What is the correct ordering of growth rates for the following functions:

f(n) = n(logn)^2

g(n) = nlog2n

h(n) = nlog(logn)

h > g > f
h > f > g
f > h > g
g > f > h
g > h > f
f > g > h

f simplifies to 2nlog(n)
g simplifies to n^log(n)
h I have no clue.

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Subject: Re: Question 13
Posted by jarobinson3 on Mon, 23 Jan 2017 20:07:56 GMT

f and g cannot be simplified, g simplifies to n^2.