

Free and Projective algebras in the variety of monadic perfect MV -algebras

Revaz Grigolia^a, Antonio Di Nola^b, Ramaz Liparteliani^c

e-mail: momxsenebeli@tsu.ge

^a Department of Mathematics, Faculty of Exact and Natural Sciences, Ivane Javakhishvili Tbilisi State University, University str., 13

^b Department of Mathematics, Salerno University

^c Department of Mathematical Cybernetics, Institute of Cybernetics, Sandro Euli str., 5

A description and characterization of finitely generated free and projective monadic MV -algebras ($MMV(C)$ -algebras) in the variety generated by monadic perfect MV -algebras is given. Finitely generated subdirectly irreducible $MMV(C)$ -algebras are described.