

# Week 3

## Exercises on Translations

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1. Translate the following sentences in the language of propositional logic (provide the translation key used):
  - Jake sits near Mary if Ronald does not sits near John and John sits near Mary.
  - John father is Creed father if and only if John and Creed are brothers.
2. Now try to re-translate the same sentences from the language of propositional logic to English, but using a *different* translation key.
3. Translate the arguments from last week exercises.