The goal of this work is to identify and appropriately mark periphrastic grammatical forms in the data from the Universal Dependencies project. The data from the Universal Dependencies project are annotated on the morphological and syntactic level, however, these annotations relate only to individual words, so periphrastic forms cannot be easily searched. The output of this work is a program which, based on the studied grammatical rules of Slavic languages, discovers and marks these periphrastic grammatical forms in the data of Slavic languages. Furthermore, a program that reads the rules from the configuration file and, based on these rules, marks the periphrastic forms in the data. The configuration file is designed in YAML format, can be easily edited in a classic text editor, and is simple enough that even a user without programming experience can work with it without much difficulty.