(2) D-B: U/x) = /(x-S) in U/S) ds + ex uneer ! pecu. U/a Class D-60: A Aula)= Jla-simulsids + e = -> A: (10,13-> (10,13 1/Au- dolleigis = mare / J(x-s) in u(s) ds - J(x-s) con v(s) ds | -= mare / S(x-s) (rinu(s) - sin v(s)) ols | = mare sin v(s) - sin v(s) ds 1/20-5/2/4-0/ds = mare /(2-5)2 ds //4-0//ciais = [602-200 +52) ds. 1/4. VIIcio,13 = mare (205-252+ 51) 1/4- VIIciq? = mare (2 -2 +3) 1/4-01/cro,12 = 31/4-01/cro,12 => 2 persence u and !

3) D-B: $\begin{cases} x = \frac{1}{3} \sin^2(\pi - y) + 1 \\ y = \frac{1}{4} \cos^2(\pi - y) + 2 \end{cases}$ Under ! paineume.

2- Co: = |3 hin2/2-y) - 13 hin2(4-0) | + |4 cos2(2+y) + 4 cos2(4+0) | = = 3 (nin (xe-y) - sin(u-v)) (sin (x-y) + sin (u-v)) + (cos(x+y) - cos(u+v)) (cos(x+y) + cos(u+v)) = 3/2. In 2 . cos 2 2 2 in 2 . cos 2 +3 2 &in 2 . sin 2 + 2. cos 2 · cos 2 | = 3/ Lin(2-y-40) · Lin(2-y+4-2) | + 3 | sin(2+y+4) · Sin (x+y-u-v) = 3 | sin /x-y-u+v) | + 3 | nin (x+y-u-v) = 3 |x-y-u+v| + $\frac{1}{3} |x - y - u - v| \le \frac{1}{3} |x - u| + \frac{1}{3} |x - u| + \frac{1}{3} |y - v| = \frac{2}{3} |x - u| + \frac{1}{3} |y - v| = \frac{2}{3} |x - u| + \frac{1}{3} |y - v| = \frac{2}{3} |(x - u)| + |y - v|) = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac{2}{3} |(x - u)| + |y - v| = \frac$ cacun exorp 3! persence 450

· D-13: yp-ne Bonsteppa unees ! pemenne +L u + [to, 1] \$-60: 17/K(t, s, u(s)) - K(t, s, v(s)) / = L/u - v/ -Au(1) = JK(1, s, u/s))ds + f(1) |Au(t)-As(t)| = | [K(t,s,u(s)) - K(t,s,v(s))]ds | =] | K(t,s,u(s)) - K(t,s,v(s))| < L / /u(s) - v(s) los = L/1/u-v/lciqu /ols = L(t-to)//u-v/lciqu (*) |A'u(t)-4'v(t)| = | [K(t, s, Au(s)) - K(t, s, Av(s)) | ds | = [| Au(s)-Av(s) | ds = = \6 cury (4) \ = L2/14-5/1ciq13 \((s-to)ds = 212/4-to)2/14-5/1ciq13 => ecne npodonneum Denais Takue ogenku, TO nongrum: $\left| A^n u(t) - A^n v(t) \right| \leq \frac{L^n (t-to)^n}{n!} || u - v||_{C(0,1]} \Rightarrow npu \ \ \ \, \int \int \frac{L^n (t-to)^n}{n!} || u - v||_{C(0,1]} = \sum_{n \neq 1} \frac{L^n (t-to)^n}{n!}$ -> Ап - спинающие -> 7! решение урия Вольтерра. O D-73: npu ≦-laijl≤ Olaiil +in, Oct cyngesbyer pensenne $\frac{2}{3}a_j x_j = k_i$ $\frac{2}{3}a_j x_j = k_i$ $\frac{2}{3}a_j x_j = k_i$ $\frac{2}{3}a_{ij} x_j = k_i$ $\frac{2}{3}a$ 17 Az = Bz + C => g(Az, Aze) = mare / 2 ai z'i - ai - 2 ai zej + ai = $\max_{i \in N} \left| \frac{x_{ij}}{z_{ii}} \left(\frac{x_{ij}}{z_{ij}} - \frac{x_{ij}}{z_{ij}} \right) \right| \leq \max_{i \in N} \frac{x_{ij}}{z_{ii}} \left| \frac{a_{ij}}{z_{ij}} - \frac{a_{ij}}{z_{ij}} \right| \leq \sum_{i \in N} \frac{a_{ij}}{z_{ii}} \left| \frac{a_{ij}}{z_{ij}} - \frac{a_{ij}}{z_{ij}} \right| \leq \sum_{i \in N} \frac{a_{ij}}{z_{ii}} \left| \frac{a_{ij}}{z_{ij}} - \frac{a_{ij}}{z_{ij}} \right| \leq \sum_{i \in N} \frac{a_{ij}}{z_{ii}} \left| \frac{a_{ij}}{z_{ij}} - \frac{a_{ij}}{z_{ij}} \right| \leq \sum_{i \in N} \frac{a_{ij}}{z_{ii}} \left| \frac{a_{ij}}{z_{ij}} - \frac{a_{ij}}{z_{ij}} - \frac{a_{ij}}{z_{ij}} \right| \leq \sum_{i \in N} \frac{a_{ij}}{z_{ii}} \left| \frac{a_{ij}}{z_{ij}} - \frac{a_{ij}}{z_{ij}} - \frac{a_{ij}}{z_{ij}} \right| \leq \sum_{i \in N} \frac{a_{ij}}{z_{ii}} \left| \frac{a_{ij}}{z_{ij}} - \frac{a_{ij}}{z_{ij}} - \frac{a_{ij}}{z_{ij}} \right| \leq \sum_{i \in N} \frac{a_{ij}}{z_{ii}} \left| \frac{a_{ij}}{z_{ij}} - \frac{a_{ij}}{z_{ij}} - \frac{a_{ij}}{z_{ij}} \right| \leq \sum_{i \in N} \frac{a_{ij}}{z_{ii}} \left| \frac{a_{ij}}{z_{ij}} - \frac{a_{ij}}{z_{ij}} - \frac{a_{ij}}{z_{ij}} \right| \leq \sum_{i \in N} \frac{a_{ij}}{z_{ii}} - \frac{a_{ij}}{z_{ij}} - \frac{a_{i$ \(\lambda_{ij} \| \lambda_{ij} \| \leq \text{O} \| \alpha_{ii} \| \leq \text{O} \| \frac{1}{j \dista_{i}} \| \leq \text{O} \| \frac{1}{j \dista_{i}} \| \leq \text{O} \| (3) Of(x, xx) => 3 peurenne (4) \$\frac{1}{2} = \frac{1}{2} (\langle \alpha^2) + \frac{1}{2} \tag{\langle \alpha^2} + \frac{1} \tag{\langle \alpha^2} + \frac{1}{2} \tag{\langle \alpha^2} + unei ! peurenne $\frac{1}{2} - \frac{1}{2} = \frac{1}{2} \frac{1}{2}$ Orpevenue uppry na 11 carryonymu odpason : 11(8)/1 = mare {11411co,12, 1101/40) (2 mare (1/4/22) + v(x2) - 5(x2) - 5(x2) / (con, 1/4/23) - v(x3) - 5(x3) + 5(x3) / (co,1) 5 5 = mare { ||4/23 - 5/24) | + || v(x2) - 5(x3) ||ccen , ||4(x3) - 5/23 ||ccen + ||v(x3) - ||v = 2 mare }