

# MP1 Report

## Group 62

**Work distribution:** I did 100% of the project since I am the only member of this group.

**Options Chose:** In some situations, I used incrementally larger weights for larger steps so that the rules would be respected when executing the fstcompose command.

**Viability of the Solution:** The proposed solution obtains correct results for the examples given in the statement. Furthermore, I also ran an extensive collection of tests in order to verify that they can provide adequate results. However, since the tests were not performed for all cases, there is the possibility that there are some edge cases where the solution is not 100% functional.

**Brief Analysis of the Usability of “inverted” MetaphoneLN:** The "inverted" MetaphoneLN cannot make a transition from a MetaphoneLN generated word to its initial word since each generated word can come from several initial words. One word that exemplifies this is the generated word "NN" which can represent the following words: Nuno, Nunu, Nonu, Nono. Thus, we can say that it is not possible to 100% invert MetaphoneLN.