



Intro to Problem Solving

Session#5



Session's Agenda

1. What is an Online Judge?
2. How to use Codeforces
3. What is vjudge and how to use?
4. Some Problem solving together ;)
5. Time Complexity and Big O
6. More into C++ Library functions

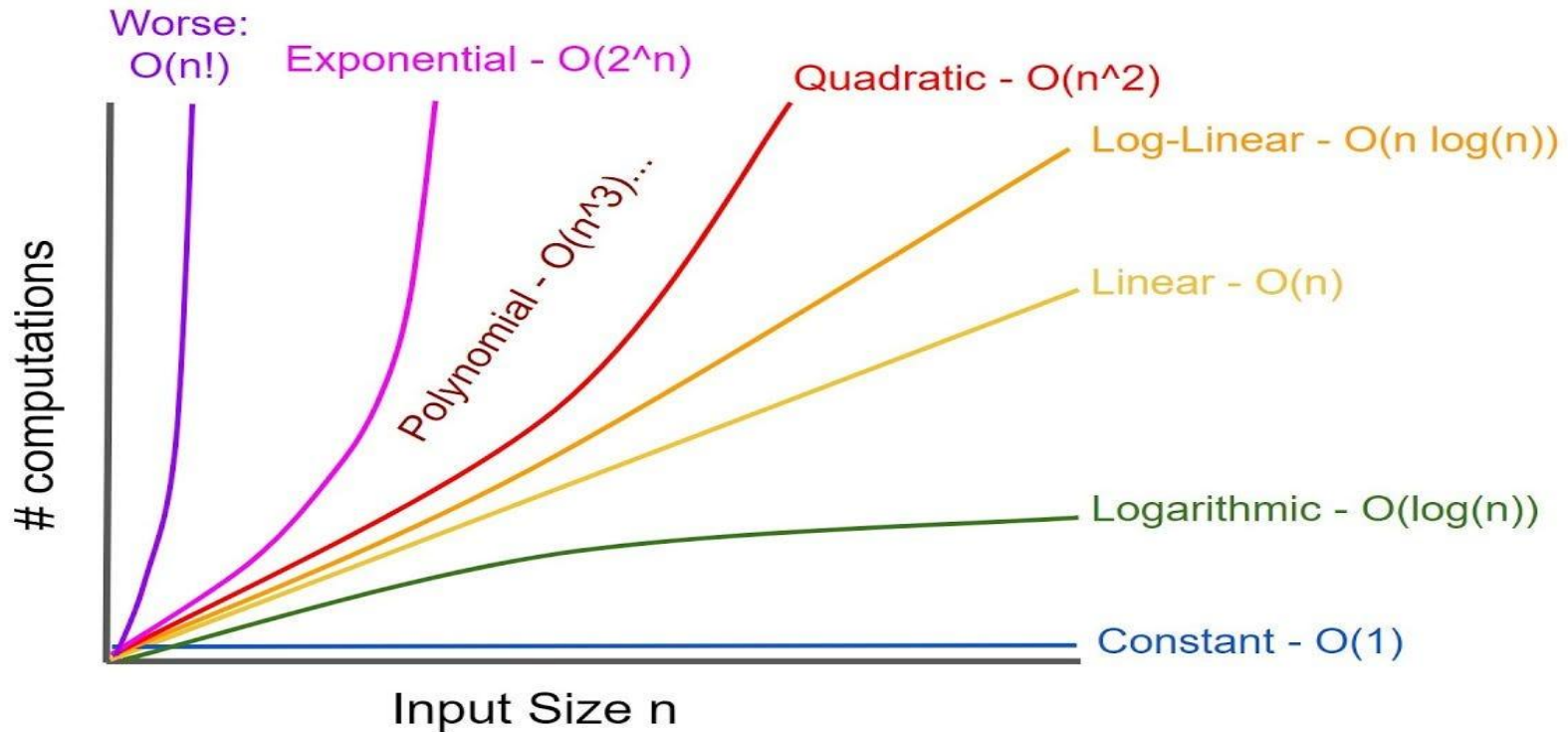


Time Complexity and Big O

1. Constant Time Complexity
2. Linear Time Complexity
3. Quadratic Time Complexity
4. Cubic Time Complexity
5. Logarithmic Time Complexity
6. Factorial Time Complexity
7. Exponential Time Complexity



Time Complexity and Big O





More into C++ Library functions

Basic Functions:

1. Sqrt
2. Pow
3. Min
4. Max
5. Swap
6. Floor
7. Ceil
8. Round
9. Toupper
10. Tolower
11. C++ Limits

Arrays functions:

1. binary_search
2. lower_bound
3. upper_bound
4. count
5. accumulate
6. Find