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Representation of the findings

Task 01:

* task o'l is implemented using FCFS policy, using only single thread.

* For each job the cpu burst is generated randomly in range 0.2 to 0.9.

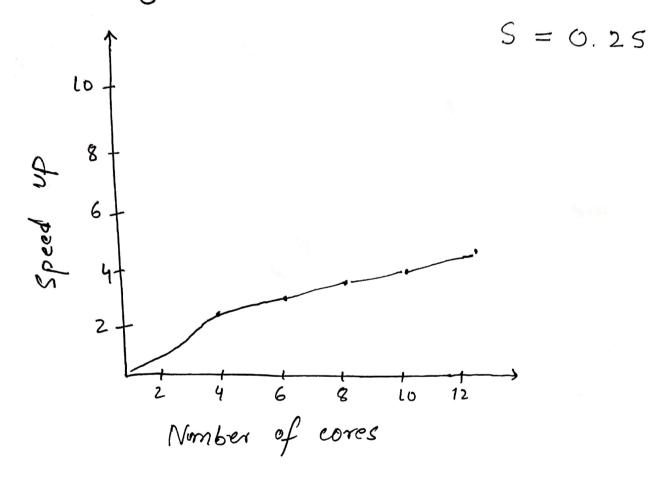
Size of memory Barrier	Avg wait time	Avg hmaround
10	5.9 ms	6.1ms
20	11.66 ms	12.06 ms
30	18.08 ms	18.49 ms
40	24.73 ms	25.27 ms
50	31.74 ms	32.29 ms
60	35.76 ms	36.27 ms

* with all above conditions the system throughput was 0.56 jets

Task 02:

- * Task 02 is implemented using Round Robin scheduling policy, with time quantum = 200 ms.
- * Let us observe the speed up/performance behaviour by increasing the number of threads.

Using Amdahl's Law, I've observed the following results.



Note: The performance of Round Robbin scheduling algorithm also depends on the time quantum.