h | d, 0) = 1 = 1 [[a] . (or | c = x) - Keweie equation: Wxx = WH7 Boundarie: ud 0,+) = 0, ha(1,+)=0 The instead values _ we(x,0) 20 (no displacement) - w+(a,0) = N= ((a). (00) (2Ta) 11) T. 101 X'= 11,x 1 N $= \frac{T''(b)}{T(t)} = \frac{X''(b)}{X(a)} \stackrel{(a)}{=} \frac{1}{T''(t)} = -\lambda, \frac{X''(a)}{X(a)} = -\lambda$ 5/07/68 00. Q" (N + L.XIX) = 0 -> Ayor bundows: X'(0) =0, 0'(1)=0 initudor lessos c-X(a)= Acon(VI a)+Bn=(Vy a) = (a) = - AVI N- (VI) + B. VY. (8) (Vyx) ot a = 2 x B (L = 0 (2) (3=0) impord: T"(+)+ LT(+)=0 [] T (+)+ Now . T (+) =0 2) T(t)= (. (0) (mtt) + D sim (mtt) des de que es volution :s. (1x,+) = \(\langle (0) \cos (mita. +) + + m. nim (m. \ta. +) \) (0 (m \ta. +) beginnes saso -) w(x,t) = { fm. m= (mx 1). was (mxt) at 1=0 -, ~ (a, 0) = & ~ # + ~ (m / a) () = 2 ... | 8 (a) . cos (max a) da