2/	Adityon Srikanth
	a ks 9136
	a 6 <u>c</u>
	(0 1 1
	PROBLEM 0.3
	1005   X1 = 3 -> 7x1+2x2+6x3=0
	573=3
	$x_3 = \frac{3}{5}$ $4x_1 + 2x_2 + \frac{3}{5}b = 0$
	$\alpha \chi_2 = c$
	IF a, b, c = 0: X2 is fixed -> X1 is fixed -> (1 solution)
	If a=0: 12 can take any value -> c=0 -> (00 Eolutions)
-	If $a \neq 0$ , $c = 0$ : $\chi_2 = 0 \longrightarrow \chi_1$ is a function of $b \longrightarrow (1 \text{ solution})$
	IF a c = 0: Xz is fixed -> Xi is fixed -> (1 solution)
	x has a solutions if a = 0
1)	(else, x has 1 solution)
D)	005 100 -> 005   12 = 3 , 271 + 472 + 673 = 0
	W2 = 3/e
	x has consolutions if q=0
	else 1 Solution
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