



maximum sum exists in two cases:

① maximum in the middle.



→ use maximum subarray  
without circular

② maximum in both ends.



→ find minimum then we  
get maximum.

corner case:

when min window is equal to all sum,  
max is empty.

in this case,  $\text{max} \neq \text{sum} - \text{min}$

⇒  $\text{output} = \text{minSoFar} == \text{sum}$

?  $\text{Math.max}(\text{output}, \text{maxSoFar})$

:  $\text{Math.max}(\text{output}, \text{maxSoFar}, \text{sum} - \text{minSoFar});$