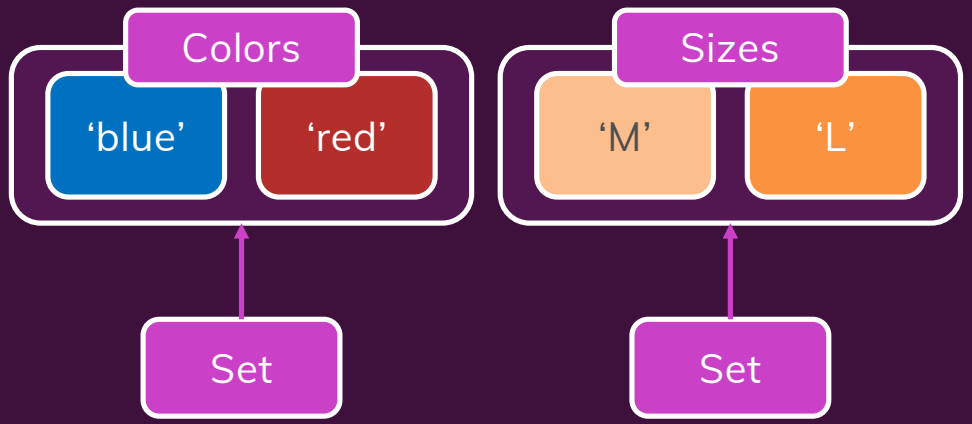
What are Set (Array) Algorithms About?

A Set is a collection of values (objects, numbers) which forms an entity itself

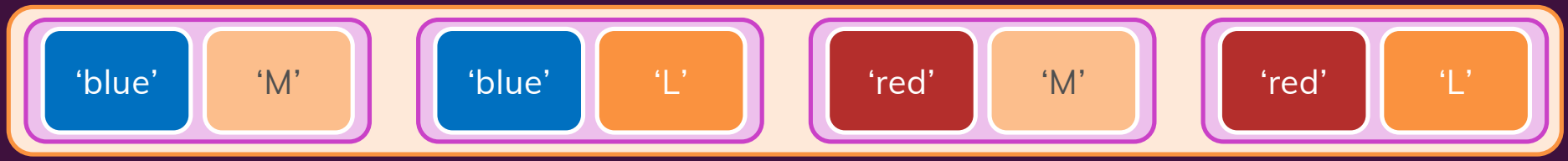
Example: Shirt manufacturing



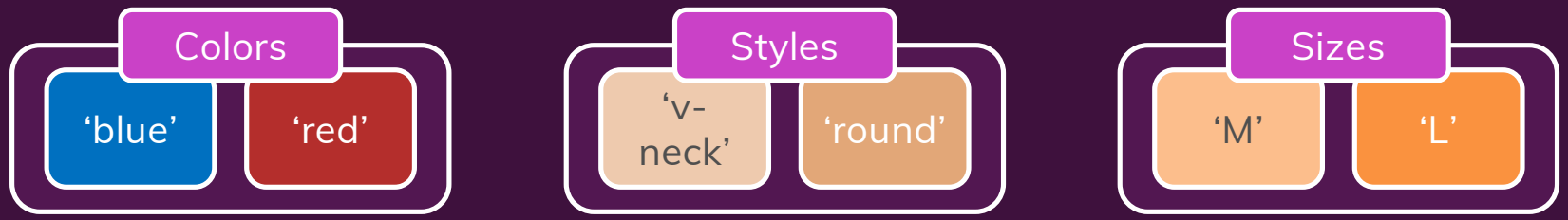
Cartesian Product

Example: Shirt manufacturing

New Set: All variants that should be manufactured



Cartesian Product – More Than 2 Sets



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Permutations (With & Without Repetition)

An ordered combination of values.

