

# DIVIDE AND CONQUER

We can divide the problem into the sub-problems and then solve the sub-problems, At last merge the sub-problems and get into the Final Answer.

And the sub-problems should be the same as the main problem.

There should be some method to combine the sub-problem answer to reach a final answer.

Algorithms are **recursive**.

The Algorithm Based on this approach: -

1. Binary Search
2. Finding Maximum and Minimum
3. Merge Sort
4. Quick Sort
5. Strassen's Matrix Multiplication

