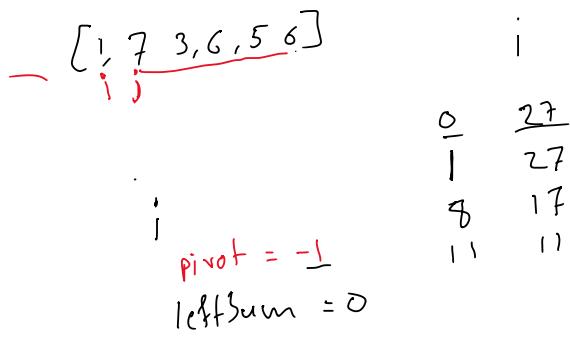


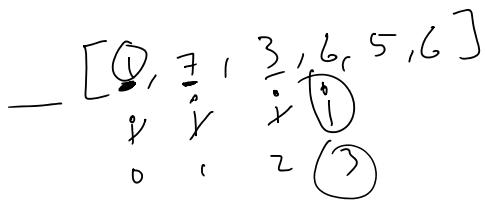
find pivot index



```

 $\rightarrow \text{for } (i=0; i < n; i++) \{$ 
     $\left\{ \begin{array}{l} \text{RightSum} = 0 \\ \text{for } (j=i+1; j < n; j++) \{ \\ \quad \text{RightSum} += \text{arr}[j] \\ \end{array} \right.$ 
     $\left. \begin{array}{l} \text{if } (leftSum == RightSum) \{ \\ \quad \text{pivot} = i \\ \quad \text{break} \\ \end{array} \right.$ 
     $\left. \begin{array}{l} \text{return } i \\ \quad \text{LeftSum} += \text{arr}[i] \\ \end{array} \right.$ 
 $\}$ 
 $\left. \begin{array}{l} \text{return } \cancel{\text{pivot}} -1 \\ \end{array} \right.$ 

```



$$\begin{aligned}
 \underline{\text{total}} &= \underline{28} & \underline{\text{Lsum}} &= \underline{\emptyset} \times \underline{8} \underline{11} \\
 27 &= 28 - 0 - 1 & 8 &= 28 - 11 - 6 \\
 20 &= 28 - 1 - 7 & 17 &= 28 - 8 - 3 \\
 17 &= 28 - 8 - 3 & 0 &= 27 \\
 0 &= 27 & 1 &= 20 \\
 1 &= 20 & 8 &= 17 \\
 8 &= 17 & 11 &= 11 \\
 11 &= 11
 \end{aligned}$$

$$\begin{aligned}
 \text{totalSum} &= 28 \\
 \text{leftSum} &= 0
 \end{aligned}$$

$\left[\text{for } (i=0; i < n; i++) \right]$

totalSum = 0
leftSum = 0

28

[for ($i = 0; i < n; i++$)
 totalSum += arr[i]

}

{ for ($i = 0; i < n; i++$)
 rightSum = totalSum - leftSum - arr[i]
 if (rightSum == leftSum)
 return i
 }
 leftSum += arr[i]
}
return -1