24-212-(M2-1) = + in (MX) (24 - 22 u) o (x) dx = (m2-1)e-tilox) o (x) dx 24 p(x)dx - 3x p(x) + 1 3x p'(x)dx $\int_{-2\pi}^{2\pi} \frac{\partial u}{\partial t} \phi(x) dx + \int_{-2\pi}^{2\pi} \frac{\partial u}{\partial x} \phi(x) dx = \int_{-2\pi}^{2\pi} (1^{2} - 1) e^{-\frac{1}{2} \sin(\pi x)} \phi(x) dx$ 24 = 2 du p.(x) U 2x = 2 U(+) p:(x) =7/M/4+ a3+ Ku=+F Un+1=(++Ku")MD++U" Update Figuration (Forward Euler) Update Equation (Backward Euler) M/40-40-1) + Kun = F => M(400-10)+Kun = E Unit (AM) +1K)= = + + + Mun > 4m= (A) +1+10 (free to Mun)