# Assignment 8

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**8.3**

|  | 100 | 500 | 200 | 300 | 600 |  |
|---|---|---|---|---|---|---|
| first |  | 212+112 |  |  | 417 | 426 waits |
| best |  | 417 | 112 | 212 | 426 |  |
| worst |  | 417 |  |  | 212+112 | 426 waits |

Best-fit algorithm makes the most efficient use of memory.

**8.7**  . Segmentation requires more space for translations structure. Every segmentation is corresponding to two registers: base and limit, while every page is corresponding to only one register storing the corresponding frame.

**8.9**

a. 400 nanoseconds.

b. 200*0.75+400*0.25=250 nanoseconds

**8.12**

a. 649

b. 2310

c. No such address.

d. 1727

e. No such address.