

Prepare a table showing the CPU core numbers, the mean and max time of inferencing operations (shown below) and write a comment on the result. (for example: how the inferencing operation time is varying with the CPU core, you can show your result using a graph as well.)

CPU Core	Mean time	Max time
1	27.432865328	48.4879016876
2	23.1582734201	37.8091335297
3	20.5010074276	33.0429077148
4	20.751830947	30.3201675415

Comment: As more cores are provided to the program to use, the average mean time and max time decrease with each new core introduced. This effectively means that the program has more CPU processing and threads available to run the code faster and more efficiently. The biggest difference in mean time came from the jump between 1 CPU core and 2. After 2 CPU cores, the margin of difference between average mean time was small, however the max time between each run reduced significantly with each new core introduced.