## On the Positive Solutions of Discrete Equations in Infinite Interval

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The following difference equation

$$\Delta u(k) + \sum_{i=1}^{m} p_i(k)u(\tau_i(k)) = 0,$$

are considered, where

$$\Delta u(k) = u(k+1) - u(k), \quad p_i: N \to R_+, \quad \tau_i: N \to N, \quad \tau_i(k) \le k-1 \text{ for } k \in N \text{ and}$$
$$\lim_{k \to +\infty} \tau_i(k) = +\infty, \qquad (i = 1, \dots, m).$$

In the work sufficient conditions are established for all solutions of the above equation to be oscillatory.