Without Repetition	With Repetition
Example: Todo list items	Example: Safe combination you want to set
['Walk dog', 'Clean toilet', 'Order food']	[1, 5, 9]
['Walk dog', 'Clean toilet', 'Order food'] ['Clean toilet', 'Walk dog', 'Order food'] ['Walk dog', 'Order food', 'Clean toilet'] ...	[1, 1, 9] [1, 1, 1] [9, 5, 9] ...

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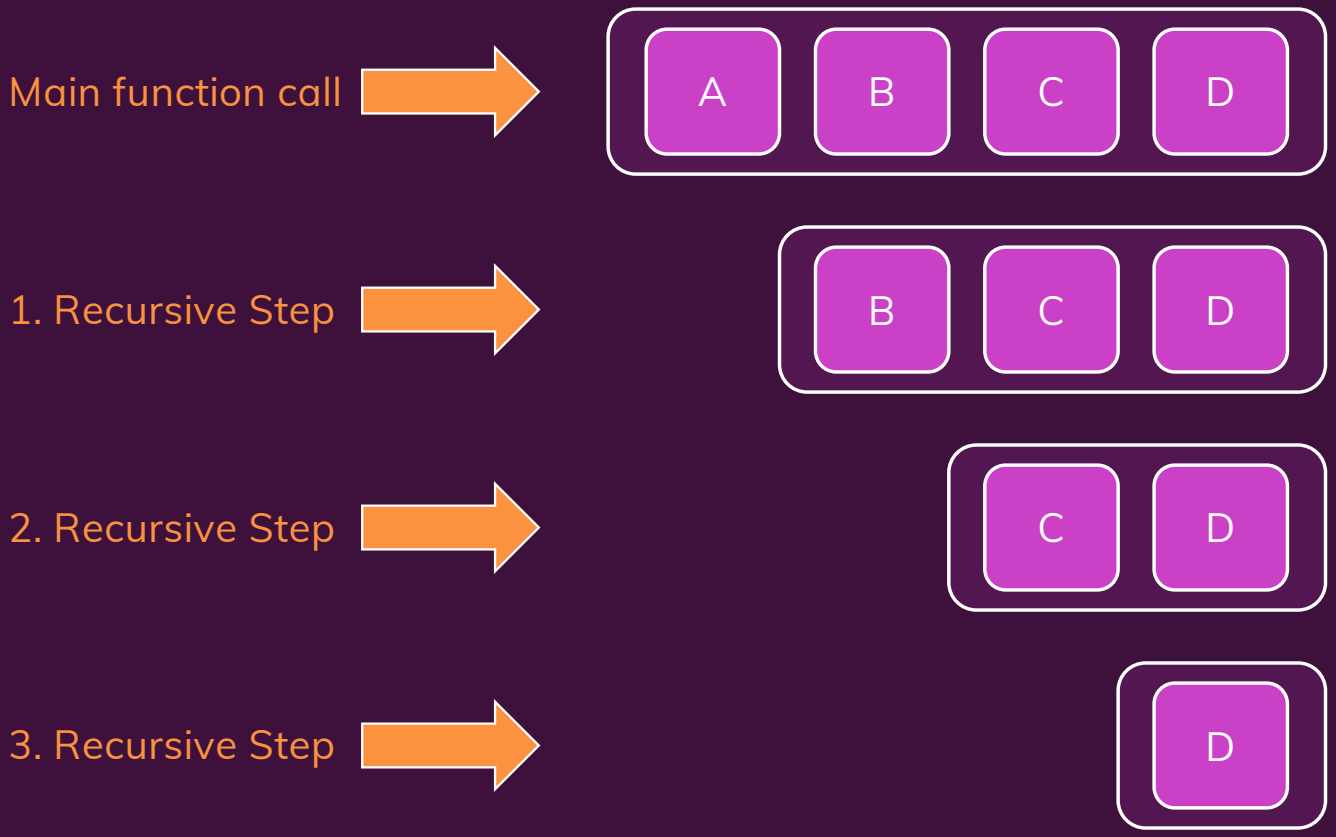
Recursive Permutations



