

In[2]:= **Solve**[$E^{-g} == -a g + 1$, g]

Solve::ifun : Inverse functions are being used by Solve, so
some solutions may not be found; use Reduce for complete solution information. >>

Out[2]= $\left\{ \left\{ g \rightarrow \frac{1 + a \text{ProductLog}\left[-\frac{e^{-1/a}}{a}\right]}{a} \right\} \right\}$

In[3]:= **? ProductLog**

ProductLog[z] gives the principal solution for w in $z = we^w$.

ProductLog[k, z] gives the k^{th} solution. >>

In[4]:= **12 x 12**

Out[4]= 144