Equilibrium Index

Sum of all elements

before ith idx

Som of all elements
after ith ids

pirot index | Equilibrium indet

Ex : arr() = (-2, 0, 1, 2, 3, 0, 1)

As, if you take (idx = 4) 2. Sum of elements from $idx (0 \rightarrow 3) = 1$

Sum of elements from idx (5->6) = 1

i. idx = 4 de sium index /pivot index

(1) Cakulate Prefix Sum array (PS[)

2) Iterate through (1-2)

Check $\begin{cases} ij & ps(i-1) = ps(n-1) - ps(r) \end{cases}$ by those will be hardled in rightsum left sum

those will be hardled in edge cases

=> if they are equal, we got one equilibrium index

Edge Cases

(1) (1==n-1) -> There will be no right sum to check with left

thati why it's need to handle Seperately

So, Check $\begin{cases} PS(n-2) = -0 \end{cases}$ no right Sum, so 0left Sum > if true, we got one Equilibrium index

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[(1==0)

[Gimilarly, there will be no left Com to check with right som So, need to handle it Seperately

check: $\begin{cases} 75(n-1) - 15(0) = = 0 \end{cases} = 0 \end{cases}$ right 8m if true, we got one Equilibrium index