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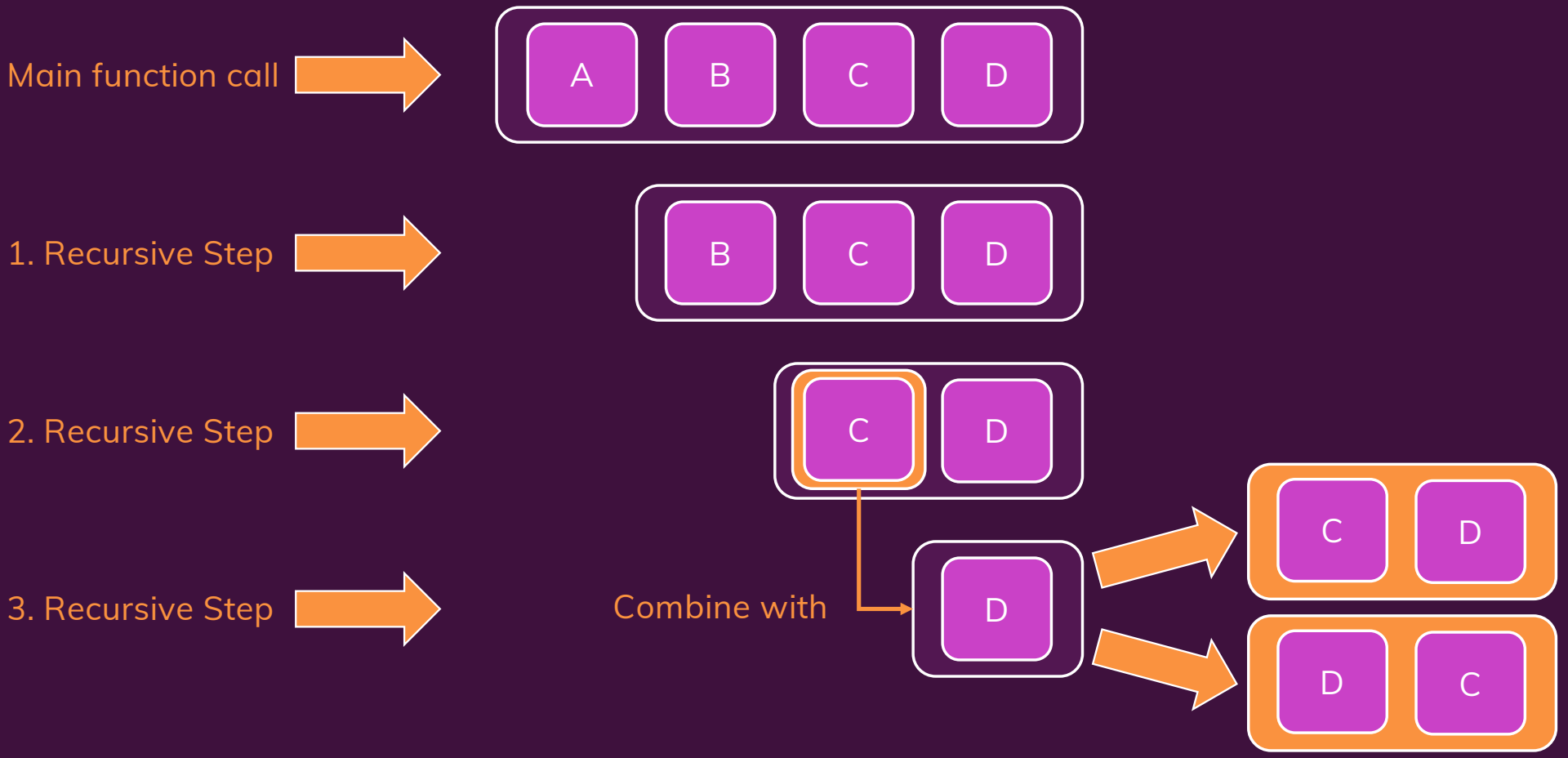
Recursive Permutations



