

# Introduction to Languages for Scientific Computing

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High Performance and  
Automatic Computing

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Let `ll` be a list of lists.

- **Part 1:** Define the function `sameLQ[yourLastName][ll_]` which returns *True* iff all the lists in `ll` have the same length.
- **Part 2:** Define the function `diffLQ[yourLastName][ll_]` which returns *True* iff no two lists in `ll` have the same length.
- **Objective:** correct, short code.
- Any Mathematica function is allowed, including the abbreviated versions (e.g., `Map` and `/@`). Syntactical shortcuts are not allowed (e.g.,  $\exp^T$  instead of `Transpose[exp]`).
- In the case of a tie, the earlier submission wins.

- Individual submissions.
- Prepare a Mathematica notebook named `<yourLastName.nb>`, containing the definitions for `sameLQ` and `diffLQ`.
- Submission by email to `pauldj@aices.rwth-aachen.de`
- Email's subject: "LSC-17 Challenge5 <your last name>"
- **Deadline: Thursday, July 20, noon.**