3.1 Background

3.2 Experiments

3.2.a
After changing the main() to run the appropriate functions, I notice that A is printed a lot of times followed by B a lot of times in an alternating pattern.

3.2.b
After changing the QUANTUM to be 5, I notice that processes are alternating faster.

3.2.c
After changing the priority of the “B” process to 15, only B’s are printed. This is because the processor is always going to pick the process with the highest priority.

3.2.d
After changing the priority of the “A” process to 25, only A’s are printed for similar reasons as above.

3.2.e
After changing the priority of the “A” process to 20, only A’s are printed. The difference between 3.2.d and 3.2.e is that 3.2.d has a higher priority.

3.2.f
It is important to make sure that a priority is not changed to be less than or equal to 0, otherwise the NULL process could potentially no longer be the last-resort process. This property of the NULL process must remain true for it to still be the NULL process.