

Quad Sum Is N

Write a function to determine if an array `a[]` has four distinct elements whose sum is equal to some specified value `n`.

```
bool quad_sum_is_n(int a[], int len, int n);
```

Returns true if `a[]` has four distinct elements whose sum == `n`. Otherwise, returns false.

Examples:

Input: `a[] = {1, 2, 3, 4}, len = 4, n = 10`

Returns: `true`

Explanation: `10 == 1 + 2 + 3 + 4`

Input: `a[] = {1}, len = 1, n = 1`

Returns: `false`

Input: `a[] = {-1, 0, -2, 5, 1, 6, 2}, len = 7, n = 0`

Returns: `true`

Explanation: `0 == -1 + -2 + 1 + 2`