Count no. of sub-away with $x \circ y = m$ in a acreay of size n where $1 \le n \le 10^6$

0 -> 123456

If we do [12,3,4,1] 112 -> 3,4

Same au pre sum technique pre[i]-prelj]=prelj-i]

But how to find if a sub-away has m xor-sum?

m = 3 4

Lif we have encounted any

xor between

pre xor with

this value that mean a subanuay exists with

xor = m.

$$a_{i}=3$$
 $a_{j}=4$ $a_{i}=3$ $a_{j}=3$
 $a_{i}=011$ $a_{j}=100$ $a_{i}=011$ $a_{j}=011$ $a_{j}=011$

52 2 25

When will the number have some power of 3 $1 \rightarrow \text{obscurve}$ 81 27 9 3 1 As base is

0 0 0 (2) 1 - 1 As have rather

1 + d.3 = 7 > It well 0, 1, 2

Cause problem 81 27 9 3 1
0 0 0 0 2 1 — n0 0 1 0 0 — n' n'=7 n' noill always be greater than n'=9 n n n n n'=9 n n' noill always be greater than n'the problem we set
the first 0 encountered after a bit's

value 2