| Med Them I - Typet assay  |
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| For this problem we must find two incleas (1-indexed) such that numbers [i] + numbers [j] = = target, using O(1) extra space.   |
| Approach: Two Pointer:  |
| Approach: Two Pointers:  Why it works: Amay is sorted - we can use two pointers (one at   |
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| · If sum is less than target - move left pointer right.   |
| · If sum is less then target → move left pointer right.  · If sum is greater than target → move right pointer left.   |
| · If rum equals target - return inclices.   |
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| Algorethm:  |
| 1. Triticalize left = 0 right = number size () -1.  |
|   |
| I While left = xight:  -swm = mumbers (left) + mumbers (sight]  · If swm == target: reteen [left +1, right +17 (1-inclined)  · If swm < target: left + +  · Else sight —— |
| · If rum == target: retean [left +1 right +17 (1-indixed)   |
| · If sum < taget: left ++   |
| - Else right —  |
|   |
| Tune: O(1) (songle pass)  Jsace: O(1) (constant extre yace)   |
| Tune: D(n) (single pass)  |
| Tyace: O(1) (constant extre yace)   |
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