Equilibrium Index

0123456

Ex= arr[] = { -2,0,1,2,3,0,1}

if you take idx = 4, Sum of elements from idx (0 > 3) = 1

Sum of Elements from idx (5-36) = 1

: idx = 4 -> is an Equilibrium Index / Pixot index

Note: I have mentioned the word PF' below,

Means -> prefix Sum array

1) Calculate prefix Sum array (Pf[])

(i==0)

There will be no left Sum to check with right Sum So, need to handle it seperately

//somilarly for last index,

3 1 (i== n-1)

I There will be no Right Sum to check with left Sum So, need to handle it seperately

check S PY(n-2) = = 0 S pij true, we got one Equilibrium index,

/Apart from edge Cases

check
$$Silphi(Pf(i-1)) = = Pf(n-1) - Pf(i)$$
 One more left Sum $Sight Sum$ Squilibrium II