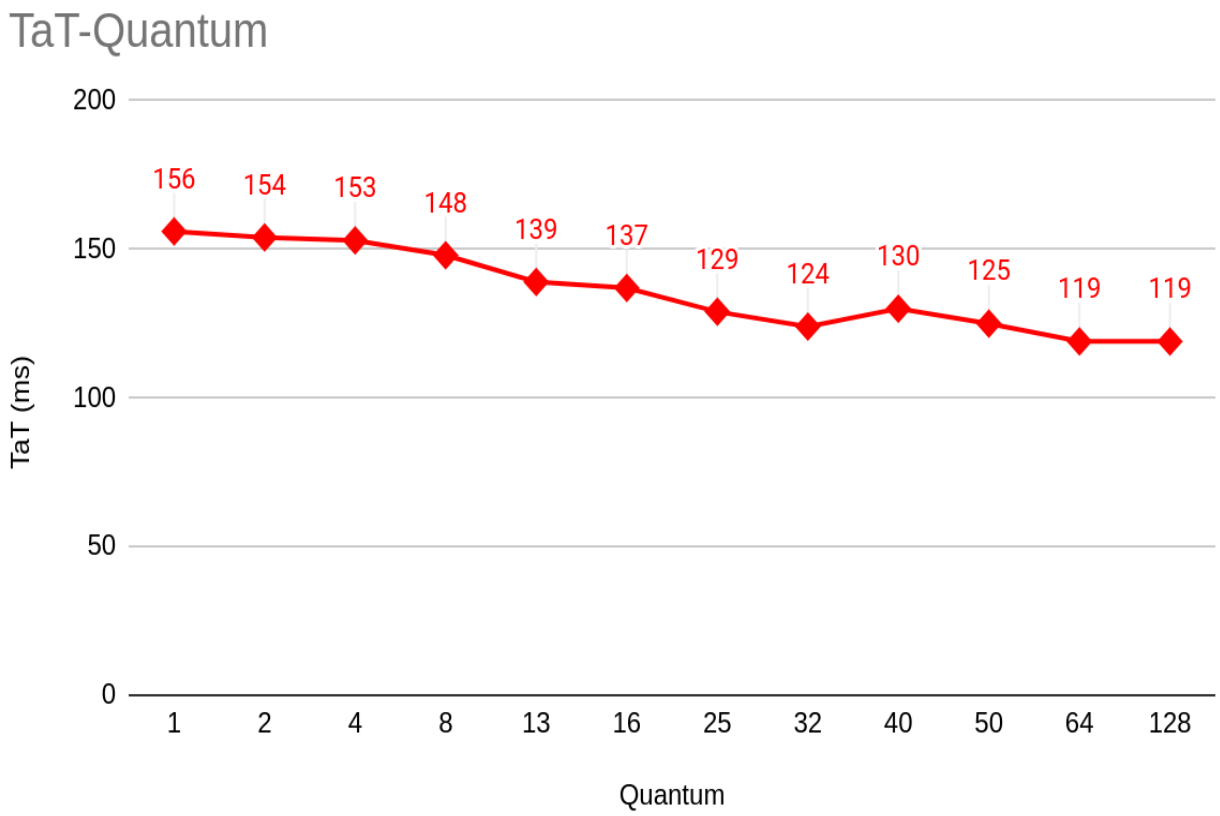
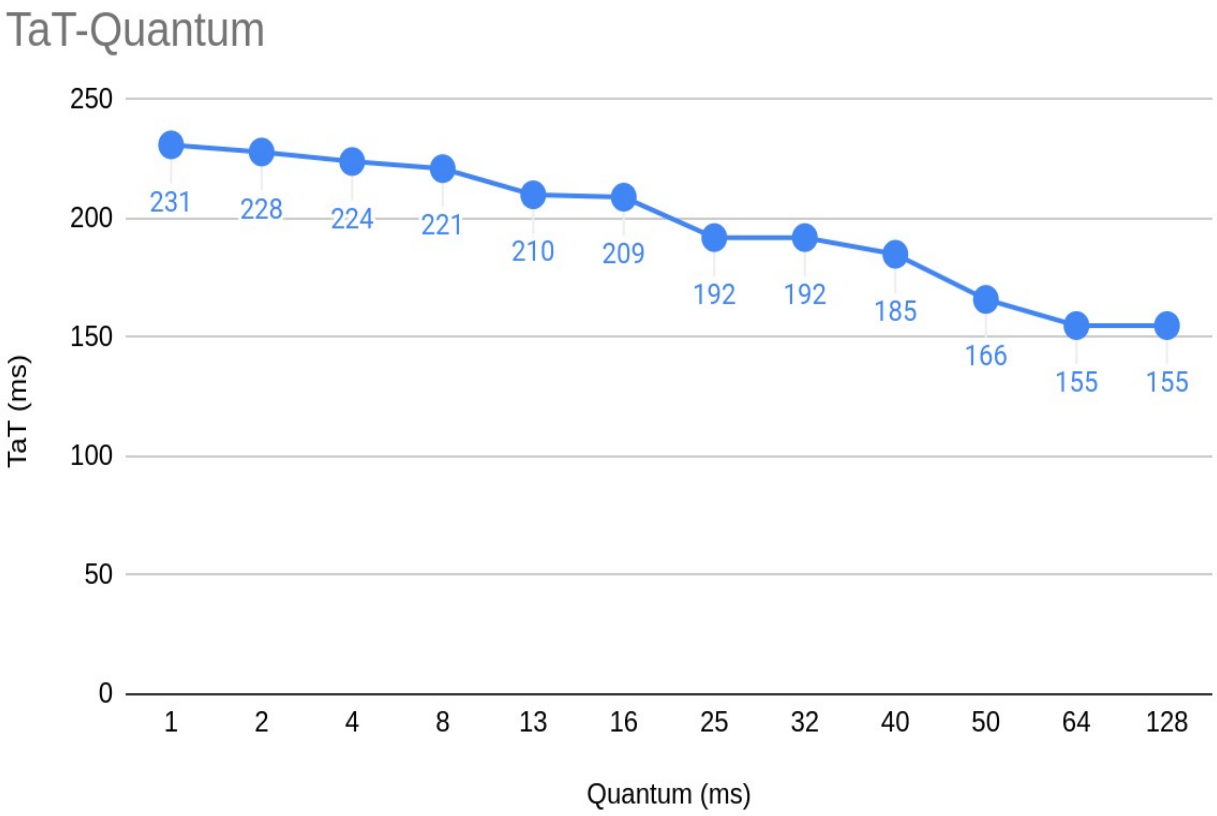
İsmet Alp Eren / 21703786



Average burst length of the process is ~40 ms. The average turnaround time decreases generally until the quantum is too large. Selecting quantum number higher is better for average turnaround time but average waiting time increases. Between quantum 64 and 128 there is no difference in terms of average TAT and there will not be for larger quantum numbers. The reason of this issue is, after quantum number reaches a breaking point, the processor will execute and finish them without interruption.

When the average burst length is increased, the average TAT values will be higher for same quantum values.



This graph is process with average burst length ~40 again but with closer arrival time values. The average TAT times are increased since, at and of the each work, more process are added to the queue.