INVERSE LIMITS OF EFFECTIVE SUBSHIFTS

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ABSTRACT. We will embark on a quest to understand the class of dynamical systems that arise as topological factors of SFTs (on a group). l will show that any zero-dimensional factor must be an inverse limit of effective subshifts, and that in some groups, every uniform inverse limit of effective subshifts can be realized as a topological factor. Furthermore, I will explore a link between the domino problem of a group and the existence of inverse limits that cannot be obtained as factors. This is based on joint work with Leo Poirier.