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Flip Commuting Maps of the 2-Shifts.

Let (X_2, σ_2) be the 2-shift and let f be the flip map. We wish to study $Aut(\sigma_2, f)$, the group of automorphisms that commute with the flip map. We will take two perspectives to this study. First, we will construct some automorphisms in $Aut(\sigma_2, f)$ other than the shift, its powers, and the flip map. Second, we will look at how large $Aut(\sigma_2, f)$ is as an abstract group. This is done primarily by examining the shift of finite type obtained by the quotient space of (X_2, σ_2) by the action of f . (Received February 07, 2014)