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We investigate the global behavior of a quadratic second order difference equation

$$x_{n+1} = Ax_n^2 + Bx_nx_{n-1} + Cx_{n-1}^2 + Dx_n + Ex_{n-1} + F, \quad n = 0, 1, \dots$$

with non-negative parameters and initial conditions. We find the global behavior for all ranges of parameters and determine the basins of attraction of all equilibrium points. We also give all possible bifurcation for this equation. (Received September 16, 2013)