

CPSC 335 — Lecture #3

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September 14, 2020

Timestamps

09/14/2020 - 07:07:56 PM

Read Ch. 3. It's about 30 pages. Could be important.

09/14/2020 - 07:44:53 PM

Went to bathroom and lost information.

09/14/2020 - 07:44:53 PM

Got back and Star said that he finished the problem.

09/14/2020 - 09:08:49 PM

Read 3.4 & 3.5. I mean theoretically read all sections cause **THE STUFF COULD BE ON THE TEST!!!**

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*Dedicated to @QuesoGrande a.k.a. Jared D.

1 After The Icosian Game

Directed Graph: Graph with directed edge

$$2^{20} = 1,000,000$$

$$20! = 45,000,000$$

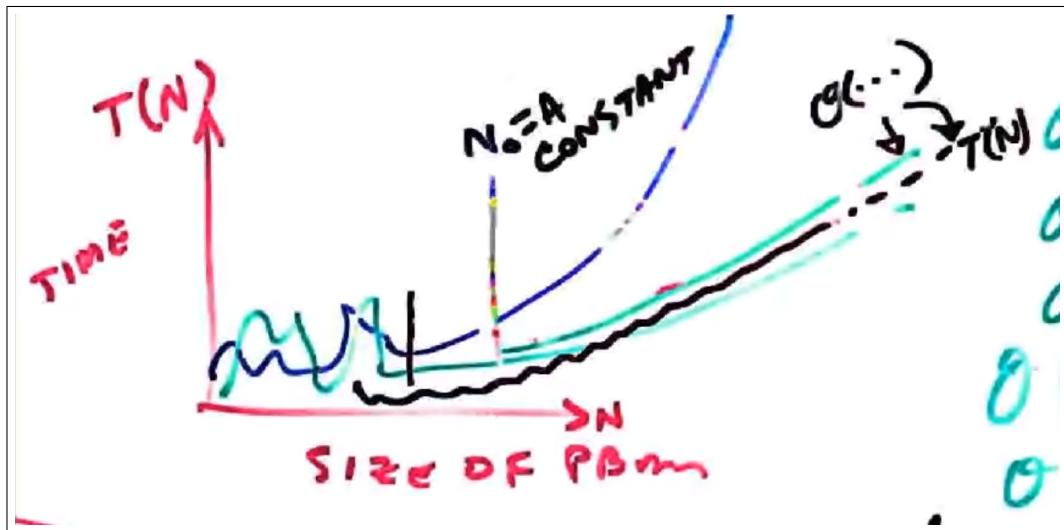


Figure 1: Big(O) Notation

2 Chapter 3

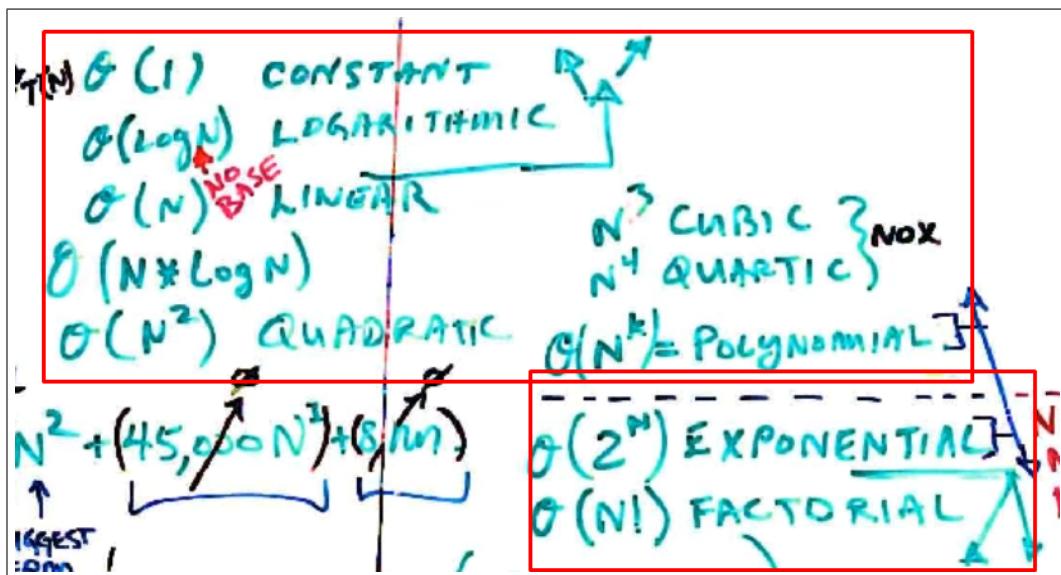


Figure 2: Big(O) Examples — *Important*

