VERA FISCHER, *The consistency of* $b = \kappa < s = \kappa^+$.

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