## Lev Bukovský, Jaroslav Skřivánek The smallest common extension of a sequence of models of ZFC

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**Abstract:** In this note, we show that the model obtained by finite support iteration of a sequence of generic extensions of models of ZFC of length  $\omega$  is sometimes the smallest common extension of this sequence and very often it is not.

**Keywords:** model of ZFC, generic extension, rigid Boolean algebra, hereditary *M*-definable **AMS Subject Classification:** Primary 03E40; Secondary 03E45