

## Exercises Computational Semantics 1

**Exercise 1** *Let the following list of sentences be given. Is this list consistent? How can you find out?*

1. *All men are mortals.*
2. *No men are women.*
3. *Some women are angels.*
4. *No angels are mortals.*

**Exercise 2** *Let the following list of sentences be given: Is this list consistent? How can you find out?*

1. *All men are mortals.*
2. *All women are mortals.*
3. *No men are women.*
4. *Some men are bullies.*
5. *Some mortals are not bullies.*

**Exercise 3** *Consider again the list of sentences from the previous exercise. Does it follow from the information in this list that some women are not bullies? Why (not)?*

**Exercise 4** *Consider again the list of sentences from Exercise 2. Suppose you want to add 'All women are bullies' to the list. Is the result still consistent? Why (not)?*

**Exercise 5** *Consider again the list of sentences from Exercise 2, with 'All women are bullies' added to the list:*

1. *All men are mortals.*
2. *All women are mortals.*
3. *No men are women.*
4. *Some men are bullies.*
5. *Some mortals are not bullies.*
6. *All women are bullies.*

*Does it follow from the information in the list that some men are not bullies? Why (not)?*