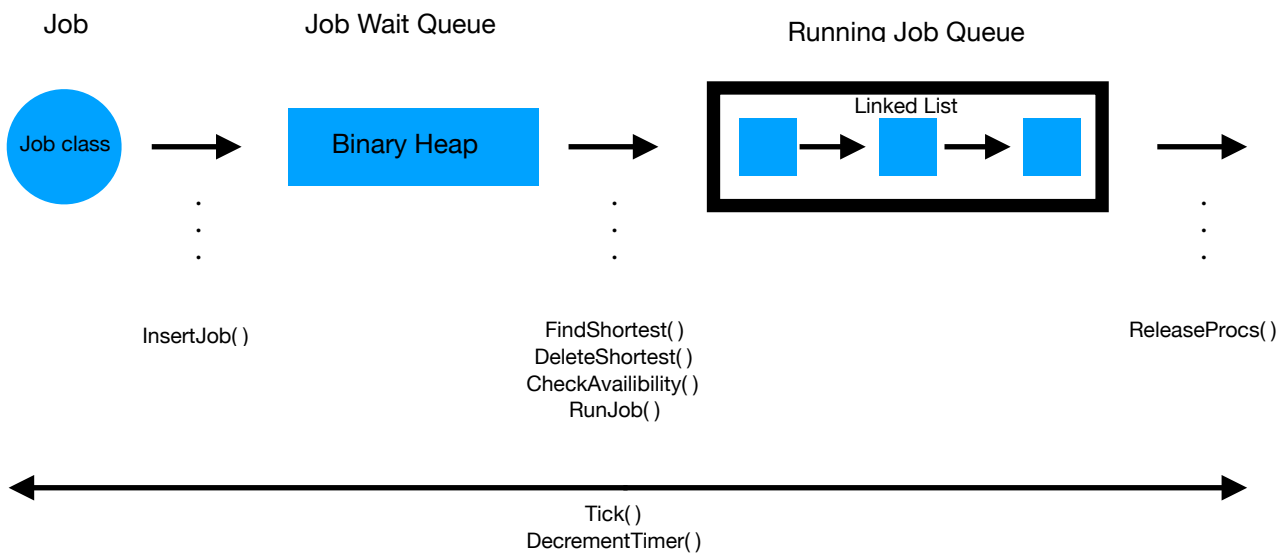


Scheduler Design



O	
InsertJob()	O(n)
FindShortest()	O(1)
DeleteShortest()	O(1)
CheckAvailability()	O(1)
RunJob()	O(n)
DecrementTimer()	O(n)
ReleaseProcs()	O(1)

The main shortcoming and bottleneck of this program derives from the fact that based on the implementation requirements of this assignment, only the jobs requiring the least number of processors are pulled from the wait queue. Given the ability to pull jobs from the queue based on the availability of the processors in addition to the number of ticks required for a job, one could process more jobs more efficiently without the hold-up of many small processors jobs requiring long execution times.