Currentin Sarrap 3 upre 2 yrgum Salopanopena judoma vil Аптронишьский, уститивний, спориминый. Спитуранный призначе Jerroundsinu Kannsus Boquaum 14, m. c. 4. 1. $\frac{\partial u(n,t)}{\partial t} + \alpha \frac{\partial u(n,t)}{\partial n} = q(n,t)$ $L_{n}(n) = \frac{n_{n}^{n} - n_{m}^{n+1}}{T} + a \frac{n_{m+1}^{n} - n_{m}^{n}}{T} = Q(n, t);$ $Sf^{(h)} = \frac{u(x_m, t_m) - u(x_m, t_{n-1})}{T} + \lambda \frac{u(x_{m+1}, t_n) - u(x_m, t_n)}{T} - \varphi(x, t);$ $u(\kappa_m, t_{n-1}) = u(\kappa_m, t_n) - \frac{\tau}{1!} \frac{\partial u(\kappa_m, t_n)}{\partial t} + \frac{\tau^2}{2!} \frac{\partial^2 u(\kappa_m, t_n)}{\partial t^2}$ $N(n_{m+1},t_n) = N(n_m,t_n) + \frac{h}{1!} \frac{\partial n(n_m,t_n)}{\partial n} + \frac{h^2}{2!} \frac{\partial^2 n(n_m,t_n)}{\partial n^2}$ $Sf(h) = N(n_m,t_n) + \frac{C}{1!} \frac{\partial N(n_m,t_n)}{\partial t} - \frac{T^2}{2!} \frac{\partial^2 n(n_m,t_n)}{\partial t^2} - N(n_m,t_n) - N(n_m,t_n)$ $= \frac{n(n_m,t_n)}{n} + \frac$ $\frac{h}{11} \frac{\partial \mathcal{U}(\mathcal{R}_m, t_n)}{\partial x} - \frac{h^2}{2!} \frac{\partial^2 \mathcal{U}(\mathcal{R}_m, t_n)}{\partial x^2} - \mathcal{U}(n, t);$ $Sf^{(k)} = \frac{\partial u(x_m, t_n)}{\partial x} - \frac{\tau}{2} \frac{\partial^2 u(x_m, t_n)}{\partial t^2} - a \left(\frac{\partial u(x_m, t_n)}{\partial x} + \frac{h}{2} \frac{\partial^2 u(x_m, t_n)}{\partial x^2} \right) - 4(x, t);$ $\delta f^{(\lambda)} = \frac{\partial n(x_m, t_n)}{\partial t} - \frac{\tau}{2} \frac{\partial^2 n(x_m, t_n)}{\partial t^2} - a \frac{\partial n(x_m, t_n)}{\partial x} - a \frac{\lambda}{2} \frac{\partial^2 n(x_m, t_n)}{\partial x^2} - \ell(x, t)$ $Sf^{(h)} = -\left(\frac{\tau}{2} \frac{\partial^2 n(n_m, t_n)}{\partial t^2} + \alpha \frac{h}{2} \frac{\partial^2 n(n_m, t_n)}{\partial n^2}\right) /$ $||\mathcal{S}f^{(h)}||_{F_h} = \max\left|\frac{\mathcal{I}}{2}\frac{\partial^2 n(x_m,t_n)}{\partial t^2} + \alpha \frac{h}{2}\frac{\partial^2 n(x_m,t_n)}{\partial x^2}\right| \leq \frac{\mathcal{I}}{2}\mathcal{M}_{\mathcal{I}} + |\alpha| \frac{h}{2}\mathcal{M}_{\mathcal{X}};$

