60. Count triplets mat can form two array equal to XOR. Given an array of integers

Code:

```
def countTriplets(arr):
    n = len(arr)
    xor_prefix = [0] * n
    xor_prefix[0] = arr[0]


    for i in range(1, n):
        xor_prefix[i] = xor_prefix[i - 1] ^ arr[i]

    count_map = {}
    count_map[0] = 1

    count_triplets = 0
    for k in range(n):
        if xor_prefix[k] in count_map:
            count_triplets += count_map[xor_prefix[k]]

        if xor_prefix[k] in count_map:
            count_map[xor_prefix[k]] += 1
        else:
            count_map[xor_prefix[k]] = 1

    return count_triplets


arr = [2, 3, 1, 6, 7]
print(countTriplets
```

Output:

```
2
```

Time Complexity:

- $T(n)= O(n^2)$