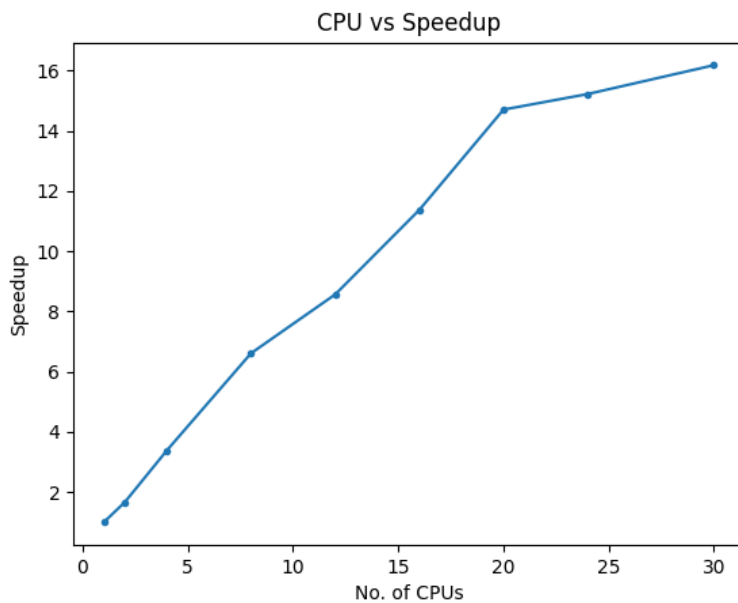
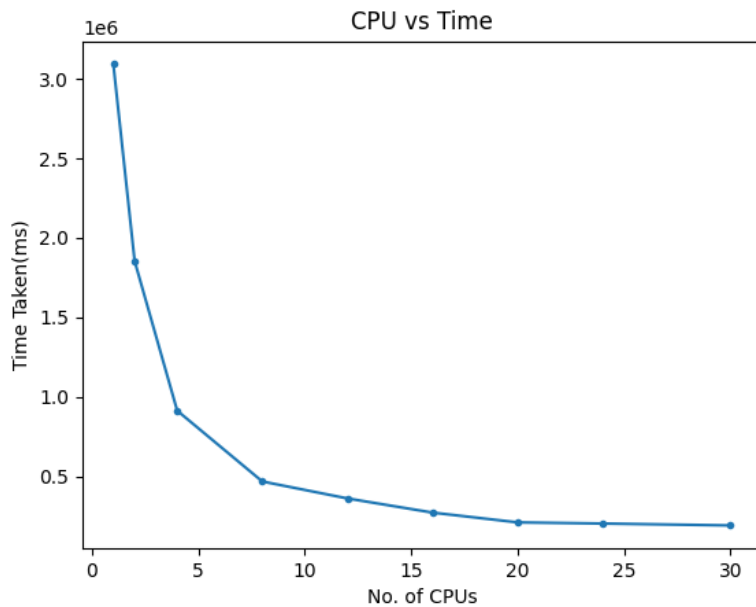


# ASSIGNMENT 1, COL380

## SCALED ANALYSIS DATA



The above 2 graphs show the analysis on data of set  $2^{32}-1$ ,  $p=40$  upto 30 CPUs. We can see a good scalability to multiple cores, with almost 16x speedup

for 24 cores and more. This shows that significant portions of the code are parallelised, allowing it to scale efficiently. We can see an almost linear CPU vs Speedup chart for the first few cores, showing a fairly strong scalability.