

What is This Set Called?

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- *From:* roddleeh@xxxxxxx
 - *Date:* 14 Jun 2005 21:16:36 -0700
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Let S be a finite set, and let $f:S \rightarrow S$ be a function. Then consider the sequence of sets $S, f(S), f(f(S)), f(f(f(S))), f(f(f(f(S))))...$

Call the intersection of all of these X . X has the interesting property that it is the largest subset of S on which f is a permutation. Does X have a name? If so, what is X called?

----- David

To send me email, move the r from the beginning to the end of the part before the $@$ and insert "alum." at the beginning of the part after the $@$. If you are a spammer and you still foolishly use the email address with which I post, then HA HA HA. IT SUCKS TO BE YOU, for that account exists no longer.

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