















T: R3 -> P2 (R) T(a,b,c)= (3a-b+c)2 + (a+2b)2+ (b+5c) {(1/1/1), (2/3/0), (1/0/3)(S 1+a, 2+32/2-x/ $\chi^2 = 0$ c₁(1+x)+c₂(x+3x²)+c₃(2-x) comparing coefficients we have 3(2= | 7 (2= 1/3 9+(2-13-0) (3-4-13 4+263=0 7 4+263=0 3(3=1/3=1/9 x=-2(1+x)+3(x+3x2)+2(2-x) $\chi = C_y (1+\alpha) + C_y (\alpha + 3\alpha^2) + C_b (2-\alpha)$ comparing coefficients we have Date _ 1 = (q(1+x)+(q(2-x)3(q = 1 + (q = 1/3)1= = (1+x) + 0 (x+3x2) + = (2-x) $T(1/1/1) = 3n^{2} + 3n + 6$ $= 3 \left[-\frac{2}{7} \frac{1}{7} + \frac{1}{3} \frac{1}{7} + \frac{1}{9} \frac{1}{3} \right]$ +3 2V + - 3 V3 +6 34 + 3 3 て(1,1,1)=10万十次十分多 3+3+1 T(2/3/0) = 32 + 8x +3 = 3 - 3 V1 + 3 V2 + 4 V3] +8 [2 V - 3 V3] + 3 [3 V + 3 V3 (213,0)= 17 V, + V2 - 4 V3 1/0/3 = $6x^2 + x + 15$ = $6 \left[-\frac{2}{5} x_1 + \frac{1}{3} x_2 + \frac{1}{9} x_3 \right] + \frac{2}{3} x_1 - \frac{1}{3} x_2$ 13 V + 2 V + 16 V Page No.

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1		0/3 17/3	13/31	
	M=	1	2	
-		4/3 -4/3	16/3	
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