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

- $f(n) = n(\log n)^2$
- $g(n) = n^{\log_2 n}$
- $h(n) = n^{\log(\log n)}$

Options:
- $h > g > f$
- $h > f > g$
- $f > h > g$
- $g > f > h$
- $g > h > f$
- $f > g > h$

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

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

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