Mart MyDade System Simulation Midderm Problem 1

A) zero at z: = o(2)= B22+B, 2+B=0 WM → explicit, [Be:0]

¬ → μβ, +β.=0 nced 3 lamberts equations; Co= N2+0,+00=0 - Yaz=1 second order \$ 7 0x + 0x = -1 C: 202+ d, -B, -B, -B, =0 C2: 2 α2+2 α, - 2β, - β, - 0 A -> = N, - B, = 2 Solve 4×4 system of equations with A to get

N=1, \alpha = -\frac{16}{11}, \alpha = \frac{5}{17}, \beta = 0, \beta = \frac{14}{17}, \beta = \frac{7}{11} Hp(z): T(1/1 2 - 3) 72-167+5 B) same equations as above, This time not setting /32 =0, Thus adding another lambert equation: C3 = + 6 x, - 2 B2 - = B, = 0 solving the 5x5 similarly as before to get: