











6)
$$(1+x) \ln (1+x)$$
, $x \in (-1, \infty)$
 $(x) = \lim_{k \to \infty} (1+x) + (1+x) \cdot \frac{1}{1+x} = \lim_{k \to \infty} (1+x) + 1$
 $(1+x) = \lim_{k \to \infty} (1+x) = -1 (1+x)^{-2}$
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