15/EMGOZLOGS Enal Adjobpodion E Computer Engineering g= g'2x+0+2y 30 -95 · 31 -93 = (2x+1) ex+x 24 = (2x+1)(2x+1)e22+x+262x+x -(2x+1)202+2 + 202+3 = (42+4x+1) 02+ = (42+4x+1) 02+2 Sub Litts and RHS (4x2 + 4x+3) 8x2+x = (2x+1) 2+x (2x+1)+2(2x+2) = (252+1) (2542) (254Jy"= y' (2x+)+ 2y y" - y' (2x+1) - 2y = 0 let y" = w V=1 V' = 0 U=y 01 = y (nt2) 1st w= 4 (200+1) Jn = -4x4

Sales Orth + Weeks + War D Mas An 1=-2 yido = 9°-2+0 = -29° gnt2 - gnt2 - gnt1 (2x+D+2n(-y^2)-2y^2 gnt2 - gnt1 (2x+D+2n(-y^2)-2y^2=0 gnt2 - gnt1 (2x+D-2y^2 (n+D-0) gnt2 - gnt1 (2x+D-2y^2 (n+D-0) $y = 2^{3}e^{4x} \quad f_{n} y^{5}$ $v = 2^{3}e^{4x} \quad f_{n} y^{5}$ $v = 2^{3}e^{4x} \quad f_{n} y^{5}$ $y'' = 256e^{4x} \quad y'' = 6x, v''' = 6, v'' = 0$ $y'' = 256e^{4x} \quad y'' = 1624e^{4x}$ $y'' = 0^{2}v + nv''' + n(n-1)v''^{2}v' + n(n+1)(n-2)v''^{3}v''^{3}$ $y'' = 3^{2}v'' + nv'''' + n(n-1)v''^{2}v'' + n(n+1)(n-2)v''^{3}v''^{3}$ + nG-DG-200-300-14 = 1024e4x(23) + 156(3566x) +60e(64e4x) + 36(1686x)
= x26 2484x + 2 54563700e4x + x3840e4x + 960e4x
= 6464x (16x2 + 60x2 + 60x + 15)4 x + x / x + y = 0 lot w= xy v"=2, v"=2, v"=0 U=y", un=y n+2 107 = 07v + n0m-1v1 + n(n-D6-2v+ n(n-D6-26-2v

