

16 350m closest

$$\text{Closest} = f(\text{inf}) \quad [-1, 2, 1, -4]$$

$$i = -4$$

$$[-4, -1, 1, 2]$$

$$\text{left} = -1$$

$$\text{right} = 2$$

$$1 < 2 \checkmark$$

$$-4 + -1 + 2 \Rightarrow -5 + 2 \Rightarrow -3$$

$$\text{total} = \text{target} \times$$

$$(-3 - 1) < (-3 - \text{inf})$$

$$+4 < -3 - 1 \Rightarrow i \checkmark \text{ smaller}$$

$$\text{answer} \Rightarrow \underline{2}$$

(18)

usom

Completed

$$1 > 2 \quad 2 > 0 \text{ and } 2 == 1 \Rightarrow -1 == -1 \quad \checkmark$$

$[-4, -1, -1, 0, 1, 2]$ \Rightarrow False loop breaks

$i = 2$ False False

$$3 > 0 \text{ and } 3 == -1$$

$$0 == -1 \quad \checkmark$$

$$i = 0, \text{ left} = 1, \text{ right} = 2$$

$$\text{total} = [0 + 1 + 2] \times$$

$$i = 4, \text{ left} = 2, \text{ right} = 2 \times$$

$$[1, 0, 1]$$

$$(1, 0, 1) \text{ and } (1, 1, 1)$$

Day 2

problem - 1

Max 2000

nums = [1, 2, 1]

1 < i < n

if = 1 x

left = 0 + 1 = 1

1 + 0 = 1 ✓

[1, 2, 1]

[1, 2, 1, 2, 3]

i = 0 j = 0

1 1

2 2

3

[1, 1, 2, 2, 3]

i = 0 j = 0 + 1 + 2

1 + 2 = 3 ✓

[1, 2, 3]

i j w[i] w[j] C +

0 0 1 1 x

0 1 1 1 x

0 2 1 2 ✓ [1, 2]

1 3 2 2 x

1 4 2 3 ✓ [1, 2, 3]

problem - 2

[2, 0, 2, 1, 1, 0]

[0, 0, 1, 1, 2, 2]

↔

Sum \rightarrow 3 sum

$[-1, 0, 1, 2, -1, -4]$

Not

$[-4, -1, -1, 0, 1, 2]$

res = []

$[- - -]$

$0 > 0$ and $0 ==$ (does not)

$i = -4$ left = -1 right = 2

$total < 0 \checkmark$

total = $-4 + (-1) + 2$

$\Rightarrow -5 + 2 \Rightarrow -3$

$p = 0$
no triplet found

total == 0 x

total < 0 \checkmark

left + 1 $\Rightarrow 1 + 1 \Rightarrow 2$

Step 2

$-4 + (-1) + 2 \Rightarrow -3$ (same)

left + 1 $\Rightarrow 2 + 1 \Rightarrow 3 \Rightarrow$ (1) value

$-4 + 1 + 2 \Rightarrow -4 + 3 \Rightarrow -1 \checkmark$

total = 0 x

total < 0 \checkmark

left + 1 $\Rightarrow 2 + 3 \Rightarrow 3 \Rightarrow$ (2)



~~$-4 + 2 + 2 \Rightarrow 0 \checkmark$~~

~~total = 0 \checkmark~~

~~res = $[-4, 2, 2]$~~

$$\frac{K_{\text{epot}}}{DS_A} =$$

Two pointer classic - 2 - Arrays

Problem Median: problem 167

1000

$$[2, 2, 11, 15] \text{ eq}$$

100 92
100 1

0.05 ✓

$$-t_1(x, y + z^2) \in \mathcal{I} + \mathcal{J}$$

12-57 X

5. 1

1729 ✓

13

$$\sqrt[3]{x^2 + 2}$$

2571c 0272

$$1 \quad 6 \pm 0 + 2 \quad 2 + 11 + 19$$

if $13 \equiv 1 \pmod{10}$

137

$$x_3 = -1 + \sqrt{r+1}$$

while $0 < 1$

$$t = 0 + 1 \rightarrow 2 + 7 = 9$$
$$r \rightarrow q = q \quad \checkmark$$
$$r_c [0+1, 1+1] \Rightarrow [1, 2]$$

$1 > 0$ and $1 == -4$

continues

left = 2

right = 5

$[-4, -1, 0, 1, 2]$
0 1 2 3 4 5

while $2 < 5$:

total = ~~0~~ $[-1 + -1 + 2] \Rightarrow 0 \checkmark$

if total == 0 \checkmark

$[-1, -1, +2]$

left $\Rightarrow 2 + 1 \Rightarrow 3$

right $\Rightarrow 5 - 1 \Rightarrow 4$

while $3 < 4$ and $3 == 1 \times$

while $3 < 4$ and $4 == 5 \times$
 $1 == 2$

Stop

$3 < 4$:

total $\Rightarrow -1 + 0 + 1 \Rightarrow 0 \checkmark$

if total == 0 \checkmark $[-1, 0, +1]$

left $\Rightarrow 3 + 1 \Rightarrow 4$

right $\Rightarrow 4 - 1 \Rightarrow 3$

$[-1, -1, +2]$ and $[-1, 0, +1]$