

Step eps

In[17]:= **eps[a_, b_] = (a - b) / b**

Out[17]=
$$\frac{a - b}{b}$$

In[20]:= **Simplify[D[eps[a, b], a] == 1 / b]**

Out[20]= **True**

In[22]:= **Simplify[D[eps[a, b], b]]**

Out[22]=
$$-\frac{a}{b^2}$$

In[23]:= **Simplify[D[eps[a, b], b] == -a / b²]**

Out[23]= **True**

In[59]:= **Simplify[D[eps[a[v], b[v]], v] == 1 / b[v]]**

In[60]:= **Simplify[D[eps[a[v], b[v]], v]]**

Out[60]=
$$\frac{b[v] a'[v] - a[v] b'[v]}{b[v]^2}$$