AN ALTERNATIVE FORM OF THE GAUSS. SZEDEL THERATIVE METHOD FOR SOLUTING LINEAR SYSTEMS OF EQUATIONS TS: DX = DX = (L X + + (D + U) X = 6)

IF A SOLUTION CAN DE FOUND BY THIS, CONVERGENCE CAN SE

LCCELERATED W/ AN APTLY TERMED LICELERATION CALAMERE & : = D x - W (L x ... + (D+U) x - b) (1) REARRANGE (1) TO THE FORM (UL + D) X + = Dx + W (D+U) x + w> DXxxx = DXx - WLXxxx -W(D+U)Xx + & DX + + WL x = D x - U (D+U)x + WD (WL + D) X = D X - W (D+U) X + W 5 (z)REARRANGE (2) TO THE FORM: (WL + D) X = ((1-W)D - WU)X + Wb  $= (D - \omega(D+U)) \times_{R} + \omega S$ = (D-WD=VV)Xx + Wb