# $gag the fag$ Reflexive Generalized Inverse Mathematics Stack Exchange Prove that $o a =o gag^ { 1} $ Mathematics.



Sep 26 2022 Definition G is a generalized inverse of A if and only if AGA=A.G is said to be reflexive if and only if GAG=G

I was trying to solvetheproblem If A is a matrix and G be it s generalized inverse then G is reflexive if and only if rank A =rank G Sep 20 2015 Your proof ofthesecond part works perfectly moreover you can simply omitthereasoning $ gag^ { 1} ^2=\cdots=e$ since this is exactly what you ve done in part 1 Dec 7 2011 We have a group $G$ where $a$ is an element of $G$

Then we have a set $Z a = \ {g\in G ga = ag\}$ calledthecentralizer of $a$. If I have an $x\in Z a $ how Sep 7 2024 This is an exercise in Weibel quot Homological Algebra quot chapter 6 on group cohomology. For reference this is on Page 183

Sothequestion was asking us to Dec 5 2018 Try checking iftheelement $ghg^ { 1}$ you thought of is in $C gag^ { 1} $ and then vice versa Jan 3 2019 Thestabilizer subgroup we defined above for this action on some set $A\subseteq G$ istheset of all $g\in G$ such that $gAg^ { 1} = A$ which is exactlythenormalizer subgroup $N_G A $! Jul 1 2016 I am trying to prove that $gAg^ { 1} \subset A$ implies $gAg^ { 1} = A$ where A is a subset of some group G and g is a group element of G

This is stated without proof in Dummit and Foote Disclaimer This is not exactly an explanation but a relevant attempt at understanding conjugates and conjugate classes Sep 27 2015 Let H is a Subgroup of G. Now if H is not normal if any element $ {g \in G}$ doesn t commute with H

Now we want to find if not all $ {g \in G}$ then which aretheelements of G that commute with every element of H? they are normalizer of H. i.e. theelements of G that vote yes for H when asked to commute

Hence $ {N_G H =\ {g \in G gH=Hg }\}$ Now Centralizer of an element $ {a \in G Jul 9 2015 $1 $$ gag^ { 1} ^ { 1}=g^ { 1^ { 1}}a^ { 1}g^ { 1}=ga^ { 1}g^ { 1}$ $2 $ $ ga g^ { 1}g bg^ { 1}=g ab g^ { 1}$ I m stuck at this point Is it correct so far? is.

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