eq: qcd(42,12) = 6gcd(a,0) = [a] act(12,6)=6 La when smaller is the fivisor of bigger number. gcd (12,12) = 12 Externacioner get for a pair in 1 to M gcd (a,b) = 9 Tlet b>g, then since g tivites b then 2 b>29 Thus, manifron = (N/2)

## LCM ([east common multiple)

eg: (cm(42, 12) = 84)gcd (a, 0) = a

relationship => gct(a,b) x, lcm(a,b)
=> 1axb|

Lon (a,0) = |axbl = 0 = 0 gcd(a,0)

Thus, (cm(40)=0

lcm(12,6) = 12

lcm (12,12) = 12

Thus, only time get and lem of two numbers a and b is equal when a == b & maximum LCM from I to W, Confor two consecutive numbers is (a-x-(a+1)). Thus, maximum = NXCN-1) Question -> In the oray, for all pair if the difference the god and lon = 0, count them. Meaning, same number should appear twice in the oney Thus, 2 finding duplicates in the oney, first sort then the check if (nums [ii] == nume [i+1])