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Nota di contenuto	""Cover""; ""Title page""; ""Contents""; ""Preface""; ""Secret sharing using non-commutative groups and the shortlex order""; ""1. Introduction""; ""2. Formal Definition""; ""3. Shamira's Secret Sharing Scheme""; ""4. Secret Sharing Using Non-commutative Groups""; ""5. Updating Relators""; ""6. Conclusion""; ""References""; ""An algorithm that decides conjugacy in a certain generalized free product""; ""1. Introduction""; ""2. Preliminaries""; ""3. The Algorithm""; ""References""; ""Classification of automorphic conjugacy classes in the free group on two generators""; ""1. Introduction"" ""2. The graph $I?()$ ""; ""3. Non-root classes""; ""4. Root classes""; ""5. Enumeration""; ""Appendix A. Table of automorphic conjugacy classes""; ""Appendix B. Number of automorphic conjugacy classes of

each type"; "Appendix C. Number of paths of each size";
"Acknowledgement"; "References"; "On elementary free groups";
"1. Introduction"; "2. The Tarski Problems and Elementary Free
Groups"; "3. Surface Groups and Magnus's Theorem"; "4. Cyclic
Centralizers and Commuting Elements"; "5. Hyperbolicity and Stable
Hyperbolicity"; "6. The Retract Theorem and Turner Groups"
"7. Conjugacy Separability of Elementary Free Groups"; "8. Tame
Automorphisms of Elementary Free Groups"; "9. Faithful
Representations in $(2, \mathbb{C})$ "; "References"; "An application of a
localized version of an axiom of Ian Chiswell"; "1. Introduction"; "2.
Questions"; "References"; "A note on Stallings's pregroups"; "1.
Introduction"; "2. Adds, Prees and Pregroups"; "3. Kushner's
Generalization of a Pregroup. T2-prees"; "4. Axiom [GLS2]"; "5.
Generalizations"; "References"; "A CCA secure cryptosystem using
matrices over group rings"
"1. Cramer-Shoup cryptosystem"; "2. A CCA-2 secure cryptosystem
using matrices over group rings"; "3. Adaptive CCA security for
matrices over group rings"; "References"; "The MOR cryptosystem
and finite p -groups"; "1. Introduction"; "2. Definitions and
notations"; "3. The MOR cryptosystem"; "4. MOR cryptosystems on
finite p -groups using α -automorphisms"; "5. The MOR
cryptosystem and elementary abelian p -group"; "6. The extra-special
 p -groups and its automorphism group"; "7. MOR cryptosystems on
finite p -groups using β -automorphisms"; "8. Conclusion"
"4. Open problems"
