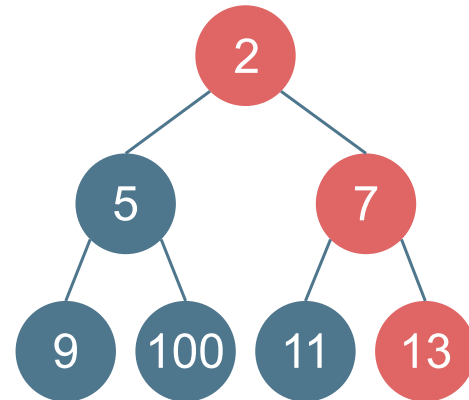


Greedy Algorithms

Greedy Algorithms

- A greedy algorithm solves an optimization problem by making the best decision at each step. This is known as the *locally optimal* decision.
- Greedy algorithms are simple and efficient but are **NOT** always correct.
- In order for a greedy algorithm to work, a problem must satisfy:
 - The optimal substructure property
 - The greedy property

Greedy Solution



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