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*Connections Between the Number of Constituents and the Derived Length of a Group.*

I will focus on bounding the derived length of a finite solvable group  $G$  in two different situations. I will consider an irreducible character  $\chi$  of  $G$  and study the case when  $\chi\bar{\chi}$  has two nonprincipal irreducible constituents and the case when it has three nonprincipal irreducible constituents. In the first case, I will provide the best possible bound. In the second case, I will provide a bound for the derived length of  $G$ . I will also provide a theorem that will yield a starting point when looking for other examples. (Received September 07, 2016)