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1.5 Interconnection

Networks 11. 1.6

Chapter Summary 15.

Problems 16. References

17. 2. Multiprocessors

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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

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programmer 's job  
easier in writing correct  
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computing, optimal  
resource allocation, fast  
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... Computer architecture deals with the physical configuration, logical structure, formats, protocols, and operational sequences for processing data, controlling the configuration, and controlling the operations over a computer. ...

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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

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done during an interval  
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