The general discrete population model with delay $x_{n+1} = a_n x_n + \lambda h_n f(x_{n-\tau(n)})$ is studied, where $a_n, b_n : \mathbb{Z} \to \mathbb{R}$ and $\tau(n) : \mathbb{Z} \to \mathbb{N}$ are $\omega$-periodic. Using the Krasnoselskii fixed point theorem, the authors obtain various conditions on $f$ which guarantee that the equation has at least one solution and two solutions, respectively, for a range of $\lambda$.

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- 92D25 Population dynamics (general)

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