$$
\begin{aligned}
& j\left(b c h(a, y)=j(a)+l^{a} j(b) 2_{0}\right. \\
& \frac{e^{a} e^{b}-1}{b^{c h}(a, b)} \operatorname{div} b c h(a, b) \\
& \frac{e^{a}-1}{a}(\operatorname{div} a)+e^{a} \frac{l^{b}-1}{b}(\operatorname{div} b)= \\
& j(a)=\log e^{a}\left(l^{a}\right)^{*} \\
& j(b c h(a, b))=\log \left(e^{a} l^{b} e^{\left.b^{*} l^{a}\right)}\right.
\end{aligned}
$$

Question. What's dive bah $(x, y)$ and div $b c h(x, y)$ ?

$$
\left.\frac{\partial}{\partial \epsilon} \log \left(e^{x+\epsilon z} y\right)\right|_{\epsilon=0}=
$$

Question. What's $\operatorname{dog}(f)$ in the non-commatative context?

