Numerical solutions to the model for large λ $\lambda = 10$ $\lambda = 10$ $\overline{m} = 0.5$ $\overline{m} = 0.1$ $\overline{m} = 0.9$ c = 0.714c = 0.604c = 1u(x, t), m(x, t) u(x, t), m(x, t) 2.0 2.0 u(x, t), m(x, t) 50 75 100 125 150 175 200 25 75 100 125 150 175 200 25 50 75 100 175 200 $\lambda = 10^{3}$ $\lambda = 10^{3}$ $\lambda = 10^{3}$ 1.0 1.0 1.0 $\overline{m} = 0.5$ $\overline{m} = 0.9$ $\overline{m} = 0.1$ c = 0.602c = 0.998c = 0.745u(x, t), m(x, t) c.o u(x,t), m(x,t) u(x, t), m(x, t) .o 0.0 0.0 50 100 125 150 175 200 50 75 100 125 150 175 200 25 50 100 125 150 175 $\lambda = 10^{5}$ $\lambda = 10^{5}$ $\lambda = 10^5$ 1.0 1.0 1.0 $\overline{m} = 0.1$ $\overline{m} = 0.5$ $\overline{m} = 0.9$ c = 0.996c = 0.746c = 0.599u(x, t), m(x, t) .o u(x, t), m(x, t) .o u(x, t), m(x, t) 0.0 100 125 150 50 75 100 125 150 175 200 25 50 75 175 200 25 50 75 100 125 150 175 200 $\lambda = 10^{7}$ $\lambda = 10^{7}$ $\lambda = 10^{7}$ 1.0 1.0 1.0 $\overline{m} = 0.1$ $\overline{m} = 0.5$ $\overline{m} = 0.9$ c = 0.993c = 0.597c = 0.746u(x, t), m(x, t) u(x, t), m(x, t) c.o u(x, t), m(x, t) 5.0 0.0 100 X 75 100 125 150 175 200 25 75 125 150 175 200 75 100 125 150 175 200