Pan of Linear Egn in Two Variable ax+by+(120 ax+by+(120 Nethod to Solve (NOT) Graphical Method Method Method Maltiplication Me thou Substitution Method - Substitute the Value of any Variable from One Egn to ather. Ex- Som N + 4 26 -61 N-A=5-111) px Educis A= e-x but in Educie) N-(6-x)=5 X-6+X=2 2x=2+6 2×29 & (X=4) So 42 6-4 [4=2]

Climination Method - In this method we Equate the Cofficient of Variable. $\frac{6x-2}{2}$ 2x + 3y = 5 - 117Ex-0 X+ X= e-(1) N-8=5 -(11) X + 24=3 -117 On odd 2x28 brenis (X=4) Multiply Egn (ii) by 2 $\frac{2x + 4y = 6}{2x + 3y = 5}$ Ond for $\frac{2x + 3y = 5}{y = 1}$ Do 4+426 by Egn (i) [Cross Multiplication Method ___ 2x+3x1=5 So 2x=2 [N=1] $b_1 \times (x \times G_1 \times b_1)$ ax+piy+c1 Osx + pra +cr - CO2-CO1 2 - 1 CO2-CO1 2 - 1 CO2-CO2 1 - Ex- N+426 -1×5×1×-1 $\frac{\chi}{2+6} = \frac{y}{6-2} = \frac{-1}{-1-1} = \frac{80}{8} = \frac{1}{4} = \frac{1}{+1}$ $\chi = \frac{8}{2} = \frac{1}{4} = \frac{1}{+1}$ Scanned by CamScanner

Word Problems (i) Suppose largerno= K Smaller = 4 (1) Jopporx N=X -fraction= of 11-9-56 4 Ist //+2 = 9 N= 34 N-39= 0 (11) 11/1+55= dd 418 (ii) Support Supplementary N. y Do // N-945- 4-11) N= 9+18 0x X-4=18+1) IIn 143 = 5 9+3 = 6 and N+ 4= 180 -(1) (ii) Suppose Cost of 1/bat = N W+18=54+15 2015, 2016, 2017, 2019 (N-5y=-3-(11) 114. Ph = 3800 til 2017 By + 5y= 1750 -(11) Wi) Age of Jacobak John 145 = 3 (4+5) Der km charge = 4 11+5=3y+15 tor 6 km / + /04 = /02 til Ind N-34= (0-(i) 5yrago N-5 = 7(y-5) for 15/m N + 15y = 155 til) 1-5=74-35 1-7/2-30-(11)

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