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**Giulio Caviglia**, 150 N University St, West Lafayette, IN 47907-2067, and **Manoj Kummini\***,  
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Functions*. Preliminary report.

Let  $R$  be a standard graded algebra over a field. We look at embeddings of the poset of Hilbert functions of ideals of  $R$  into the poset of ideals of  $R$ , as a way of classifying the possible Hilbert functions for ideals of  $R$ . (Received February 19, 2010)