

Let $k \in \omega$, Ramsey Theorem deals with colorings of k - elements subsets of ω , and its dual the Carlson- Simpson theorem deals with colorings of the k -elements partitions of ω , as well as ω elements partitions of ω . We prove a self dual infinite theorem that implies both of the above results at the same time and by an easy compactness argument we obtain its finite version namely a self dual theorem that implies both the finite Ramsey theorem and the Graham- Rothschild theorem. This finite self dual theorem is recently obtained by S. Solecki as well by a new approach to finite Ramsey theory.