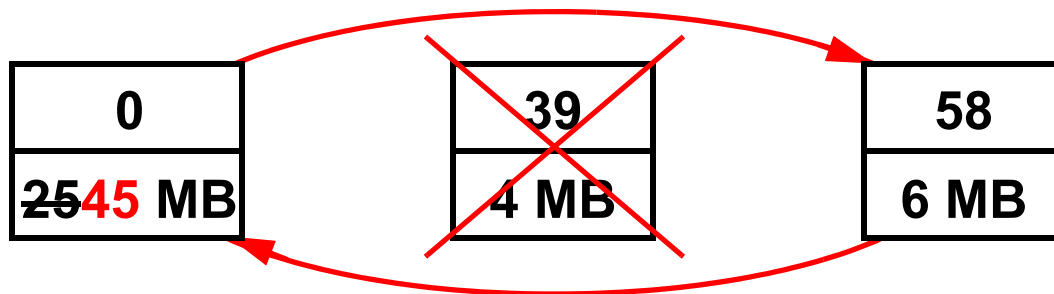
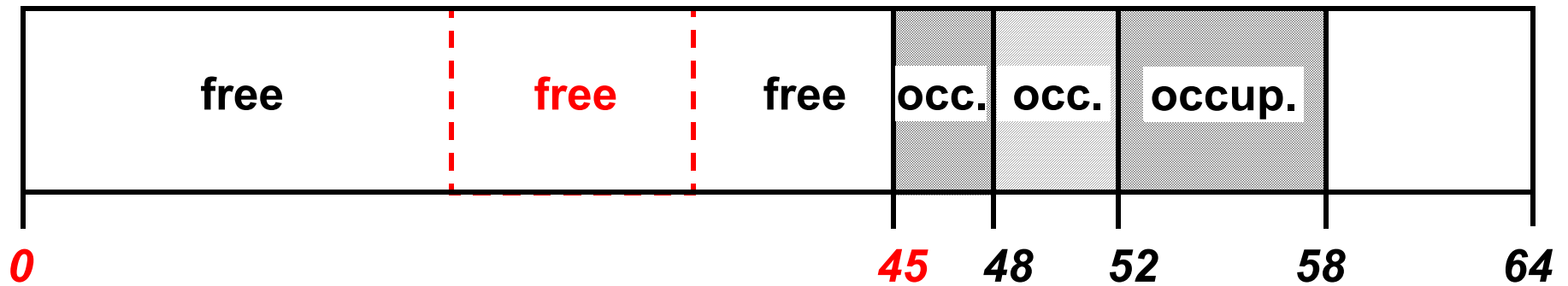
Release of a segment not bordering a free segment:



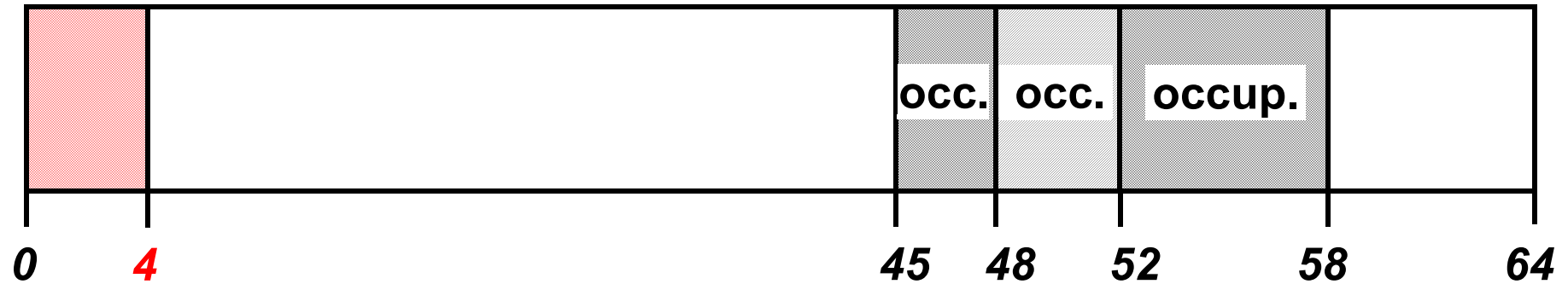
Release of a segment bordering a free segment on one side:



Release of a segment bordering free segments on both sides:



Allocation of 4 MB by the **First Fit** strategy:



Allocation of 4 MB by the **Best Fit** strategy:

