A Simple Criterion for Avoiding Basing Errors.

Basing errors can only occur if a base $b$ is diminished or made an assignment target while one of the objects based on $b$ is still alive. Therefore the following restriction is sufficient (but by no means necessary) to ensure that basing errors do not occur: suppose that $b$ is a base. Let $O_i$, $1 = 1, \ldots, n$ be all the ovariable occurrences of variables based (wholly or partially) on $b$. Let $\bar{O}_j$, $j = 1, \ldots, m$ be all the ovariables such that $crthis(\bar{O}_j)$ includes one of the $O_i$. Let $x_j$, $j = 1, \ldots, m$ be the variables of the ovariables $\bar{O}_j$. We require that at each assignment to $b$ there should exist no live variable $x_j$ which is linked to $\bar{O}_j$ along an $x_j$-clear path.