

- ▶ VERA FISCHER, *The consistency of $\mathfrak{b} = \kappa < \mathfrak{s} = \kappa^+$* .
Kurt Gödel Research Center for Mathematical Logic, University of Vienna, Währinger
Strasse 25, 1090 Vienna, Austria.
E-mail: vfischer@logic.univie.ac.at.
URL Address: <http://www.logic.univie.ac.at/~vfischer/>.

In 1984 S. Shelah showed the consistency of $\mathfrak{b} = \omega_1 < \mathfrak{s} = \omega_2$ using a proper forcing notion of size continuum. In [1] we construct a σ -centered suborder of Shelah's poset which behaves very similarly to the larger forcing notion. Thus under an appropriate finite support iteration of length κ^+ , for κ arbitrary regular uncountable cardinal, we obtain the consistency of $\mathfrak{b} = \kappa < \mathfrak{s} = \kappa^+$.

[1] V. FISCHER, J. STEPRĀNS, *The consistency of $\mathfrak{b} = \kappa < \mathfrak{s} = \kappa^+$* , *Fundamenta Mathematicae*, vol. 201 (2008), no. 3, pp. 283–293.