## QuantifiersWriting implications can be tricky when we change the domain of<br/>discourse.For every cat: if the cat is fat, then it is happy.Domain of Discourse: cats $\forall x[Fat(x) \rightarrow Happy(x)]$ What if we change our domain of discourse to be all mammals?<br/>We need to limit x to be a cat. How do we do that? $\forall x[(Cat(x) \land Fat(x)) \rightarrow Happy(x)]$ $\forall x[Cat(x) \land (Fat(x) \rightarrow Happy(x))]$





