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Sylow's third theorem

Canonical name SylowsThirdTheorem
Date of creation 2013-03-22 14:00:41
Last modified on 2013-03-22 14:00:41

Owner bwebste (988) Last modified by bwebste (988)

Numerical id 19

Author bwebste (988)
Entry type Theorem
Classification msc 20D20
Related topic SylowTheorems

Related topic ProofOfSylowTheorems

Related topic SylowPSubgroup

Let G be a finite group, and let n be the number of Sylow p-subgroups of G. Then $n \equiv 1 \pmod p$, and any two Sylow p-subgroups of G are conjugate to one another.