CS 420

Assignment 5

Cameron Stark

2.a.) 128mb / 8 kb = 16 mb

2.b.) 10 \* 8 = 80 bits

2.c.)

3.a.i.) the table is 18 bits long at each level, with a min table size of 2048 kbytes

3.a.ii.) The page size is 1 kbytes

3.b.i.) the table is 14 bits long at each level, with a min table of size of 128 kbytes

3.b.ii.) the page size is 4 Mbytes

4.a.) External Fragmentation can occur when unusable memory is located out of allocated memory blocks

4.b.) Internal Fragmentation can occur in paging when every frame is not the exact size of the page size

5.) The page faults remain the same since there is only 7 pages, and when more frames are added the pages don’t change there current frames.