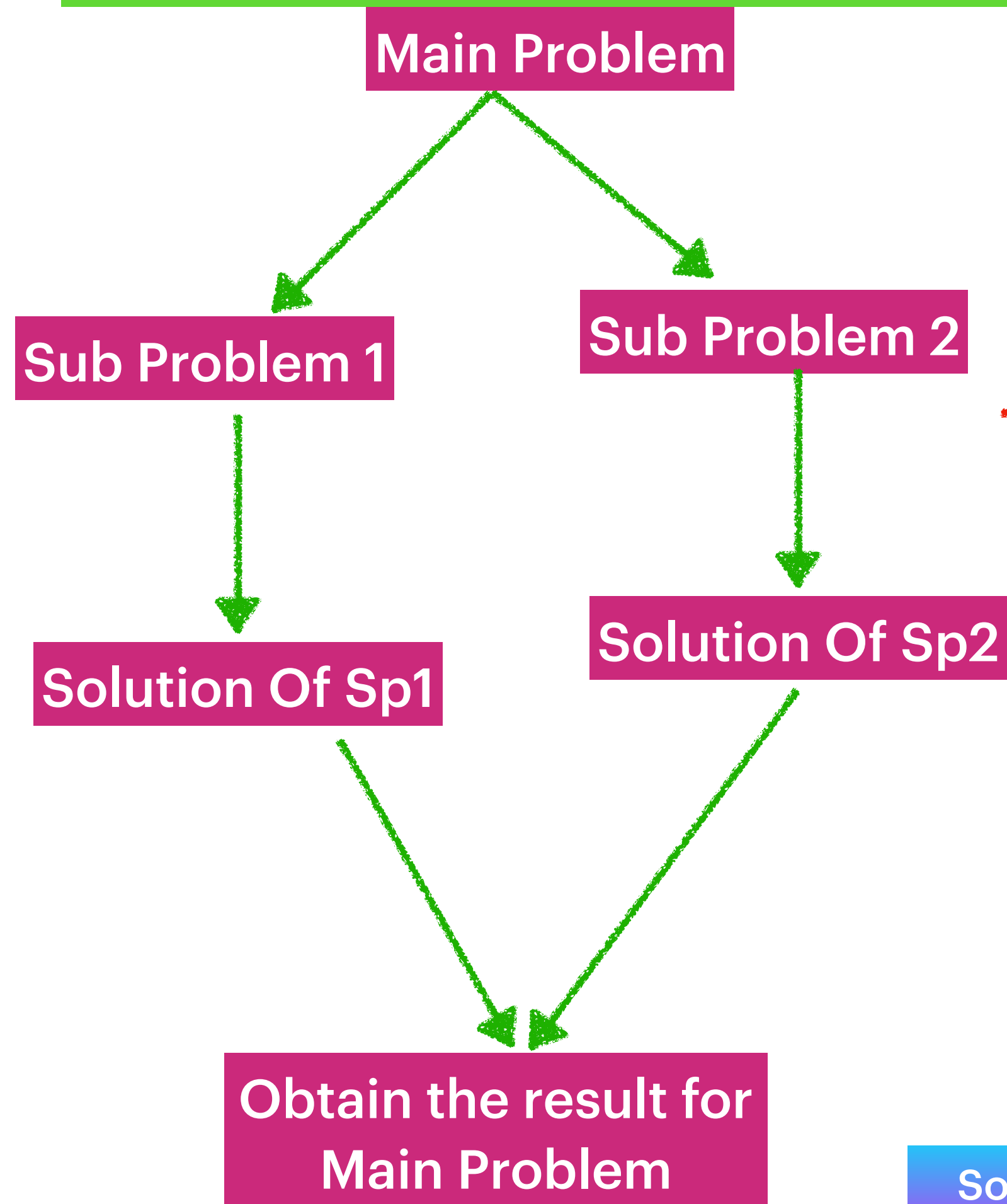


Divide And Conquer :

Divide the main problem into possible subproblems, solve the each sub problem recursively so that we can obtain the solution to main problem.



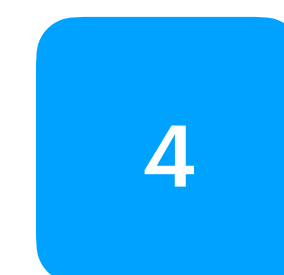
Main Problem

Sort the elements

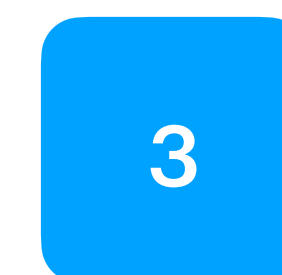


Base check, Array is sorted
If the length is One.
So that we can divide the array
till the length is '1'.

Divide



SubProblem1

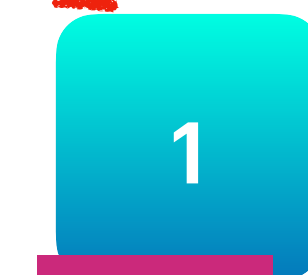


SubProblem2

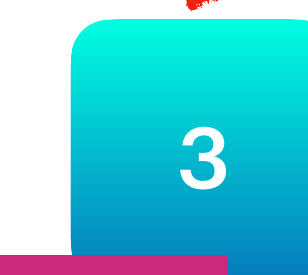


SP1'1

Sort
& Merge



SP1'2



SP2'1

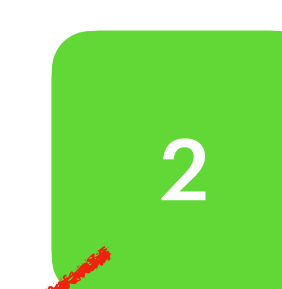
Sort
& Merge



SP2'2



Solution to SubProblem1



Solution to SubProblem2

Conquer

Sort
& Merge



Sort
& Merge

Solution to Main Problem