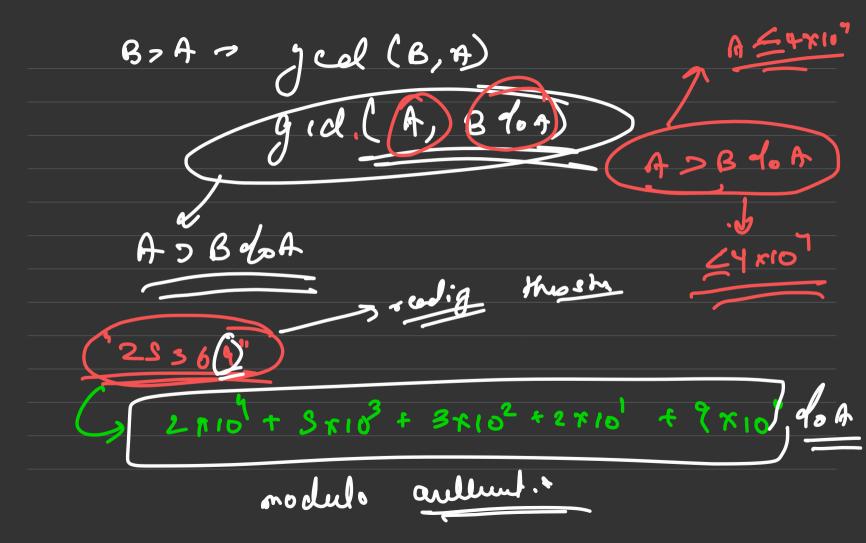
() → 1x1x3x4 → 24
() 36

9 ed (24, 36, 30)

Cannot be shored in day legitt thus no. as a storing. B= "23369" A=12



23369

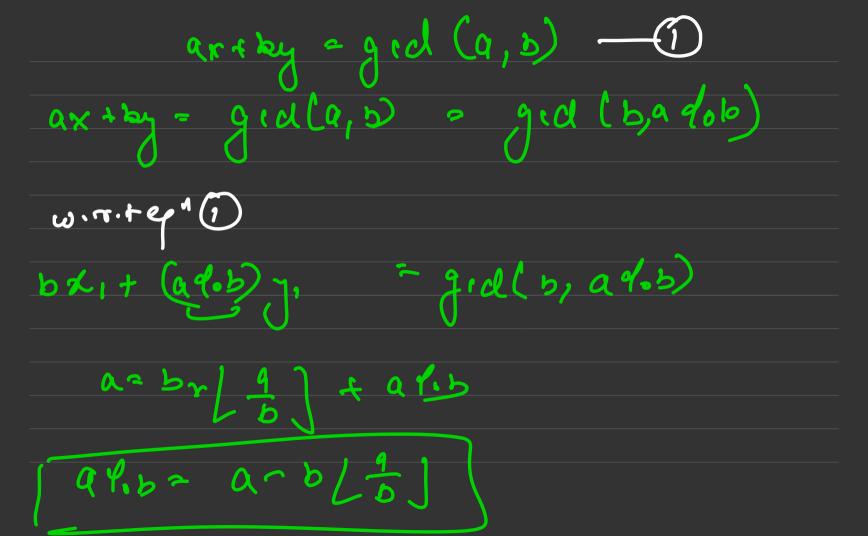
and = 0

and += $(9 \times 10^{\circ}) 9012 \rightarrow 9$

ano += (6×10') 4012 -> 5+9->17

ano + = (34102) for2 > 0 + 4714

Extended Eucled's



bz, + (a-b | 9)) j, = g (b, 49.3) from eg 1 (1)

arx bey = g col(b, a4 b) bn, + (9-b/3)) y = 9 d d by

ay, + b(n, - L3) y) = ax f by

x=y

y = n/2 jy

gid (9,6)~a y - gid (a, b) Mulliplicalie modulo umuse rumber

(A · B) mod m = 1 H Congruency - Gun a pan x, y then if n-y is integrally devoeble by

m, then m say x & y av Congruent modulo m.

A.B) 90m =1 (A-B) = 1 (mod m) AB-1 is a multiple of mi AB-1 = mg > some multiple of m AB - mg = 1

lur-9 00 AB-mg=1 3-1-0=-AB 7 = grd (4,0) embed of.

find the no. of paus 9,5 that Salisfy the above 9.

$$\frac{1}{a} + \frac{1}{b} = \frac{1}{a}$$

$$\frac{b}{ab} + \frac{q}{ab} = \frac{1}{ab}$$

$$na + nb = ab$$

$$ab - na - nb = 0$$

$$addy n^{2} \quad \text{on bom sides}$$

ab - na - nb + n² = n² $a(b-n) - n(b-n) = n^2$ $(b-n)(\alpha-n)=n^2,0$ $n^2 = \frac{x \cdot y}{x \cdot y}$ + all forces $\frac{1}{2}$ $(a-n)(b-n) = 41 \times \frac{n^2}{41}$ b-n="/51"

$$a - n = f_1$$

$$b - n = \frac{n^2}{f_1}$$

$$b \neq \frac{n^2 + n}{f_1}$$