

20250901_152836

5 minutes ago 31Second Look

$$\text{arr} = [5, 2, 3, 4, 7, 9] \quad x = 11$$

$$\text{if } \left(\frac{x+a}{\checkmark} \parallel \frac{x-a}{\checkmark} \right) \quad a-b = x$$

$$\{ \quad 5+11 = \textcircled{16} \quad 16-5 = 11$$

$$S_1 \rightarrow a = \underline{16} \rightarrow 16-5 = \textcircled{11}$$

$$\{ \quad S_2 \rightarrow 5-11 = \textcircled{-6} \checkmark \quad 16 \checkmark$$

Find two numbers whose difference = target

* difference is positive

$$|a-b| = \text{target}$$

$$\begin{array}{l} (a-b) < 0 \rightarrow -(a-b) = \text{target} \\ (a-b) > 0 \rightarrow (a-b) = \text{target} \end{array}$$

$$\begin{array}{l} -a+b = \text{target} \\ -a+b = \text{target} \\ b = a + \text{target} \end{array} \quad \begin{array}{l} (a-b) = \text{target} \\ b = a - \text{target} \end{array}$$

Ex 1

S = A B A C A B

Rearrange chars of the given string to make it a Palindrome

Output = $\left. \begin{array}{l} \underline{B A A C A A B} \\ \text{or} \\ \underline{A A B C B A A} \\ \text{or} \\ \underline{A B A C A B A} \end{array} \right\}$ Print any of the Valid Palindrome

Ex 2

S = A A A B B B

Output = -1

Observation

① Max. 1 character can be odd freq.

Ex 3

S = A B A B C B