Tuesday, March 1, 2022 12:24 PM

(23) If $f(x) = \log_{x}(\log x)$, then f'(x) at x = e is ______

Solution:

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at
$$x=e$$
, we get \Rightarrow $f'(e) = \frac{\left[1 - \log e(\log e^e)\right]}{(\log e^e)^2} = \frac{1}{e}$