

## COS 511: Theoretical Machine Learning

Hint on HW#2, problem 2

Spring, 2018

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To get started, fix  $g_1, \dots, g_n$ , and count how many behaviors can be realized on any set of  $m$  points by functions  $h$  of the form given in the problem (with  $f$  varying, but  $g_1, \dots, g_n$  fixed).