

# DRSs for the selected text-hypothesis pairs discussed at the Asker 2018 meeting

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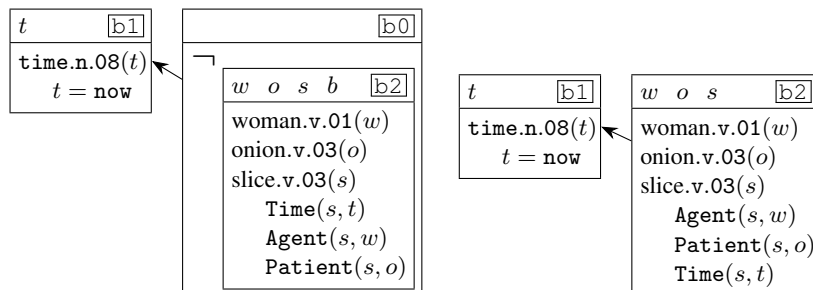
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## 1 Expletive

99/9004 There is no woman slicing an onion

99/9005 A woman is slicing an onion[**contradiction** / **correct**]



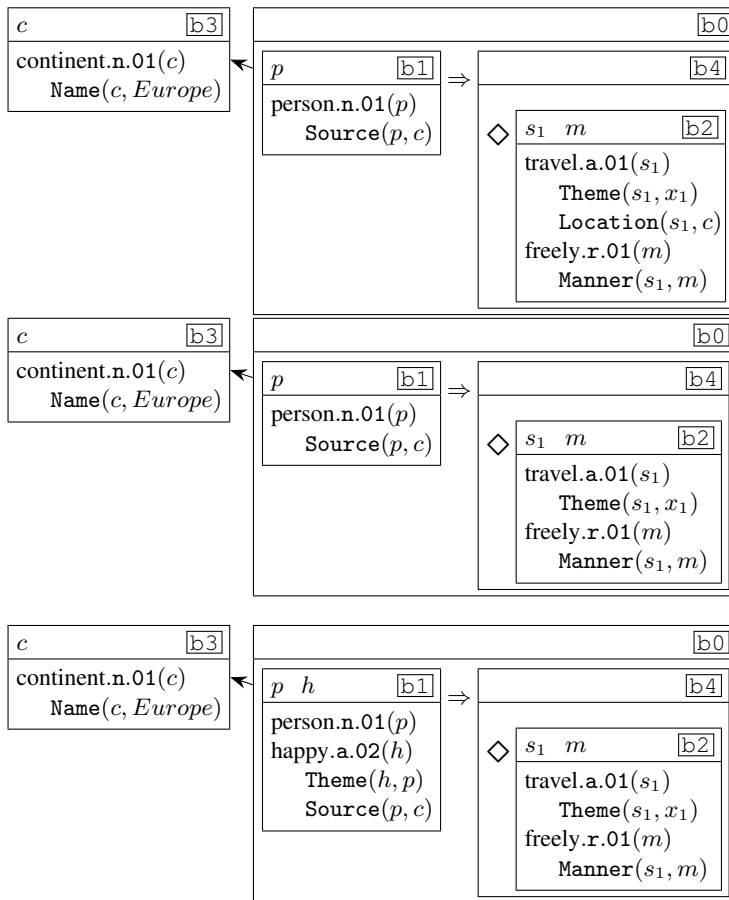
No extra axioms needed to get the contradiction.

## 2 Universal quantification

99/9030 Every European can travel freely within Europe

99/9031 Every European can travel freely[**neutral** / **???**]

99/9032 Every happy European can travel freely within Europe[**entailment** / **???**]



No additional axioms needed to get the entailment. But presuppositions from the text and hypothesis need to be bound to each other. In this case it is the presupposition of the existence of the continent named Europe.

### 3 Collective noun

99/9012 A group of scouts are hiking through the grass

99/9013 Some people are walking[**entailment** / ???]

Need an axiom that says there if your are a part of a group, and the group is a theme of an event, then that part is also a theme of that event.

$$\forall x \forall g \forall e (\text{group}(g) \wedge \text{Part}(g, x) \wedge \text{Theme}(e, g) \rightarrow \text{Theme}(e, x))$$

### 4 Counting

99/9020 A man, a woman and two girls are walking on the beach

99/9021 Four people are walking on the beach[**entailment** / ???]

## 5 Pronoun resolution & temporal veridicality

99/9024 Romano Prodi will meet the US President George Bush in his capacity as the president of the European commission

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99/9025 George Bush is the president of the European commission[**entailment?** / **???**]

99/9033 Romano Prodi is the president of the European commission[**entailment?** / **???**]

Pronoun needs to be resolved to Prodi. Axiom needed linking capacity to be.v.02.

## 6 Temporal veridicality

99/9034 Romano Prodi will meet the US President George Bush in their capacities as presidents of big institutions

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99/9035 George Bush is the president of a big institution[**entailment?** / **???**]

99/9036 Romano Prodi is the president of a big institution[**entailment?** / **???**]

