

Max *Subarray Sum*

BRUTE FORCE

1	-2	6	-1	3
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Max *Subarray Sum*

PREFIX SUM

1	-2	6	-1	3
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Prefix Array

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Max *Subarray Sum*

-2, -3, 4, -1, -2, 1, 5, -3

KADANE'S

CS

MS

+ve	+	+ve	=	+ve
++ve	-	-ve	=	+ve
+ve	+	--ve	=	-ve

Auxiliary Arrays

height = [4, 2, 0, 6, 3, 2, 5]

Trapping Rainwater

Given n non-negative integers representing an elevation map where the width of each bar is 1, compute how much Water it can trap after raining.

