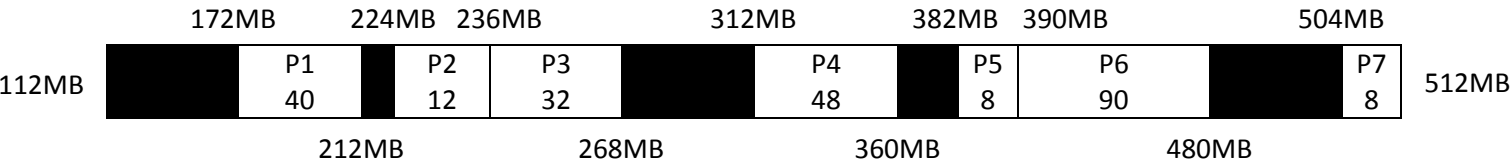
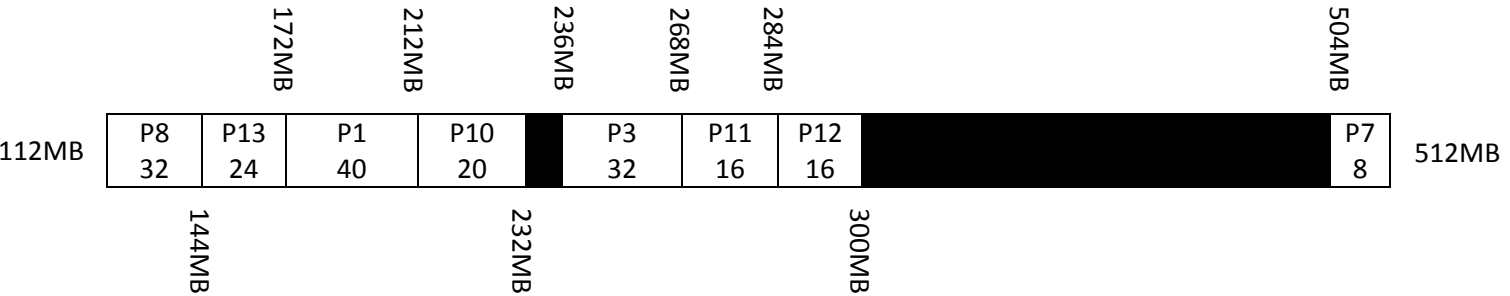


Lab 9

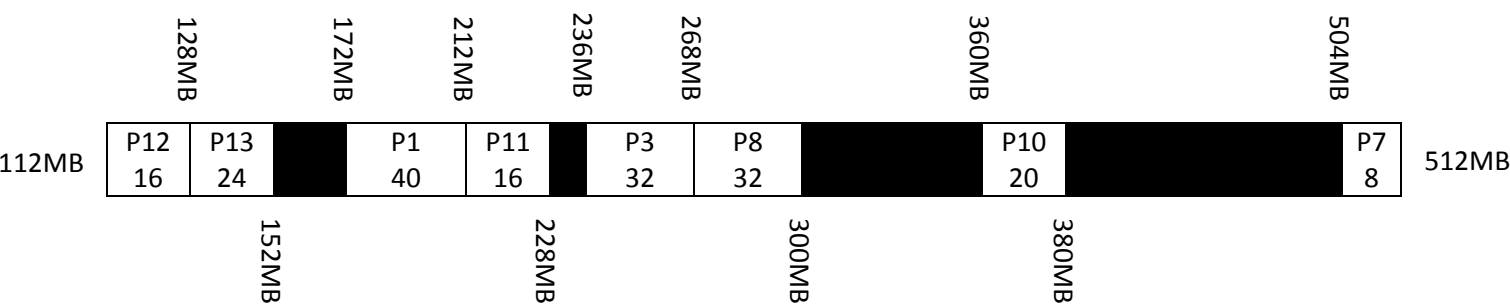
Default Memory Layout



First Fit



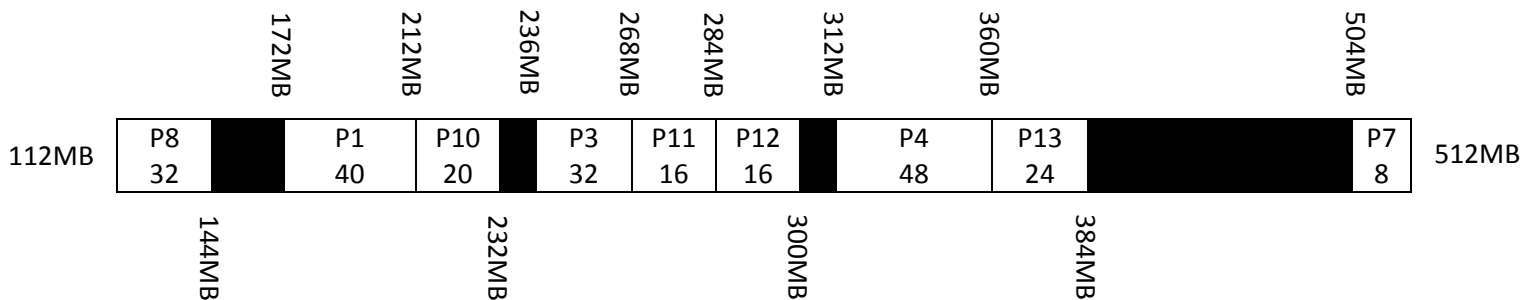
Best Fit



### Worst Fit



### Next Fit



### Analysis:

The first fit algorithm had the fewest number of fragments as well as the largest fragment of the group. Next fit had the largest number of small fragments, though not by a large margin. Worst fit, on the other hand, had the most medium to large fragments. Next fit and first fit tied for most processes in a row with no fragments between them.

Given the data, I would prefer either first fit or next fit. First fit is superior in that it has the fewest fragments, though knowledge of the algorithm says that this is not usually a strength of this algorithm. Next fit, however, has the advantage that it does not have to traverse from the beginning each time, so if processes are arriving and finishing with fairly consistent timing, it should be somewhat faster.