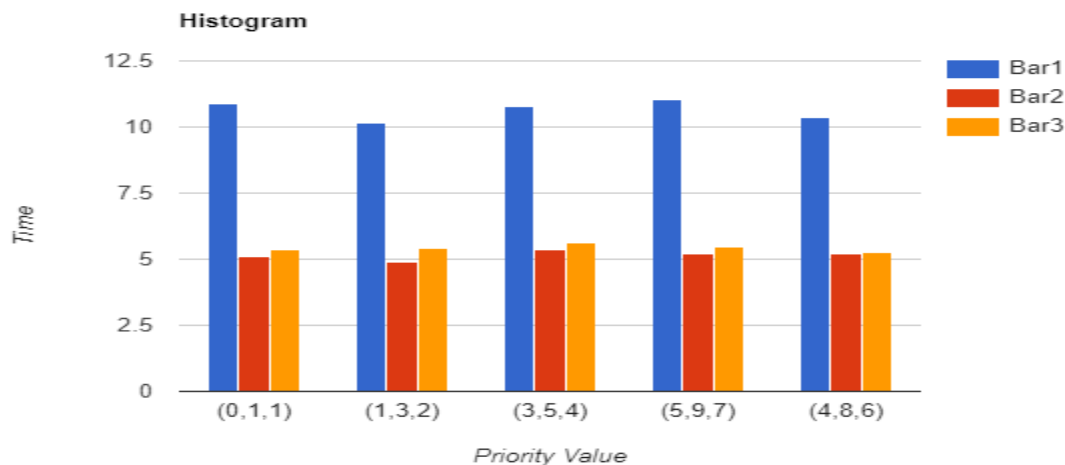


Question 1:

1.1) Three functions, namely countA, countB, countC were used, with each of them counting up until 2^{32} . Each of them were utilised by a thread, ThA, ThB, ThC respectively. ThA used SCHED_OTHER scheduling, ThB used SCHED_RR scheduling and ThC used SCHED_FIFO scheduling.

The time taken by these threads to complete the given task was recorded and plotted on a histogram with y-axis as time and the x-axis as priority values. The histogram is shown below:



The function used to compute these times is `clock_gettime()`.

1.2) This part uses the same concept as above but makes use of processes instead of threads. That is, instead of creating threads we use `fork()` and `execl()` functions.

