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I began my design of part 1b by adding every word in the lexicon of Grammar 2 exactly as they are, with their part of speech on the right-hand side. Similarly, I listed every rule as they are. Next, I determined what was the main difference between Grammar 1 and Grammar 2, which turned out that Grammar 1 specifies nominative/accusative cases, plurality and handled pronouns as well as nouns. I then made these into features in part 1b. From there, I specified each noun with these features. One thing I soon found out is that words like dog and puppies could be nominative or accusative. At the start I made two separate entries for each of them, one that had a nominative case and the other accusative. Eventually, I revised them to a single entry where I didn’t specify their case, allowing them to unify in my grammar anywhere that required a specific case. Finally, I restricted my initial grammar rules using feature unification between different types of phrases and their head nouns.

This grammar has one limitation that I could think of, which is its inability to parse certain grammatically correct sentences such as “she fed him with puppies”, as I did not allow for pronouns to take on prepositional phrases because Grammar 1 also didn’t allow for it.