A Typed Up Proof

This is a new line.

Math 2110

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You can just type stuff. And here is some more. A new paragraph has begun.

Lemma 25: $A \to B, B \to A \vdash_L A \leftrightarrow B$	
1: $A \rightarrow B$	<u>1: Given</u>
$2: B \to A$	<u>2: Given</u>
3: $(A \to B) \land (B \to A)$ This is a new line.	3: L18 with $A := A \rightarrow B$ and $B := B \rightarrow A$ using 1 and 2
$4: A \leftrightarrow B$	4: Abbreviate 3