

Report and what not

Problem 3

Memory space is represented as a dictionary of contiguous space(s).

A partition is represented as a list of allocated space and memory space.

| Partition | First fit | Best fit | Worst fit |
|-----------|------------------|------------------|-------------------|
| 300 | (115), (185) | (0), (300) | (0), (300) |
| 600 | (500), (100) | (500), (100) | (358), (242) |
| 350 | (200), (150) | (0), (350) | (200), (150) |
| 200 | (0), (200) | (200), (0) | (0), (200) |
| 750 | (358, 375), (17) | (358, 375), (17) | (115, 500), (135) |
| 125 | (0), (125) | (115), (10) | (0), (125) |

Problem 4

| Algorithm | Advantages | Disadvantages |
|-----------|---------------------------|---|
| First fit | Fast | Moderately suffers from fragmentation |
| Best fit | Better memory utilization | Slower, creates more fragmentation |
| Worst fit | Less fragmentation | Large process might be not accomodated as the larger holes are filled |