Tutorial-7 (Ceng. Maths-111). (B-Tech. Clectrical)



O.1 Test for consistency the following equations and notine them if consistent. $x = 2y + 3t = 2$, $2x + y + z + t = -4$, $4x - 3y + z + 7t = 8$
02 Solve the equation
(i) $x+2y+3z=0$, $3x+4y+4z=0$, $7x+10y+12z=0$
$2x + y + \omega = 0.$
33 For what values of k the equations
$x+y+2=1$, $2x+y+4z=k$, $4x+y+10z=k^2$
in sac case.
Λ <i>l</i> .
Test for consistency and solve.
(i) $2x-3y+7z=5$, $3x+y-3z=13$, $2x+19y-47z=32$
(i) n+24+2 = 3, 2x+34+2== 5, 3x-54+82=2,
3x+9y-z-4.



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