

In[10]:= $D[8 (8.53537)^2 (\text{Exp}[-L / (2 * 8.53537)] - 1 + L / (2 * 8.53537)), L]$

Out[10]= $582.82 (0.0585798 - 0.0585798 e^{-0.0585798 L})$

In[11]:= $\% /. L \rightarrow 33.14517$

Out[11]= 29.2432