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Project5

* Executables
  + part1/Project5
  + part2/Project5
* Compiling on Linux

1. Copy project files with make file over to a Linux system like empress.
2. Select folder part1 or part2
3. Run command make
4. For part 1, run command ./project5 19986 where the argument is a virtual address. 19986 is the example.
5. For part 2, run command ./project5 and enter the number of frames you want to use. The number of pages in the page list is by default 20.

Part 1 was straight forward, just integer divide the address by the page size and you get the page number. The offset was then calculated form the address - page \* pageSize.

Part 2 showed Belady’s anomaly after running a few times with larger page sizes. With 20 page calls, there are enough calls where the optimal with 4 pages is max at 9 or 10 page faults. FIFO is very consistent and very simple with LRU having less page faults most of the time. Optimal is of course the best with page faults but it requires precalculating and a lot more processing compared to even LRU.