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Angela Hicks* (ashicks@math.ucsd.edu), Department of Mathematics, University of California, San Diego, 9500 Gilman Dr #0112, La Jolla, CA 92093. *Two Bijections in the Theory of Parking Functions.*

In this talk we present two parking function bijections and describe their relationship to the Frobenius characteristic of the diagonal harmonics. In particular these bijections prove Dyck and Schröder paths recursions which combined with certain Hall Littlewood operators recursions proved by Garsia, Xin, and Zabrocki yield sharper versions of the q, t -Catalan and Schröder Theorems. (Received February 15, 2010)