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Development of large scale LFG grammars:
Linguistics, Engineering and Resources

# French LFG: Exercises 2
# – Functional Uncertainty –

Continue with your extended grammar from the previous exercise, or start from the solution grammar in
`/space/projects/esslli99/grammars/french/french-templates/french-templates.lfg`.

## Exercise 1

Introduce templates and lexicon entries for raising verbs, as e.g. *devoir, vouloir.*

*Il doit venir.*
** Il doit vient.*

## Exercise 2

The grammar contains a restricted analysis of relative clauses. Look at the analysis of relative clauses in your testfile `mini-french-tests`. Only subject and object relative pronouns that act as TOPIC of the local relative clause are captured.

Extend the analysis to cover the following phenomena:

- Relative clause topics from embedded infinitives via functional uncertainty:

  *Jean voit le chat que il doit donner à Marie.*
  *Jean pense au chat que la fille doit aimer.*

  How do you proceed for subject relative pronouns?
  *Jean voit la fille qui doit venir.*

- Extend the relative clause analysis to cover relative pronouns in PPs:

  *Jean voit la fille à laquelle il pense.*

  Note that the head noun and the relative pronoun must agree in number and gender.

Again, consider the treatment of long dependencies via functional uncertainty:

*Jean voit la fille à laquelle il doit penser.*

- How do you proceed for VP-internal subjects in relative clauses?f

  *Jean voit la chat que aime Marie.*
  *Jean voit la fille que doit aimer Marie.*