

# UNI CS 3430

## Operating Systems

### Suggested Exercises #8

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1. For the following reference stream, RAREFEARFARE, draw the page fault time line for FIFO, LFU, LRU, MIN page replacement algorithms, assuming three physical pages. Use the page with the smallest page number in the case of a tie. (4pts)
  
2. For the following disk request streams (in track numbers), show the order of disk service under FIFO, SSTF, SCAN, and C-SCAN disk scheduling policies: 10, 45, 52, 56, and 70. The starting position of the disk head is 50. (4pts)
  
3. Consider a disk with a single platter, 5 tracks, no zoning effects. On average, what is the seek distance (in tracks and in percentage of total tracks) between two disk accesses? (2pt)