

In Exercise # 2 of Chapter 11.1.5 replace the hint by the following:

HINT: Show that a matrix  $x \in \mathbf{SL}(2, C)$  is semisimple if and only if either  $\text{tr}(x)^2 \neq 4$  or else  $x = \pm I$

In Exercise #4 of Chapter 11.1.5 add the condition that  $G$  be connected. (The assertion is obviously false otherwise, as shown by taking  $G$  to be any finite noncommutative group and  $H$  the trivial group.)

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