We are going to define for each simplicial complex $K$, an operator $\Psi^\infty$ on the subcomplexes of $K$. If one is given a collection of spaces, closed subspaces of them, and maps of the closed subspaces to a subpolyhedron of $|K|$ that extend to maps into $|K|$, then we are going to use the $\Psi^\infty$ operator to help determine a subcomplex of minimal cardinality into which the maps can be extended simultaneously. The question (raised by A. Dranishnikov and J. Dydak) of whether the extension dimension, $(C,T)X$, has a countable representative when $X$ is compact and metrizable, $C$ is the class of compact metrizable spaces, and $T$ is the class of -complexes is an unsolved problem. We shall define an “anti-basis” for a -complex and use this along with the $\Psi^\infty$ operator to allow one to view this problem from another perspective.