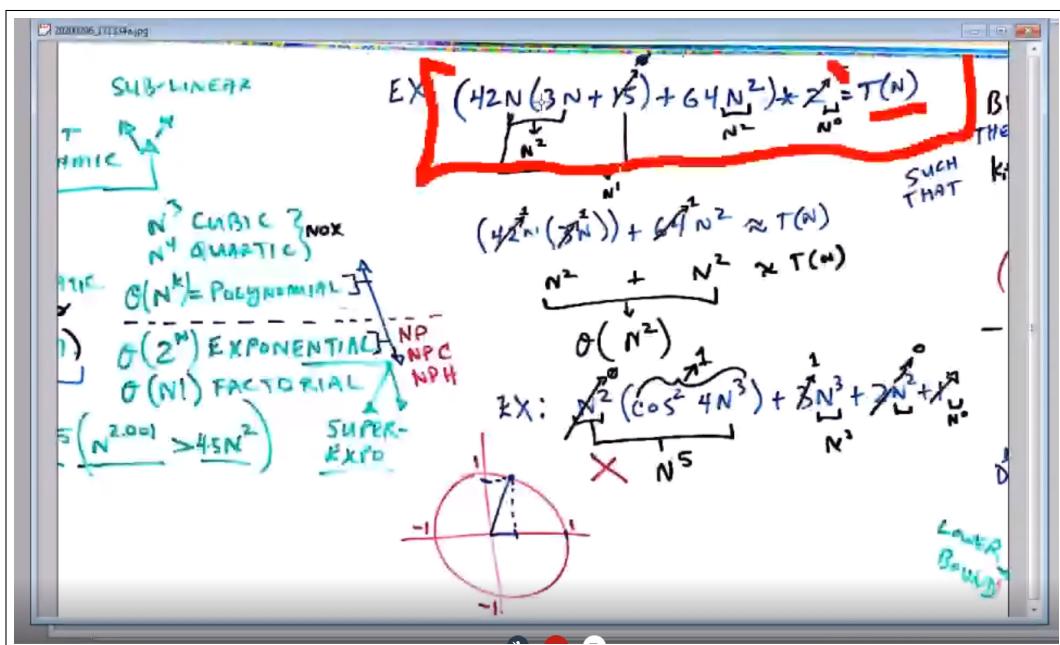


Figure 3: Big(O) Running Times

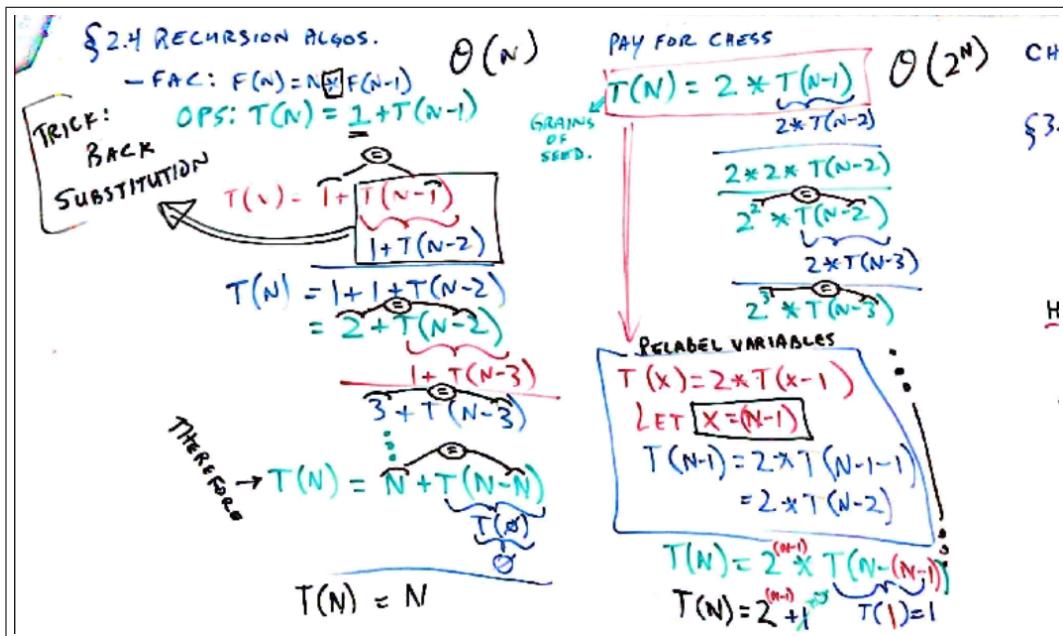


Figure 4: Recursion Algorithm

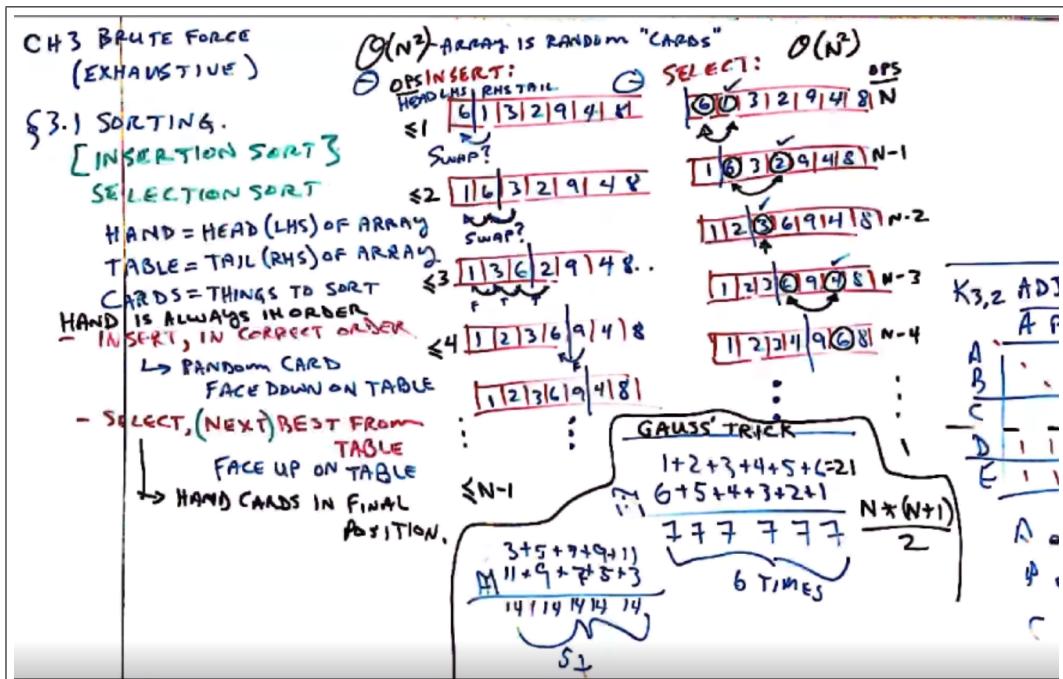


Figure 5: Brute force Algorithm

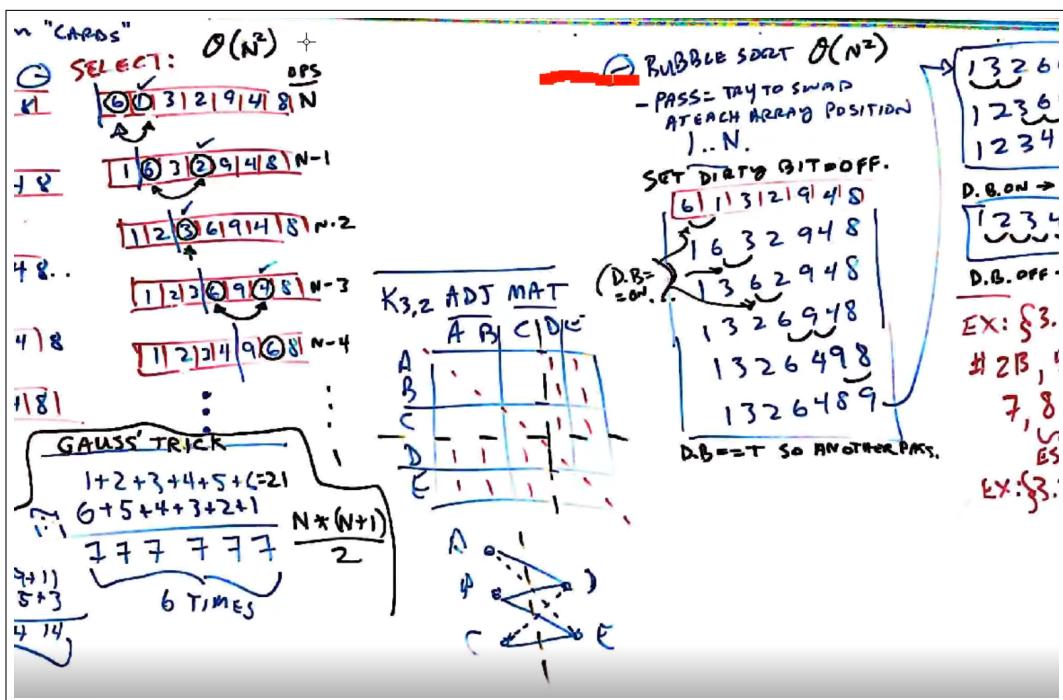


