QID	l=lcm (a,b) d=gd (a,b)
@12.	ald ble 1100 111 To show
	L=aQ, $l=bQ_2$ $a=dy$ $b=dq_2$ $Q(CZ)$ $Q(CZ)$ $Q(CZ)$
	1 1-00, 1-600 (a=dq) (b=dq2
	$(Q_1 \in \mathbb{Z})$ $(Q_2 \in \mathbb{Z})$ $(g_1 \in \mathbb{Z})$ $(g_2 \in \mathbb{Z})$
()	
	부기의 군하면
	Q2= 06 Q1 Q2
	ab = d2 8182
	독 원 공하면
	12. J29, B2 = (ab) Q1Q2
	(ld) 2 - Q1Q2 (ab) - Q1Q2 - (1) of 1401141
	The state of the s
-)	9,97 = 08 30%17}
TT)	a, b > 1 positive integer 0103
	水管 对能 57ha)
Case 1)	god (a,b)=1
	$\rightarrow l=ab$ , $d=1$
	1=0Q1=ab, Q1=b
	= bQz = ab, Qz = a.
	0=381, $41=0$
	b= dq2, q2= b
	0.03
	$\frac{Q_1Q_2}{q_1q_2} = \frac{\alpha b}{\alpha b} = 1$
	(A)

(ase 2) ( $a \le b = 0$ $a \ge b$	( 2)	( ) ( ) ( ) ( ) ( )
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	(ase2)	
$\begin{array}{c} \begin{array}{ccccccccccccccccccccccccccccccccc$		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		bln de alne the visitor.
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		$\rightarrow l=b$ . $l=\alpha$ .
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		$l = QQ_1 = b$ $Q_1 = \frac{b}{a}$
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		= 6 Q1 = 6 , Q2 = 1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		0=28=08,
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		b= dq2=aq2 , &2= \frac{b}{a}
(ase 3) $a > b = 0$ $a > b = $		0192 - 51
		9182 /2
A = b  0 = b  b =	Cose 3)	a>b 012 gd (0,b) = (b).
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		aln old bla ? Web All wet.
0 = 261 = 661 $0 = 261 = 661$ $0 = 261 = 661$ $0 = 261 = 661$		→ l= l. d=b
0 = 261 = 661 $0 = 261 = 661$ $0 = 261 = 661$ $0 = 261 = 661$		$\ell = \alpha \alpha_1 = \alpha_1 \qquad \alpha_1 = 1$
0 = 261 = 661 $0 = 261 = 661$ $0 = 261 = 661$ $0 = 261 = 661$		$=bQ_2=\Omega$ , $Q_2=\frac{a}{b}$
g2 = 1		0=24, = 68, 0 = 9
8182 A.T.		grand grand
8182 <del>a</del> .1		, 0,02 1,9
		8,82 5.1
		)

	10 10 10 10 10 10 10 10 10 10 10 10 10 1	
Case	4) NED 012 1< gcd (A, b) < A	
	gcd (21,9,2) #1. 0121- 7/262/21.	
	La = Oct (g1, g2) 22	
	29/81, 29/82	
13	( 8, to ( 9, to	
13	8-1=28 211 Pz=28.822	
10	B = dg1 = dd2 g11 ole2 olaH ged (end) =	didgolet.
10	b=dg2=ddg822	
10	0/2 2/2 1276 d= gcl(a,b) 01/26,	
	1 212+4 gcd (91,92)=1 alct(2)	
c		
c la		
		ibis
6		

2cd(Q,Q2) = / o 2+ 7/2/3/2/.	.,0-
$acd(Q_1,Q_2) = dQ \ge 2$	
$\int a  Q_1  \int a  Q_2 $ $\int Q_1 \neq 0 \qquad Q_2 \neq 0$	
Q1 to Q2 to	
$     \left[\begin{array}{cccccccccccccccccccccccccccccccccccc$	
$= aQ_1 = dQ \cdot a \cdot Q_1$ , $a \neq a $	
l=bQ2=da.b.Q22, l=b.Q22, b/da	
dala, alloes dale,	
3 de ∈ N	
da (l o12, - a) da and b/da 0123	
da = lcm (a,b) = - { nEN } orlin and bln } old	
0/E 2/6 >12/5/56 2/21/21	
l= lem (a,b) 011 25-101.	-
== == == = = = = = = = = = = = = = = =	
	(
$l = \alpha Q_1$ , $\alpha = \frac{1}{Q_1}$ $\alpha = \frac{1}{Q_2}$	6
$l = b Q_2$ , $b = \frac{1}{Q_2} \int b Q_1$	6
$0 = 0$ $\frac{1}{2}$	6
$0 = \frac{1}{2} \frac{1}{2}$ $b = \frac{1}{2} \frac{1}{2}$ $b = \frac{1}{2} \frac{1}{2}$ $b = \frac{1}{2} \frac{1}{2}$	
一万 0 01 对欧湖 B 21 电比片	
$\frac{Q}{D} = \frac{A}{B} = \frac{Q_2}{Q_1} = \frac{g_1}{g_2},  \begin{bmatrix} A = Q_2 = g_1 \\ B = Q_1 = g_2 \end{bmatrix} = \frac{g_1}{g_2}$	
pt , L = 42	

[-'gcd(Q1,Q2)=) -> Q12+ Q2 & 2132	
(-(3)) -> Q2 + 7/0/-9/-	
Jed (g, g, 2)=1 → g, 2r gr & 212t	
(°(2)) -> 8, 2 7/05/24	
1 Q1Q2 Q1 Q2 Q1 OPP.	
3182 Q2 Q1	
(cues) a>b =12 ( <gcd (0,b)="" b<="" th="" ≤=""><th></th></gcd>	
In a similar way with Case 4,	
and (O. Q0)=) - Q2 L 3/24/2	
9rd (a, 92) = 1 -> 0	
2cd (g, g2) = 1 -> 21 = 70534	
$A = Q_2 = \beta_1$ $B = Q_1 = \beta_2$ $Th \left( \frac{Q}{J} = \frac{A}{B} = \frac{Q_2}{Q_1} = \frac{B_1}{B_2} \right)$	
B=Q1=B2 / J B Q1 82	
0, 02 9, 02	
2182 Az. Q1	
(a)	
$\frac{Q_1Q_2}{Q_1Q_2} = 1$	
B182 = 1	
7)el (1) e1/el (1) 12 9102 1	
$7)$ = $1$ $(1)$ $1/k$ $(21)^2 = \frac{Q_1Q_2}{Q_1Q_2} = 1$	
$\rightarrow (ld)^2 = (ab)^2 \qquad (abo, bbo, dbo)$	
-2d = ab	
0-ab and ab ibis	
$x = \frac{1}{\sqrt{1 - \frac{1}{2}}} \longrightarrow dcm(a,b) = \frac{1}{\sqrt{2}} \frac{1}$	1