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Much of parallel computer architecture is about Designing machines that overcome the sequential and parallel bottlenecks to achieve higher performance and efficiency Making programmer ' s job easier in writing correct and high-performanc parallel programs 37

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conventional computer, a parallel processing system is able to carry out concurrent data processing to attain faster execution time. The idea of parallel processing is to speed up the computer processing capability also increase its throughput, i.e., the amount of processing that can be done during an interval of time.

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