uncurried plus:
$$|N \times N| \rightarrow |N|$$
so. eg. plus $(4,5) = 9$

plus':
$$|N \rightarrow N| \rightarrow |N|$$

so e.g. $(plus'(4)): |N \rightarrow N|$ partial application

and $(plus'(4))(5) = 9$

More briefly: $plus'(4)(5) = 9$

plus' $45 = 9$

we usually drop parentheses

for energical functions

$$\begin{cases} \lambda_{x} \rightarrow \lambda_{y} \rightarrow \lambda \end{cases} = \lambda_{y} \rightarrow 5$$