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Carlos A. Di Prisco* (ca.di@uniandes.edu.co). *Ultrafilters and forcing on the space of block sequences of finite sets.*

We examine Ramsey properties of subsets of the space FIN^∞ of infinite block sequences of finite sets of natural numbers. We study ultrafilters and forcing notions related to these properties, following the lines started by Blass and Hindman and continued by Matet, Eisworth and García Ávila. We consider the localization of these properties to subsets of the space that are selective or semiselective coideals, and discuss some properties of the corresponding forcing notions. We place the results presented in the context of topological Ramsey spaces. (Received September 25, 2017)