Sany Chakeadoonty The same 214103321 Assignment 10 But I with a life of n" = n sint +n' cost - exp (t) Replacing, ~ " = 1 [Ni+1 - 2Ni + NIAI] n' = 1 [xi+1 - xi-1] [at, xi, ti] Putting these is the given equation, 5 1 1 2 [Nit - 2n + Nit] = Nisinti+ 2n [Nit - Ni-1] costi 5 $\Rightarrow \text{ min} - 2\text{ min} = h^2 \times \text{ min} + \frac{h}{2} \left[\text{min} - \text{min} \right] \text{ ext}$ $- h^2 \exp(\text{ti})$ $-h^2 \exp(ti)$ $\Rightarrow \min\left[1-\frac{h}{2}\cos t;\right] + \pi i\left[-2-h^2\left(-\frac{h^2\sin(ti)}{2}\right)\right]$ -P Ni-1 $\left[1+\frac{h}{2}\cos ti\right]=-h^2e^{x}p(ti)$ $C_i = 1 - \frac{h}{2} \cos t_i$ No = 0 & Now let. $di = -2 - h^2 \sin t;$ 2hn = 1. $\alpha_i = 1 + \frac{h}{2} \cos t_i$ & bi = - h2 exp(5) >> C1 ×2 + d, ×1 + 9, ×0 26, => dn, + anz = 6, -a, mo => d=== 1 - d2 M2 T C2 N3 = b2 2 = 1

Solver this equipment only of the matrix
solver and get the solution M, M2...; Mnat t, t2..., tm-1.