# Memoization

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# Dynamic Programming

Dynamic programming is used in order to avoid wasteful computations. Parameters that have already been computed will not computed again.

The previous computations are stored using an array or map, and used again in the future if necessary.

It can have a significant impact on time complexity.
Example: Fibonacci

# Problems

- https://cses.fi/problemset/task/1633
- https://cses.fi/problemset/task/1634
- https://cses.fi/problemset/task/1097
- https://cses.fi/problemset/task/1637
- https://cses.fi/problemset/task/1639

# Resources

- https://codeforces.com/blog/entry/92031

For more problems:

- https://cses.fi/problemset/ (DP section)
- https://leetcode.com/problemset/all/?topicSlugs=dynamic-programming

# Thanks for Watching!