

Consider the following knowledge base:

*John went to the diner to eat lunch. He ordered a hamburger. But John wasn't very hungry so he didn't finish it. John told the waiter that he wanted a doggy bag. John gave the waiter a tip. John then went to the hardware store and home.*

Each inference below is based on a possible interpretation of the story. For each inference, briefly explain whether that inference was primarily based on syntactic, semantic, pragmatic, discourse, or world knowledge. (Do not answer world knowledge unless none of the other categories are appropriate.)

- (a) John is the person who ordered a hamburger.
- (b) John wasn't just stating a fact that he desired a doggy bag, but was requesting that the waiter bring him a doggy bag.
- (c) John went to the hardware store and then went to his house. (As opposed to going to a hardware store and a hardware home.)

(d) John gave the waiter some money as a gratuity. (As opposed to giving him a suggestion )

(e) John was wearing clothes.