



$\frac{1}{2} \ln x^3 = \frac{3}{2} \ln x$, $\frac{1}{2} \ln \frac{1}{x} = -\frac{1}{2} \ln x$, $\frac{1}{2} \ln x^2 = \ln x$, $\frac{1}{2} \ln \frac{1}{x^2} = -\ln x$
 $\frac{1}{2} \ln \frac{1}{x^3} = -\frac{3}{2} \ln x$, $\frac{1}{2} \ln x^4 = 2 \ln x$, $\frac{1}{2} \ln \frac{1}{x^4} = -2 \ln x$, $\frac{1}{2} \ln x^5 = \frac{5}{2} \ln x$
 $\frac{1}{2} \ln \frac{1}{x^5} = -\frac{5}{2} \ln x$, $\frac{1}{2} \ln x^6 = 3 \ln x$, $\frac{1}{2} \ln \frac{1}{x^6} = -3 \ln x$, $\frac{1}{2} \ln x^7 = \frac{7}{2} \ln x$
 $\frac{1}{2} \ln \frac{1}{x^7} = -\frac{7}{2} \ln x$, $\frac{1}{2} \ln x^8 = 4 \ln x$, $\frac{1}{2} \ln \frac{1}{x^8} = -4 \ln x$, $\frac{1}{2} \ln x^9 = \frac{9}{2} \ln x$
 $\frac{1}{2} \ln \frac{1}{x^9} = -\frac{9}{2} \ln x$, $\frac{1}{2} \ln x^{10} = 5 \ln x$, $\frac{1}{2} \ln \frac{1}{x^{10}} = -5 \ln x$.

$\frac{1}{2} \ln x^{\frac{1}{2}} = \frac{1}{4} \ln x$, $\frac{1}{2} \ln \frac{1}{x^{\frac{1}{2}}} = -\frac{1}{4} \ln x$,

$\frac{1}{2} \ln x^{\frac{1}{3}} = \frac{1}{6} \ln x$, $\frac{1}{2} \ln \frac{1}{x^{\frac{1}{3}}} = -\frac{1}{6} \ln x$
 $\frac{1}{2} \ln x^{\frac{1}{4}} = \frac{1}{8} \ln x$, $\frac{1}{2} \ln \frac{1}{x^{\frac{1}{4}}} = -\frac{1}{8} \ln x$
 $\frac{1}{2} \ln x^{\frac{1}{5}} = \frac{1}{10} \ln x$, $\frac{1}{2} \ln \frac{1}{x^{\frac{1}{5}}} = -\frac{1}{10} \ln x$.

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$\frac{1}{2} \ln x^{\frac{1}{2}} = \frac{1}{4} \ln x$, $\frac{1}{2} \ln \frac{1}{x^{\frac{1}{2}}} = -\frac{1}{4} \ln x$

$\frac{1}{2} \ln x^{\frac{1}{3}} = \frac{1}{6} \ln x$

$\frac{1}{2} \ln x^{\frac{1}{4}} = \frac{1}{8} \ln x$

$\frac{1}{2} \ln x^{\frac{1}{5}} = \frac{1}{10} \ln x$

$\frac{1}{2} \ln x^{\frac{1}{6}} = \frac{1}{12} \ln x$, $\frac{1}{2} \ln \frac{1}{x^{\frac{1}{6}}} = -\frac{1}{12} \ln x$.

$\frac{1}{2} \ln x^{\frac{1}{7}} = \frac{1}{14} \ln x$, $\frac{1}{2} \ln \frac{1}{x^{\frac{1}{7}}} = -\frac{1}{14} \ln x$, $\frac{1}{2} \ln x^{\frac{1}{8}} = \frac{1}{16} \ln x$
 $\frac{1}{2} \ln \frac{1}{x^{\frac{1}{8}}} = -\frac{1}{16} \ln x$, $\frac{1}{2} \ln x^{\frac{1}{9}} = \frac{1}{18} \ln x$, $\frac{1}{2} \ln \frac{1}{x^{\frac{1}{9}}} = -\frac{1}{18} \ln x$
 $\frac{1}{2} \ln x^{\frac{1}{10}} = \frac{1}{20} \ln x$, $\frac{1}{2} \ln \frac{1}{x^{\frac{1}{10}}} = -\frac{1}{20} \ln x$, $\frac{1}{2} \ln x^{\frac{1}{11}} = \frac{1}{22} \ln x$
 $\frac{1}{2} \ln \frac{1}{x^{\frac{1}{11}}} = -\frac{1}{22} \ln x$, $\frac{1}{2} \ln x^{\frac{1}{12}} = \frac{1}{24} \ln x$, $\frac{1}{2} \ln \frac{1}{x^{\frac{1}{12}}} = -\frac{1}{24} \ln x$
 $\frac{1}{2} \ln x^{\frac{1}{13}} = \frac{1}{26} \ln x$, $\frac{1}{2} \ln \frac{1}{x^{\frac{1}{13}}} = -\frac{1}{26} \ln x$, $\frac{1}{2} \ln x^{\frac{1}{14}} = \frac{1}{28} \ln x$
 $\frac{1}{2} \ln \frac{1}{x^{\frac{1}{14}}} = -\frac{1}{28} \ln x$, $\frac{1}{2} \ln x^{\frac{1}{15}} = \frac{1}{30} \ln x$, $\frac{1}{2} \ln \frac{1}{x^{\frac{1}{15}}} = -\frac{1}{30} \ln x$.

$\frac{1}{2} \ln x^{\frac{1}{16}} = \frac{1}{32} \ln x$, $\frac{1}{2} \ln \frac{1}{x^{\frac{1}{16}}} = -\frac{1}{32} \ln x$, $\frac{1}{2} \ln x^{\frac{1}{17}} = \frac{1}{34} \ln x$
 $\frac{1}{2} \ln \frac{1}{x^{\frac{1}{17}}} = -\frac{1}{34} \ln x$, $\frac{1}{2} \ln x^{\frac{1}{18}} = \frac{1}{36} \ln x$, $\frac{1}{2} \ln \frac{1}{x^{\frac{1}{18}}} = -\frac{1}{36} \ln x$
 $\frac{1}{2} \ln x^{\frac{1}{19}} = \frac{1}{38} \ln x$, $\frac{1}{2} \ln \frac{1}{x^{\frac{1}{19}}} = -\frac{1}{38} \ln x$, $\frac{1}{2} \ln x^{\frac{1}{20}} = \frac{1}{40} \ln x$
 $\frac{1}{2} \ln \frac{1}{x^{\frac{1}{20}}} = -\frac{1}{40} \ln x$, $\frac{1}{2} \ln x^{\frac{1}{21}} = \frac{1}{42} \ln x$, $\frac{1}{2} \ln \frac{1}{x^{\frac{1}{21}}} = -\frac{1}{42} \ln x$
 $\frac{1}{2} \ln x^{\frac{1}{22}} = \frac{1}{44} \ln x$, $\frac{1}{2} \ln \frac{1}{x^{\frac{1}{22}}} = -\frac{1}{44} \ln x$, $\frac{1}{2} \ln x^{\frac{1}{23}} = \frac{1}{46} \ln x$
 $\frac{1}{2} \ln \frac{1}{x^{\frac{1}{23}}} = -\frac{1}{46} \ln x$, $\frac{1}{2} \ln x^{\frac{1}{24}} = \frac{1}{48} \ln x$, $\frac{1}{2} \ln \frac{1}{x^{\frac{1}{24}}} = -\frac{1}{48} \ln x$.

