

## Oscillation Criteria for Difference Equations with Several Delay Arguments

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Consider the following difference equation

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

where  $m \in N$ ,  $p_i : N \rightarrow R_+$ ,  $\tau_i : N \rightarrow N$ ,  $\tau_i(k) \leq k - 1$ ,  
 $\lim_{k \rightarrow +\infty} \tau_i(k) = +\infty$  ( $i = 1, \dots, m$ ) and the difference operator is defined  
by  $\Delta u(k) = u(k + 1) - u(k)$ . New oscillation criteria of all solutions are  
established.