 $\frac{n^{n+1} - n^n}{m} + n \frac{n^n - n^n}{2h} = \frac{n^n}{2} \frac{n^n + n^n - 1}{h^2} = 0$ $\frac{n_{m+1}^{n} - n_{m-1}^{n}}{2h} + \frac{n_{m+1}^{n+1} - n_{m}^{n}}{2} = \frac{n^{2}}{2} + \frac{n_{m+1}^{n} - 2n_{m}^{n} + n_{m-1}^{n}}{2} = 0$ $n_{m+1}^{n} = n_{m-1}^{n} - \frac{2h}{2a} (n_{m}^{n+1} - n_{m}^{n}) + \frac{2n^{2}h^{2}}{2ah^{2}} (n_{m+1}^{n} - 2n_{m}^{n} + n_{m-1})$ $r = \alpha \frac{\tau}{h}$ $\lambda^n e^{i\lambda(m+1)} = \lambda^n e^{i\lambda(m-1)} - 2r^{-1}(\lambda^{n+1} e^{i\lambda m} - \lambda^n e^{i\lambda m}) + r(\lambda^n e^{i\lambda(m+1)} - 2\lambda^n e^{i\lambda m} + 2\lambda^n e^{i\lambda m})$ + \neih(m-1)/ $\lambda^{n} = \frac{\lambda^{n} e^{i\lambda(m-1)}}{e^{i\lambda(m+1)}} - \frac{2\lambda^{n+1} e^{i\lambda m}}{re^{i\lambda(m+1)}} + \frac{2\lambda^{n} e^{i\lambda m}}{re^{i\lambda(m+1)}} + \frac{r\lambda^{n} e^{i\lambda(m+1)}}{e^{i\lambda(m+1)}}$ $1 = \frac{e^{i\lambda(m+1)}}{e^{i\lambda(m+1)}} - \frac{2\lambda e^{i\lambda m}}{2\lambda e^{i\lambda m}}, 2e^{i\lambda m}, 2e^{i\lambda m}$ $\frac{2r\lambda^{n}e^{i\lambda m}}{e^{i\lambda(m+1)}} + \frac{r\lambda^{n}e^{i\lambda(m-1)}}{e^{i\lambda(m+1)}}$ $\frac{e^{i\lambda(m-1)}}{e^{i\lambda(m+1)}} = \frac{2\lambda e^{i\lambda m}}{2e^{i\lambda(m+1)}} + \frac{2e^{i\lambda(m+1)}}{e^{i\lambda(m+1)}} + \frac{2re^{i\lambda(m-1)}}{e^{i\lambda(m+1)}} + \frac{re^{i\lambda(m-1)}}{e^{i\lambda(m+1)}} + \frac{re^{i\lambda(m-1)}}{e^{i\lambda(m+1)}}$ $\lambda = \frac{vei\lambda(m+1)ei\lambda(m-1)}{2ei\lambda(m+1)ei\lambda(m+1)} + \frac{v^2ei\lambda(m+1)ei\lambda(m+1)}{2ei\lambda m} + \frac{2v^2ei\lambda m}{2ei\lambda m} + \frac{v^2ei\lambda(m+1)ei\lambda(m+1)}{2ei\lambda m} + \frac{v^2ei\lambda(m+1)ei\lambda(m+1)}{2e$ 212 e i Lm * $+e^{i\lambda(m+1)}$ $+e^{i\lambda(m+1)}$ $+e^{i\lambda(m+1)}$ $+e^{i\lambda(m+1)}$ $+e^{i\lambda(m+1)}$ $+e^{i\lambda(m+1)}$ $+e^{i\lambda(m+1)}$ $+e^{i\lambda(m+1)}$ $+e^{i\lambda(m+1)}$ $+e^{i\lambda(m+1)}$ $\frac{veik(m+1)}{2eikm} + 1 + \frac{v^2eik(m+1)}{2eikm} - v^2 + \frac{v^2eik(m-1)}{2eikm} \frac{veik(m+1)}{2eikm}$ \= rein(m-1) $ve^{i\lambda(m-1)}$ $ve^{i\lambda(m+1)}$ $ve^{$ $-V^{2} = \frac{V}{2e^{i\lambda}}(1+V) + \frac{Ve^{i\lambda}}{2}(V-1) + 1 - V^{2};$ $\lambda = \frac{v}{2ei\lambda}(1+v) + \frac{vei\lambda}{2}(v-1) + 1 - v^2 = \frac{v^2e^{i\lambda}}{2} + \frac{ve^{-i\lambda}}{2} + \frac{v^2e^{i\lambda}}{2} + \frac{ve^{i\lambda}}{2} + 1 - v^2;$ $\chi = r^2 \cos(2) + r^2 \sin(2) + 1 - r^2 = 1 - 2r^2 \sin^2(\frac{1}{2}) - r^2 \sin(2)$ $|\lambda|^2 = (1 - 2r^2 \sin^2(\frac{1}{2}))^2 + r^2 \sin^2(\lambda) = 1 + 4r^2 \sin^4(\frac{1}{2})(r^2 - 1);$ Yurkue $|\lambda| \le 1 < |x|^2 > 0$ bunoiners, ever $x \le 1$. One re turnouners, m. e. mens ne ganvirula, en 1 > 1.