2) wormterge, It wants = ar . Ju. . w (x, t) \_\_\_\_ condition (u, l) = wp(a) + wp(x, t) \_\_\_\_\_ sheiding du verable like . w( m,+) = X( n). T(+) => Tx = a. x".T  $\frac{T'}{T} = \alpha^2 \cdot \frac{\alpha''}{\alpha} = 0$   $\frac{T'}{\pi} = \alpha^2 \cdot \sigma \cdot T$   $\frac{\pi''}{\pi} = \sigma \cdot X$ Zoel and homogene visen. X": 5.x, Pines ( azo) bellen we sommen, noted divided. dus loopæk gerolle van o. 1) 5'70: X,(x) = C1. & +(2.8 13 a =0 : ar(a) = c1 + c1 a if a co: 0 3( ) c Cr (0) ( pr) + co. 15- ( pr) map y = -0 Van ar (a) en aclas sign cren creo voor de road voor voorghe Naov of 3/4/ Ninger nonou a = 0 -> C'=0 ! pm hoor a= F X3(x) x=L => k. Ce. ca(kel) =0 0 (or (kl) =0 ) u(1,1)=0 1 => Via maple younged &= IT. (2m+1), specified con imm ع، ( المدمع) عن مح -(α κ (amin)) +

-(α κ (amin)) +

-(α κ (amin)) + Stuck di'd in: de afance homogrene ophosing in du ( o wonte heeft enkel sm.)

Lapon of a formation of the foreal of the formation of the formation of the formation of the for \_ Nu kijher we noon inhomoglow. u(o,t) = 10 ] U(L,+) = 0 (insulated boundary) once apparent in many = whinty + exp (n) - upla = To dus A = B(0) = To => A = To 7 mp (1) =0 -> d (A+0a) = B = 0 dun up (a) = To On total glassing: \_ well no werethe dad u(a,1) =3(a) 1x38(00) = \( \int \) nm. nim ( 11) + 10 c= 8(a) - 10 = 2 vw.vi~(1) (2, \( (8(w) - 10) vim (") = vw. \( \frac{5}{5} \) (2) 2. \[ (8(9) - 10) vi~ (1) = vw \_\_\_\_\_ (;....ie). ah to a dam brigging Rake To!