## * 4Sum : II

num1, num2, num3, num4

⇓

num1[i] + num2[j] + num3[k] + num4[l] = 0

t  −t

$O(n^2)$
$O(n^2)$

store in a map  check for −value in the map

- sort all 4 arrays.

take global min,

$$min = min\left\{ num1[0] + num2[0], -(num3[len] + num4[len]) \right\}$$

$O(n^2)$
$O(n^2)$

take global max,

$$max = max\left\{ num1[len] + num2[len], -(num3[0] + num4[0]) \right\}$$

Store in an array instead of map.