

London Taught Course Centre

2010 Examination

Finite Simple Groups

Question

Imagine you are writing for an audience of undergraduate students, who are familiar with group theory up to the level of Sylow's Theorems and basic properties of soluble groups, but not much further.

Explain one or more variants of Iwasawa's Lemma and their role in the proof of simplicity of finite groups. Include a representative sample of illustrative cases.

R.A. Wilson April 2010