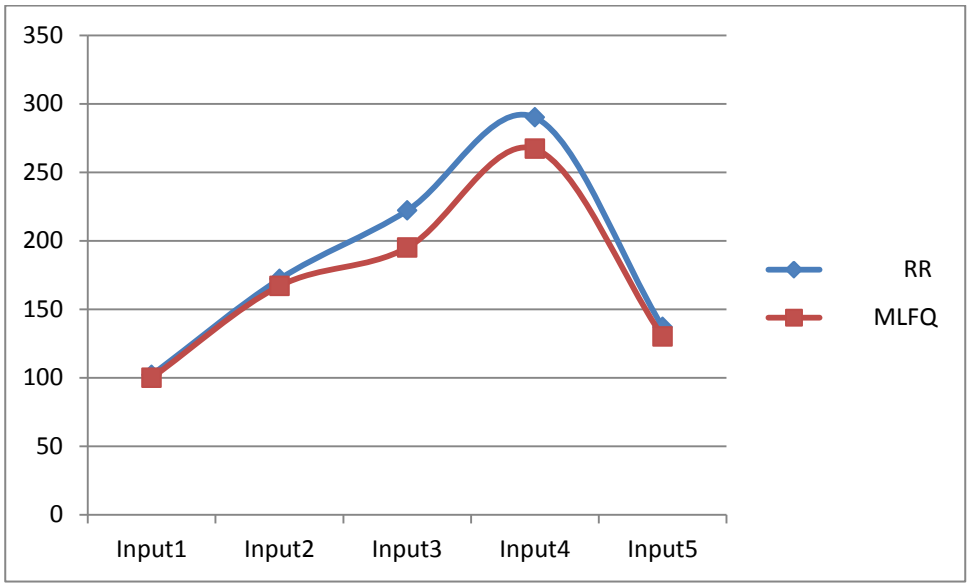
Analysis:

Below are the average turnaround times for the schedulers

	RR	MLFQ
Input1	102	100
Input2	172	167
Input3	222	195
Input4	290	267
Input5	137	130

Graph showing the average turnaround time for RR and MLFQ schedulers :



Conclusion:

The fundamental problem MLFQ tries to address is two-fold. First, it would like to optimize turnaround time, which may be obtained by running shorter jobs first; unfortunately, the OS doesn't generally know how long a job will run for, exactly the knowledge that algorithms like SJF (or STCF) require. Second, MLFQ would like to make a system feel responsive to interactive users (i.e., users sitting and staring at the screen, waiting for a process to finish), and thus minimize response time; Round Robin algorithm would reduce response time but are terrible for turnaround time. The above graph shows that the average turnaround time is always better in MLFQ than in RR.

Citations: http://pages.cs.wisc.edu/~remzi/OSTEP/cpu-sched-mlfq.pdf

http://stackoverflow.com/questions/17474058/understanding-multilevel-feedback-queue-scheduling

https://www.youtube.com/watch?v=nr28T7dp-50