CMSC 652 HW 11. MORALLY due May 13 HOWEVER see below

There is no class on May 15, but I will be here. I'll want it given to me or under my door by 4:30 that day.

ADVICE: The HW isn't that hard so just do it.

(100 points) Find a function $f(k)$ such that the following is true AND prove it:

Finding the MAX of n numbers in k rounds can be done with roughly $n^{f(k)}$ comparisons-per-round; however there is no algorithm that does better.