Figure 6: Gauss's Trick & Bubble Sort

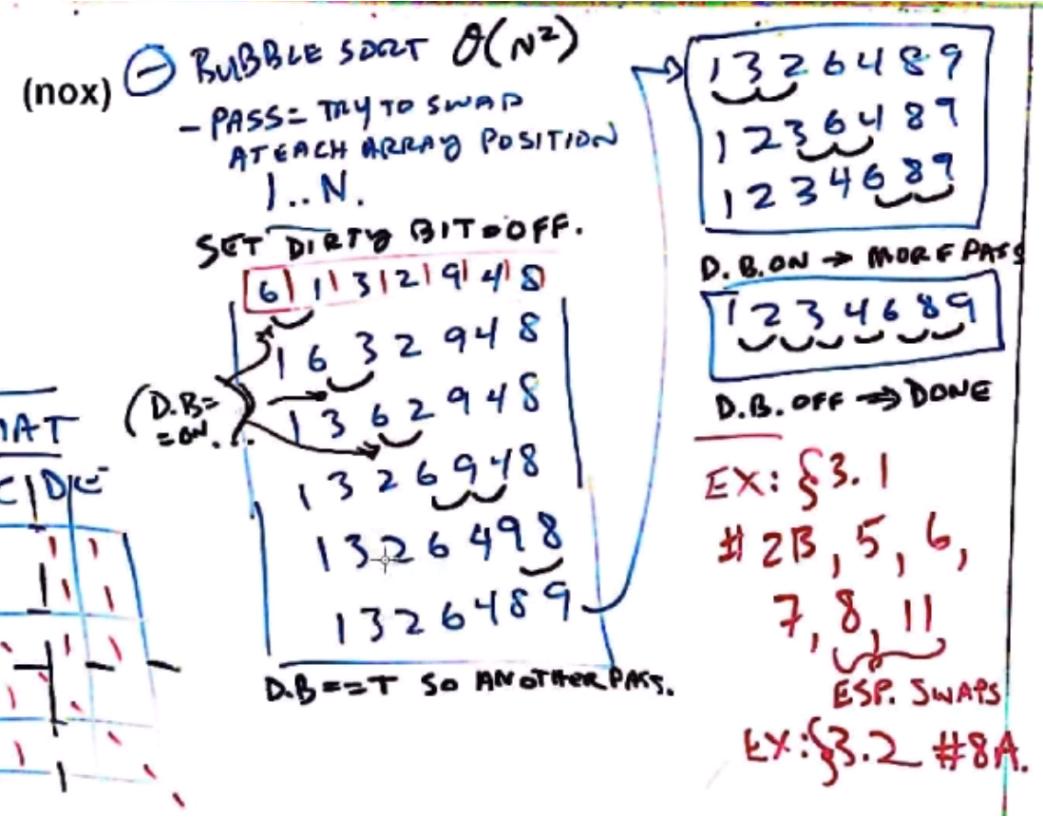


Figure 7: More Bubble Sort

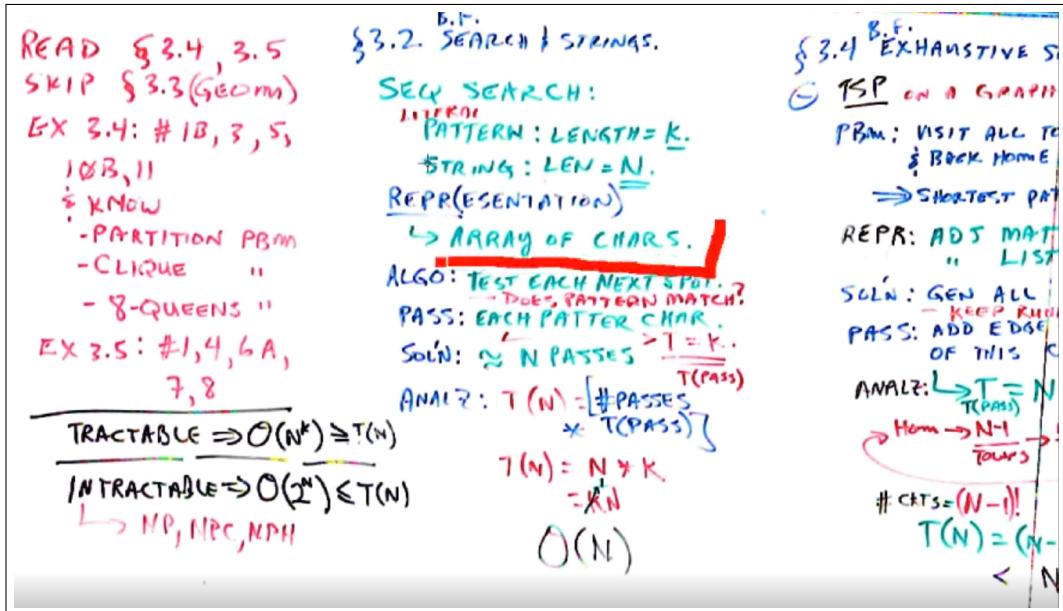


Figure 8: Search & Strings

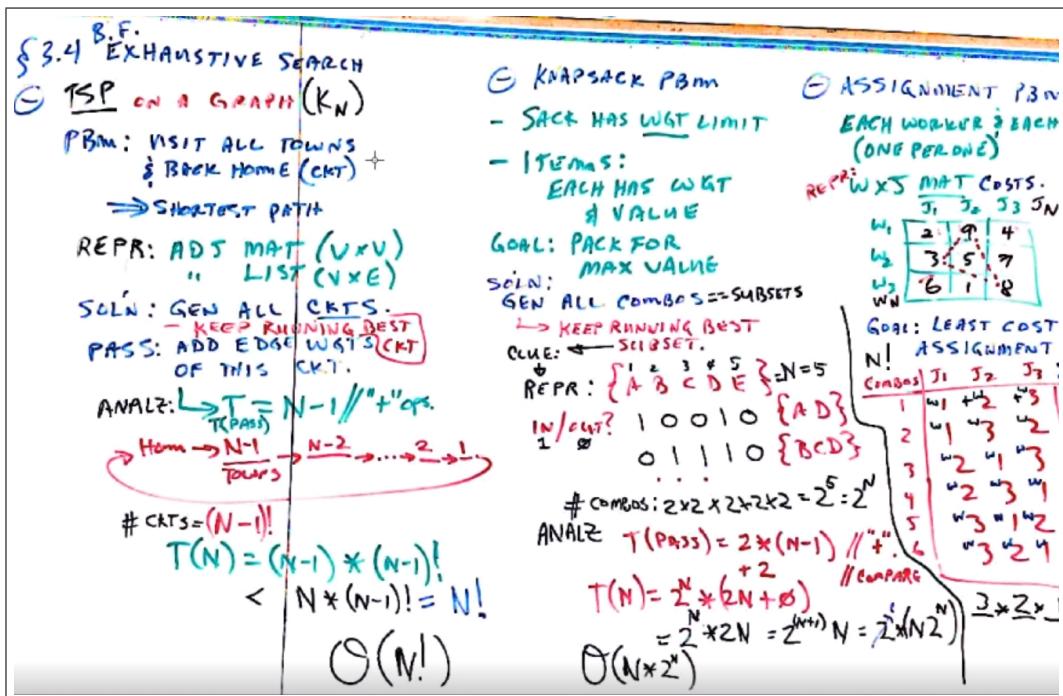


Figure 9: Exhaustive Search, TSP: Traveling Salesman Problem