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Метов на фурме за уренненчето на точно проводность,
(*) u_t = a^2 u_{xx} b \Omega = b 0 \leq x \leq e, 0 \leq t \leq T
 L>0, T>0 (KOHCTEHTY)
3 eleve me Asepuxne se Jpehnemiero na Touroupohoduocino
 Pemaherne (x) boll, Kobero
         u(a,0) = 4(a), 0 = x < e, u(0,t) = u(e,t)=00 = 6 = 1
                                            Obenecyhone
        4 E C1 [0, e] - Jonohus 39
             4(0)=4(e)=0
                                                 or bulle u(x,t) = X(x) T(t)
Merel He offine Topcum pemerre
Benechene b (x) y nongreheme
                                                 3 ale re Mygpu-leyhur
 \frac{T'}{q^2T'} = \frac{X''}{X} = \lambda
                          -> CTUTOME BO
                     -> X(0)= X(e) = 0 (07 ponumoro y cnohue)
  \chi'' - \chi \chi = 0
Tem sedera overe a penneherme He upednote Jupen (ruenue.)
\chi_{k} = -\left(\frac{k n}{e}\right)^{2} + \chi_{k}(\chi) = \sin\left(\frac{k n}{e}\chi\right)
                                                     T-a2xxT=0
 39 Spyrero Fireherre 39 To morgraherre

=> TK|H= CK & Et
 nongrehene jemethre = 92 kg t

y (xit) = ZCKE . Sin kg x
   Cx = 2 genssinkers) dx
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