Word Problems Ex-3.4 $\mathcal{N} + 10 = 54 + 50$ N-24 = 10 -(11) 201 Suppose N= X (mil Tenth place digit = X Unit , = y No = lox + y traction = My I //- = 1 New no. = loy + x I34 N445 9 -41) N+1= 9-1 9 (lox+y) = 2 (loy+x) N-4=-2 +11 90x + 9y = 20y + 21 Ind 1 = 1 7+1 = 2 => 88N-11920 Ox So 2x = y+1 divide by 11 gn-20-(11) 2x-y=1-(ii) (iv) 100 No hote = N (ii) Present age of Nuri=2 501 1 2 9 I 1+ 4=25-01 5 428 030 100 x + 504 = 2000 $\chi -5 = 3(9-5)$ Olivide by 50 N-5 = 3y - 152x+ 4=40-(11) 1-39=-10-41 (1) subb fixed charge furrelays = 1 her gan Extra charge = 2 10 des 020 X + 49 = 27 +i) N+10=2(4+10) X+3A = 51 -(16)

Ex-3.5 Word Problems Speed of Car Start from A= 1 Km/hr
2 y km/hr Yeir fixed Monthly Charge = X Charge food per day = y Speed = distance I N + 209 = (000 +1) 1 + 269 = 1180-(ii) I N-y = 100 (ii) Sobb N= X N-9= 30 -(1) II, 142 = 100 = N-1 = 3 /+ y = (00 -(11) (V) Length of Rectangle = N breadth 1 2 y 30 3N-3=3 3N-4=3 41 IInd 1 = 4 thera , . = Ny Ist (1-5) 9+3 2 14-9 7 Yx= y+8 Ag+3x-5y-15=44-9 4N-928 -(ii) 34-57= 6-11 (iii) Supp Cornet and = V Mrang and = y Ing (147) (245) = 1/2+01 I 31-4=40-41) Hy+ 2x+3y+6=4y+61 2x +3y= (1 fii) Ind 41 - 39 = 50 -(11)

Condition for Solution of Egn for Oix + big + Ci = 0

Pair of Linear Oix + big + Ci = 0 No.0 + 8012 Tipe Unique Consistent = If a + b1 No Solution Parallel IN Consistent In It Or = pr + C Consister Infinite or Many Ind It a 2 b1 2 C2 Coincident