-			
1.00	3 Greatest common divisor and modulo		
3.1	Find the multiplicative Muerse of 34 mad 89 using the		
Manus	euclidean algorithm		
		15=10-24	
	34 mod 89		
		15=10-4+55	
	89=34.2+21	89+34(-2)=21 (7)	
and the second s	34=21.1+13	34+21(-1) = 13 (6)	
	21=13.1+8	Z1+136-1) = 8 (5)	
	13-8-1+5	13+8(-1) = 5 (4)	
6	8=5.1+3	8+5(-1)=3 (3)	
	5=3.1+2	5.360 = 2 (2)	
	3=2.1+1	3+2(-1) = 1 (1)	
	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		
	(6) 13(89+34(-7)) +34(-8) = 89(13) +34(-26) +34(-8) = 89(13) +34(-34)		
		251-340 71-3491-2113	
	89(13) + 34(-34) = 1 (mod 89) 89(13) + 34(55) = 1 (mod 89) 34(55) = 1 (mod 89) : 34 55 = = 1 mod 89 = 34 mod 89 The multiplicative invox of 34 mod 89 15 55		
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7.3	1.11 1 11	(1 1 () () () ()	
3.2	first we brig the god, and since 89 is a Prime we know		
	the godis 1. We	also know now that us only one Solution	
	for the second second		
	34x+5=0mod[8"	9	
	= 34x=-5 mod(89)	1) , From last bask	
	= 34x = 84 mod (89)		
	34(55) x = (55)(84)		
	V = 4(70 mod (29)	(1/201001(40) - 81 , 1/49)	
	X = 4670 mod (89), 4670 mod (89) = 81 mod (89)		
	X=81macl(89)		
	X=87+89K, Where (c) is any integer		
	100000000000000000000000000000000000000		
	3=21/197		
	1 3 - / 2 - 1 1/ - 1		
	17 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		
-			
4			
		a flanding	
	1597 + W.53) =		
	3/1/es) = 1/m/2 =		
	55=2=1119	- 4 mot 39	
	The melliotentus him	22 24 24 1 1 1 E E	
April 100 miles and 100 miles			