

## Module 2

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April 22, 2024

# Contents

<b>1</b>	<b>BRUTE FORCE APPROACHES</b>	<b>1</b>
1.1	Exhaustive Search (Travelling Salesman problem and Knapsack Problem) . . . . .	1
<b>2</b>	<b>DECREASE – AND – CONQUER</b>	<b>1</b>
2.1	Insertion Sort . . . . .	1
2.2	Topological Sorting . . . . .	1
<b>3</b>	<b>DIVIDE AND CONQUER</b>	<b>1</b>
3.1	Merge Sort . . . . .	1
3.2	Quick Sort . . . . .	1
3.3	Binary Tree Traversals . . . . .	1
3.4	Multiplication of Large Integers and Strassen’s Matrix Multiplication . . . . .	1

# **1 BRUTE FORCE APPROACHES**

## **1.1 Exhaustive Search (Travelling Salesman problem and Knapsack Problem)**

# **2 DECREASE – AND – CONQUER**

## **2.1 Insertion Sort**

## **2.2 Topological Sorting**

# **3 DIVIDE AND CONQUER**

## **3.1 Merge Sort**

## **3.2 Quick Sort**

## **3.3 Binary Tree Traversals**

## **3.4 Multiplication of Large Integers and Strassen's Matrix Multiplication**