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Let G be a simple graph with edge set $E(G) = \{e_1, e_2, \dots, e_q\}$. A *Stanton G* is a graph SG obtained from G by replacing e_i with i parallel edges for $1 \leq i \leq q$. If $G \cong C_4$, then SG is called a *Stanton 4-cycle* and is denoted by SC_4 . For each integer $v \geq 4$ and each of the three non-isomorphic SC_4 , we find the smallest positive integer λ such that there exists an SC_4 -decomposition of the λ -fold complete graph on v vertices. (Received September 25, 2012)