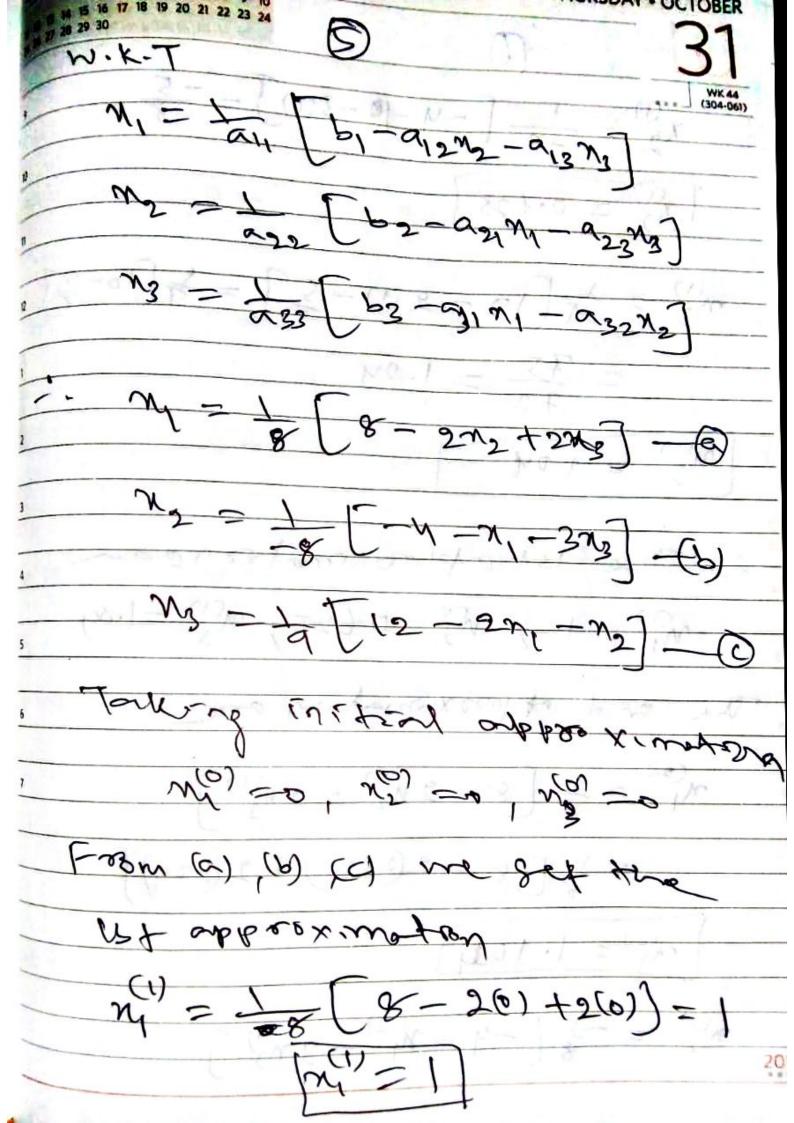


1 2 3 4 5 6 7 16 17 18 19 20 21 22 23 24 (301-064) Now to solve the system of ear by Ganss-Stedel meth the following st ce. we have to lind the M1, N2, N3. Step-D: - chack the given system of linear pay satisfy diagonally dominant. 7/012 7/ 1/31/+

step-D:- If the given ests one (302-06) not satisfying Convergent congeton I then seasonse the eyrs such that they Butisfy convergent condition. Step (III) -- Applying initial approximation M, = \frac{1}{\alpha_{11}} \bigg[\bi 1 - \alpha_{12} \gamma_2 - \alpha_{13} \gamma_{2} \] 72 = to2 [b2-021 My -023 M3] M3 = = = [b3 - 931 M - 322] Step-(V) - Touring the instead approximat $n_1' = n_2'' = n_3'' = 0$ Step-10: - Repeat the procedure until getteg two approximation are equal (rearbyeque) 2019

15 16 17 18 19 20 21 22 23 24 25 26 2 Using Gauss-seider method - followers system of Unear eg. N1-8×2 +3×8= -My + N2 + 9 N3 = iven that 82+3m = 2n, + 2 +9ns = it is diagonally dominant



$$\frac{1}{\sqrt{2}} = \frac{1}{\sqrt{2}} \left[-4 - \frac{10}{2} - \frac{3}{2} (0) \right] = \frac{-5}{\sqrt{8}}$$

$$\frac{1}{\sqrt{2}} = \frac{1}{\sqrt{2}} \left[-4 - \frac{10}{2} - \frac{3}{2} (0) \right] = \frac{-5}{\sqrt{8}}$$

$$\frac{1}{\sqrt{2}} = \frac{1}{\sqrt{2}} \left[-\frac{1}{\sqrt{2}} - \frac{1}{\sqrt{2}} (0) \right] = \frac{1}{\sqrt{2}} \left[-\frac{1}{\sqrt{2}} - \frac{1}{\sqrt{2}} (0) \right]$$

$$\frac{1}{\sqrt{2}} = \frac{1}{\sqrt{2}} \left[-\frac{1}{\sqrt{2}} - \frac{1}{\sqrt{2}} (0) \right] = \frac{1}{\sqrt{2}} \left[-\frac{1}{\sqrt{2}} - \frac{1}{\sqrt{2}} (0) \right]$$

$$\frac{1}{\sqrt{2}} = \frac{1}{\sqrt{2}} \left[\frac{8}{\sqrt{2}} - \frac{1}{\sqrt{2}} - \frac{1}{\sqrt{2}} (0) \right]$$

$$\frac{1}{\sqrt{2}} = \frac{1}{\sqrt{2}} \left[\frac{8}{\sqrt{2}} - \frac{1}{\sqrt{2}} - \frac{1}{\sqrt{2}} - \frac{1}{\sqrt{2}} (0) \right]$$

$$\frac{1}{\sqrt{2}} = \frac{1}{\sqrt{2}} \left[\frac{8}{\sqrt{2}} - \frac{1}{\sqrt{2}} - \frac{1}{\sqrt{2}} - \frac{1}{\sqrt{2}} \right]$$

$$\frac{1}{\sqrt{2}} = \frac{1}{\sqrt{2}} \left[\frac{8}{\sqrt{2}} - \frac{1}{\sqrt{2}} - \frac{1}{\sqrt{2}} - \frac{1}{\sqrt{2}} \right]$$

$$\frac{1}{\sqrt{2}} = \frac{1}{\sqrt{2}} \left[-\frac{1}{\sqrt{2}} - \frac{1}{\sqrt{2}} - \frac{1}{\sqrt{2}} - \frac{1}{\sqrt{2}} \right]$$

