

# Introduction: Coming Up

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**Algorithmic Design and Techniques**  
**Algorithms and Data Structures**

# Coming Up

Cover two algorithm problems:

- Fibonacci Numbers
- Greatest Common Divisors

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Examples of why algorithms are important.

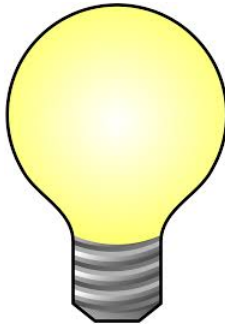
# Straightforward Algorithm



# Take Too Long



# Slightly More Complicated Algorithm



# That is Very Fast