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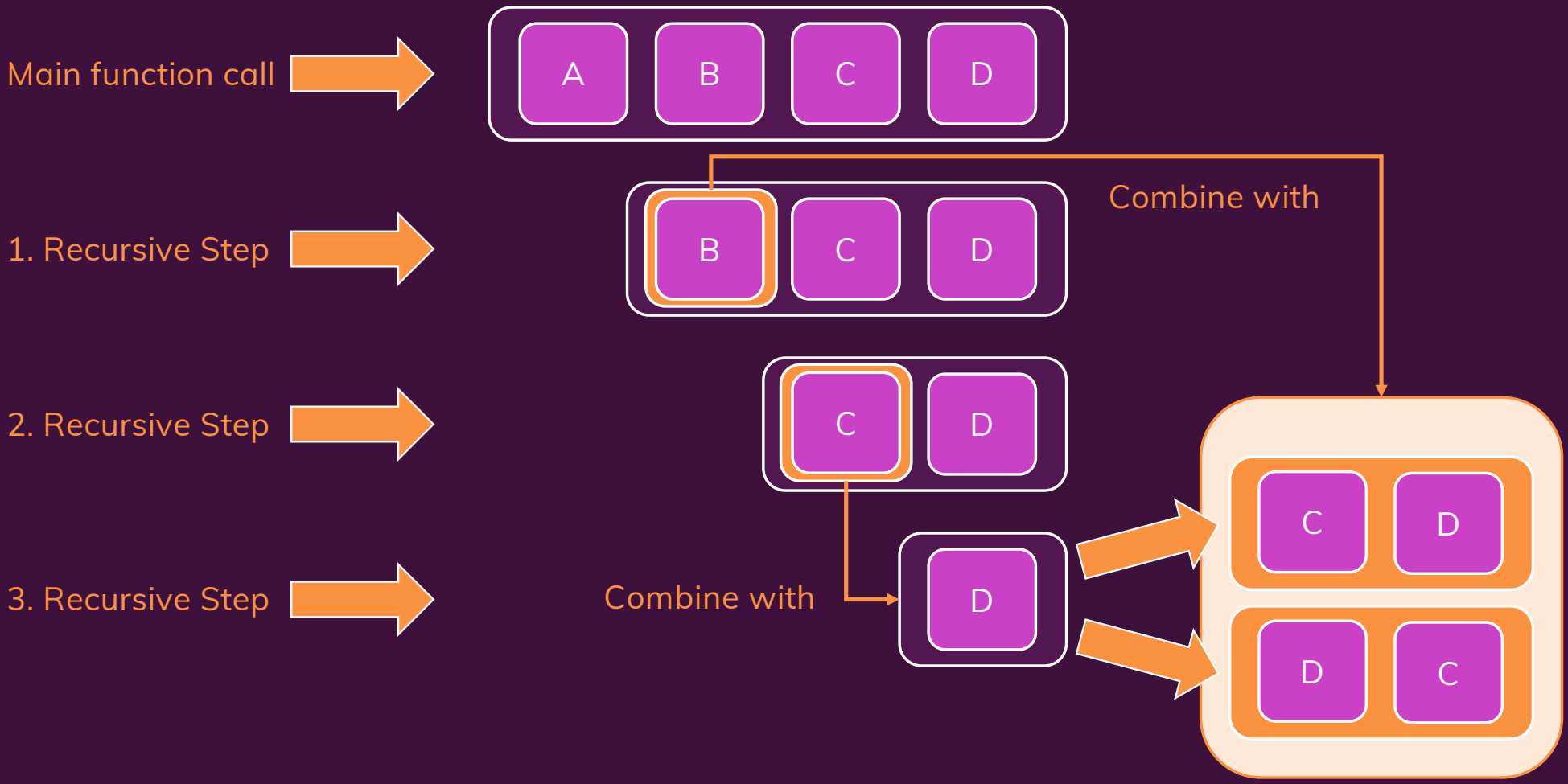
Recursive Permutations