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## **Array 3 Pointers**

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Suggest Edit

You are given 3 arrays A, B and C. All 3 of the arrays are sorted.

Find i, j, k such that:

max(abs(A[i] - B[j]), abs(B[j] - C[k]), abs(C[k] - A[i])) is
minimized.

Return the minimum max(abs(A[i] - B[j]), abs(B[j] - C[k]), abs(C[k] - A[i]))

\*\*abs(x) is absolute value of x and is implemented in the following manner: \*\*

if (x < 0) return -x; else return x;

## Example:

Input :

A: [1, 4, 10] B: [2, 15, 20] C: [10, 12]

Output: 5

With 10 from A, 15 from B and 10 from C.

See Expected Output

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Seen this question in a real interview before (

Yes

No