lues Find an element in 2D Sorted assay 9 10 12 13 15 2 5 11 7 9 15 17 21 8 (1 (9 22 25 Cuaa < Val 1++ Brote Force > O(n2) Curs > Val C 1=0

while(i<a.e && j>=0) &

3

j = asoctoJ.Q

() ues 7 1 3 5 2 4 9 RPEH Taiplets all all athi 3, 5,4 lati] - atj] 1 < p (3-5) =2 13-41=1 Count no of taiplets (S-Y)=1Brute Fonce Jor (i 1=0 <1-2 J= 1+1 < Q-1 Positi R= j+1 < R goge (R 8 18 0(n3) Sort (nlogn) þ=4 10012345 6 7 8 - - (5) total = 8-3 = 5 Qb= S-4=1 total C2 061=3

 $hc_{2} \Rightarrow h! \qquad (n \times (n-1) \times 2)$ $(n \times (n-1) / 2)$ Find index 1b $ans = \sqrt{3}$ $-100 \times 2 \times 2 \times 3 \times 7 \times 9$ 9.2

Modulo Agithmatics

(a × 6) 1.m

= ((axm) x (bxm)) / m

int gact(intn) ?

int g = 1, m = 1000000007; goa(i=1; i <= n; i++) ? g = ((g : m) * (i : m)) : m;auturn g;