$$\mu(n,0) = Q$$
 $\mu(-\tau_l t) = \mu(\pi_l t)$

$$M = XT$$

$$kTX'' = XT$$

$$X'' = T' = -1^{2}$$

$$\mathcal{J}_{u} = \mathbf{x} = \mathcal{J}_{u} |_{u=1}$$

$$\mathcal{L} = \mathbf{x}$$

$$\mathcal{L} = \mathbf{x}$$

$$\mathcal{L} = \mathbf{x}$$

$$\mathcal{L}'' = \mathbf{x}$$

M(n/t)= enlet (Dosla + Esla) $\mu(-\pi,+) = \mu(\pi,+)$ $\frac{-\kappa \ell^2 t}{\ell} \left(\int col \pi + \mathcal{E} L L L L L \right) = \frac{-\kappa \ell^2 t}{\ell} \left(\int ce(\ell L L) + \mathcal{E} L (-L L L) \right)$ Dystil + Erenlit = Dystil - Esenlit 2E lu = 0 E = 0 ou 1 = n who

24 = Lulit (-Dl senlit + 5l coslit) $\frac{\partial u}{\partial n}|_{n=-11} = \frac{-k l^{c+}(-Dls-\pi l+\varepsilon l cs-\pi l)}{2}$ Desenta + El costa = +Dl 1 la + Ekosta 2 De Sentit = 0

D=0 on $lit=n\pi$ l=n muluis

Portonto b) D=0 e l=n mtus 1545b) 6=0 e l=n mtus 1545c) a(n,t)=1 (a(n,t)=1) a(n,t)=1 (a(n,t)=1) a(n,t)=1

X11 = 0 2)X=Ax+B M=Dn+E $\mu(T_1+) = \mu(-T_1+)$ \Rightarrow DT + D = -DT+DTM= = ct

3) 12 >> terns Nol brind Portetto a folloger é combinais finar des sals obtides é assis M(n,t) = Az + EAnl Conn + Bnl I-na n=1 Como Condução de contomo

$$\mathcal{M}(n,0) = \alpha$$

$$A_0 = \frac{1}{|T|} \left[e dn = \frac{e}{|T|} \left(T - (-iT) \right) - 2e \right]$$

$$B_n = \frac{1}{|T|} \left[e dn = \frac{e}{|T|} \left(T - (-iT) \right) - 2e \right]$$

$$B_n = \frac{1}{|T|} \left[e dn = \frac{e}{|T|} \left(T - (-iT) \right) - 2e \right]$$

$$= -e \left(conti - cos(-nt) \right)$$

$$Conti - cos(-nt)$$

An- I Commèn - a summer l'il

Portoto M(n,t)=a