What is the correct ordering of growth rates for the following functions:
f(n)=n(logn)^2
\[ f(n) = n \log^2(n) \]
g(n)=nlog2ng(n)=nlog2n
\[ g(n) = n \log_2(n) \]
h(n)=nlog(logn)h(n)=nlog(logn)
\[ h(n) = n \log(\log(n)) \]
\[ h > g > f \]
\[ h > f > g \]
\[ f > h > g \]
\[ g > h > f \]
\[ f > g > h \]

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

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