

Problem Statement : Given a set of positive numbers, determine if a subset exists whose sum is equals to a given number 'S'.

Ex : {1,3,5} , S = 8

Expected Output : True
Because we have subset {3,5}

Ex: {1,3,6} , S =8
Expected Output : False
Because we don't find any subset.



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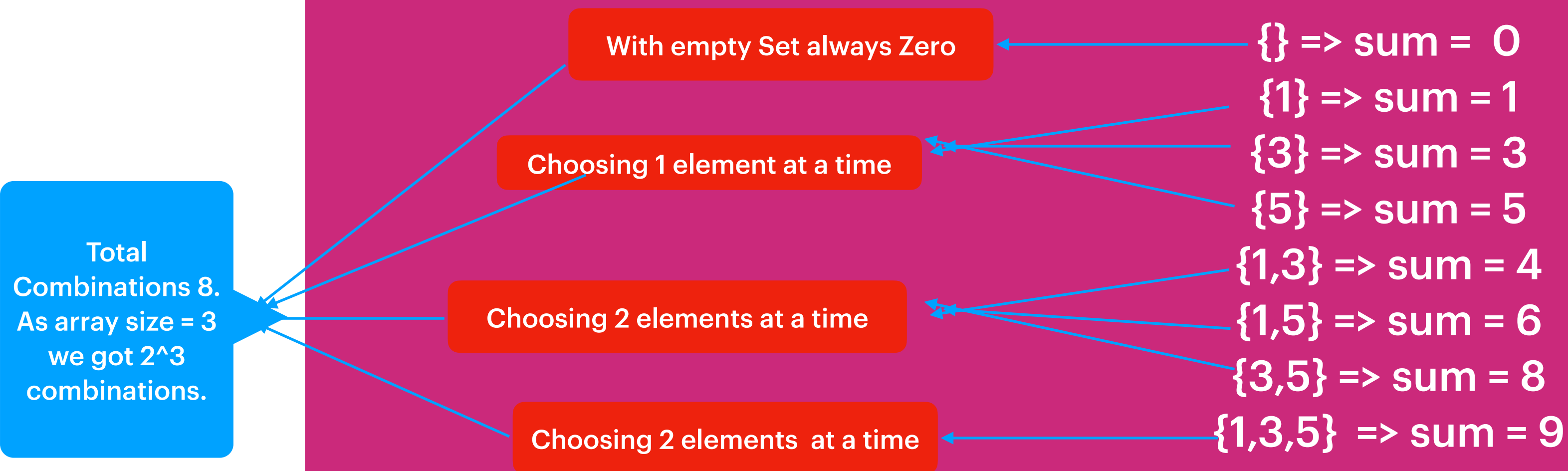
Ex : {1,3,5} , S = 8

Expected Output :

Ex: True. Its possible with {3,5}

Ex: {1,3,5}, S = 8

Let me take up the all the possible combination subsets for the given input {1,3,5}



As the targetSum is 8, we ca with subset {3,5}

How to solve ? To get into the solution, we should see all the possible combinations (i.e) subproblems.

Solution1 \Rightarrow Recursion

