COMP2240 – Week 4

1. Process State with Two Suspend States
   * Compare the priorities of the two processes – if the higher priority requires swapping but is only a single level higher in priority, suspend it. If the higher priority is significantly higher, then allow swapping.
   * You would allow a separate queue for each thread. (It is possible to allow a separate queue for each processor)
   * Some kernel threads will remain idle throughout the process
   * It is likely that threads will be required to switch and thus there will be idleness
   * Actually the most efficient,
   * No – if Chrome opened each website in a new thread, a crash in one tab would crash the whole browser. A multi process browser allows Chrome to keep the other tabs if one happens to crash.

Supplementary

* + Two; as the input and output are to single files, only one thread for reading and one for writing are necessary.