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[,	$\int X \equiv ((mod p))$
	$\chi \equiv (\pmod{r})$
	Since c < min {p, q, r}, clearly, x=c is a solution to the equations
,	above
	CRT implies the solutions to the above equotions are congruent
	Therefore $x \equiv C \pmod{N}$
	•
	•
2.	5 X = 1 (mod J)
	X = 3 (mod 7)
	X = 3 (mod 11)
	$M_1 = 77$ $M_2 = 55$ $M_3 = 35$
	$N_1 = 3$ $N_2 = 6$ $N_3 = 6$
	77x3x1+55x6x3+35x6x3=1851.
-	
	Since x = 1851 (mod 385) and x < 1500
-	x=1466, Therefore, there are 34 deserters
-	
-	
. 3.	The CRT does not apply because gcd(10,25)=5 =1
	$X \equiv 3 \pmod{10} \Rightarrow \int X \equiv 3 \pmod{2}$ $X \equiv 3 \pmod{5}$
	$X = 3 \pmod{25} \Rightarrow X = 3 \pmod{5}$
	$X = 3 \pmod{2} \Rightarrow X \equiv 1 \pmod{2}$
The state of the s	

