Data	Structures	and Algorithms	ď
	CMPS	SC 465	

LECTURE 5, 9/2

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Some of these slides are based on slides of S. Raskhodnikova, A. Smith, K. Wayne, E. Demaine and C. Leiserson

Merge Sort

The divide-and-conquer design paradigm

- 1. *Divide* the problem into subproblems that are smaller instances of the subproblem.
- **2.** *Conquer* the subproblems by solving them recursively.
- **3.** *Combine* subproblem solutions to give a solution to the original problem.

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