

2012年理工B方式第2問

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 次の定積分を求めよ.

$$(1) \int_{\frac{1}{2}}^2 x \log x \, dx = \frac{\boxed{\text{コサ}}}{\boxed{\text{シ}}} \log \boxed{\text{ス}} - \frac{\boxed{\text{セソ}}}{\boxed{\text{タチ}}}$$

$$(2) \int_0^2 (x^2 + 2x + 3) \log(x + 1) \, dx = \boxed{\text{ツテ}} \log \boxed{\text{ト}} - \frac{\boxed{\text{ナニ}}}{\boxed{\text{ヌ}}}$$