L98: Introduction to Computational Semantics

Pre-Lecture 11 Exercise: Distinct Meanings

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Distinct Meanings

Two sentences are logically equivalent if they're true in the same situations. For the following pairs of sentences, can you think of a situation where one is true but the other isn't?

(1) a. Every fluffy dog barked

b. Every dog that barked is fluffy

(2) a. The fluffy dog barked

b. The dog that barked is fluffy

(3) a. Every student passed the exam

b. No student failed the exam

(4) a. I'm on the bus

b. I'm in the bus

(5) a. They used to work here

b. They've stopped working here

(6) a. They didn't use to work here

b. They haven't stopped working here