1056-16-1656 **Jose A. Velez-Marulanda*** (jvelezma@math.uiowa.edu), University of Iowa, Department of Mathematics, 14 MLH, Iowa City, IA 52242. *A combinatorial approach to the description of endomorphism rings.* Preliminary report.

Quivers, which are directed graphs, play an important role in the representation theory of finite dimensional algebras. If k is an algebraically closed field, then every finite dimensional k-algebra can be realized as a quotient algebra of the path algebra kQ of a certain quiver Q. We concentrate on a specific quiver Q in which each vertex is the starting point (respectively the end point) of exactly two arrows. We consider a particular quotient $\Lambda = kQ/I$ of the path algebra kQ such that all finitely generated Λ-modules can be described combinatorially by using certain words in Λ, called strings and bands. We determine all the Λ-modules associated to strings whose stable endomorphsim ring is isomorphic to k. (Received September 22, 2009)