* Matrix Chain Multiplication: <https://youtu.be/_WncuhSJZyA>
* String Matching Algorithm:

1. Naïve:
2. Rabin Karp Algorithm: <https://youtu.be/qQ8vS2btsxI>

* Number Theory:
* Extra:

a) Multiplicative inverse: <https://youtu.be/YwaQ4m1eHQo>

b) Modular arithmetic:

* Part 1 - <https://youtu.be/M42uDLGRSpI>
* Part 2 - <https://youtu.be/P7P03gg3msE>

1. Chinese Remainder Theorem:

* Part 1 - <https://youtu.be/e8DtzQkjOMQ>
* Part 2 - <https://youtu.be/zd1_iY0FSEo>

1. Euler Phi / Totient Function: <https://youtu.be/DwQ7-k9LkJ4>

* Hashing:
* Hash Table:
* Hash function:
* Open addressing/close
* Single and multiprobe hashing
* Double hashing
* Perfect hashing: