

Name: _____

1. Complete the following table assuming the Optimal page-replacement algorithm and four page frames allocated to the process.

References String:	1	2	3	4	1	2	5	1	2	3	4	5
Page Frames Allocated = 4												

Number of page faults?

Page-fault rate?

2. Complete the following table assuming a LRU page-replacement algorithm and four page frames allocated to the process.

References String:	1	2	3	4	1	2	5	1	2	3	4	5
Page Frames Allocated = 4												

Number of page faults?

Page-fault rate?

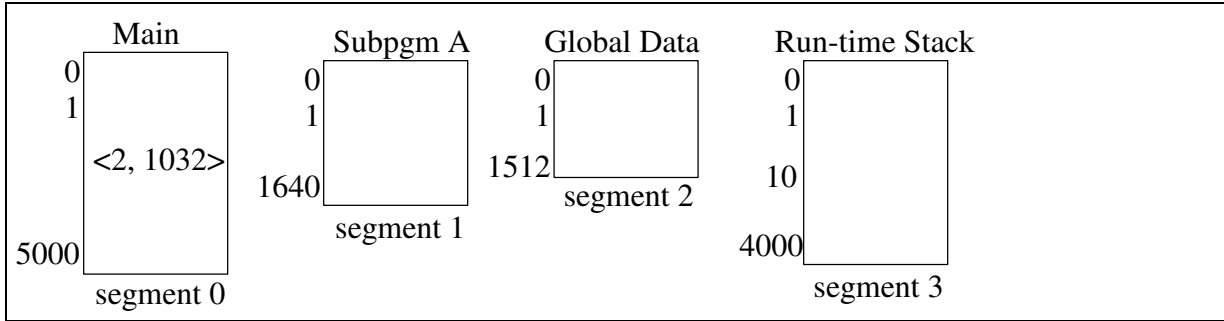
3. Answer the following questions about implementation of the LRU Algorithm:

a) What information would we need to keep track of to implement LRU?

b) When would this information need to be updated?

c) Where would you store this information?

4. What problems would you predict with moving whole segments into and out of memory?



5. Assuming a page size of 1024 bytes, complete the Page Tables for the pages in memory, and determine the physical address for the logical address <2, 1032>.

