Denobor bapuaguesanow acrucremus

1) Tepexog am nomercuoco rucaa emenences chosogoe

x decuonercuocey. D-ceena namencemuce physican Ling Agi Li = 1/2-1Ayi U= Vint + Vext - horeuare nomengeraneuro suffrence  $U_{int} = \frac{m-1}{2} PAL_{i}, \quad \Delta L_{i} = L_{i} - L_{i}^{(0)} = 1/h^{2} + 1/y_{i}^{2} - h$  $\Delta g_i \ll h$   $\Delta l_i = h \left( \frac{1}{1 + \frac{1}{2} + \frac{1}{2}} - 1 \right) \approx h \left( \frac{1}{1 + \frac{1}{2} + \frac{1}{2}} - 1 \right) = h$  $\frac{2h}{2h} = \frac{1}{2h} \sum_{i=1}^{h-1} 4y_i^2 = \frac{1}{2h} \sum_{i=1}^{m-1} (y_i - y_{i-1})^2$ U(y2, y2,..., yn-1) = 2/ 2/ (yi-yi-1) - 5/ Fiyi  $\frac{\partial \mathcal{E}}{\partial y_{k}} = 0, \quad k = 1, 2, \dots, h-1$ 2 (2h (yx-1)2+2h (yx+1-9x)2-Fxy = 0 P (yk-yk-1) - Fk = 0 P (24x - 4x-1-4x+1) = Fx - (gk+1- 29k +9k-1) = 5k1 Bagara: FizF=Ponst L (gi+1-24i + gi-1) = -F yi+1-290 + 91-1 = - hF 42-241 = - Fh D 42-41 = - Fh D 42-41 = - Fh  $y_3 - 2y_2 + y_1 = -\frac{Fh}{p}, y_3 - y_2 = -\frac{Fh}{p} + y_2 - y_1 = -\frac{2Fh}{p}$  $y_4 - 2y_3 + y_2 = -\frac{Fh}{D}, y_4 - y_3 = -\frac{Fh}{D} + y_3 - y_2 = -\frac{Fh}{D}$ Deti-1-24i+4c-1

Liti-24i+4c-1

Liti-24i+4c-1

Liti-24i-1

Liti-1-24i-1

Liti-1-24i-1 Find P(x)  $\int \mathcal{Y}''(x) = -\int \mathcal{D}(x)$ y(0) = g(0) = 0 $y'' = -\frac{f_0}{f} \qquad y'(x) = -\frac{f_0 x}{f} + C_1$   $y(x) = -\frac{f_0 x}{2f} + C_1 x + C_2$  $y(0) = l_2 = 0$ ,  $y(l) = -\frac{l_0 l}{2p} + c, l = 0$   $l = l_0 l$  $y(x) = \frac{f \circ l x}{2p} - \frac{f \circ x}{2p} = \frac{f \circ x(l - x)}{2p}$  $U(y_1,y_2,\ldots,y_{n-1}) \longrightarrow U(y_1)$ up. Opinique ona econo SIJ napoebaema e emograne -nue nenomphow houcea fynnique y=g(x), x ∈ Ia, b J na ecenolice embo benjecim bennoex (nonnemann) rucen.