

LaTeX homework

Mateusz Magiera

1st June 2019

1 Introduction

This file contains one of the best LaTeX homework that ever came from under a human hand. The first section presents a list of my computer and linguistic interest. The second section consists of two phonetic transcriptions: one in English, and the other one in Polish. Third section presents a sentence in form of a tree. In section number four one may find several phonological rules, and the last section number five presents few mathematical equations.

2 Section 1

1. The list of my favourite topics in computer science:
 - Newest developments of computer science.
 - Hardware updates.
 - Video games.
 - How technology changes our lives.
 - How technology has changed throughout years.
2. The complete list of my favourite topic in linguistics:
 - phonetics
 - phonology
 - semantics
 - syntax

3 Section 2

English transcription:

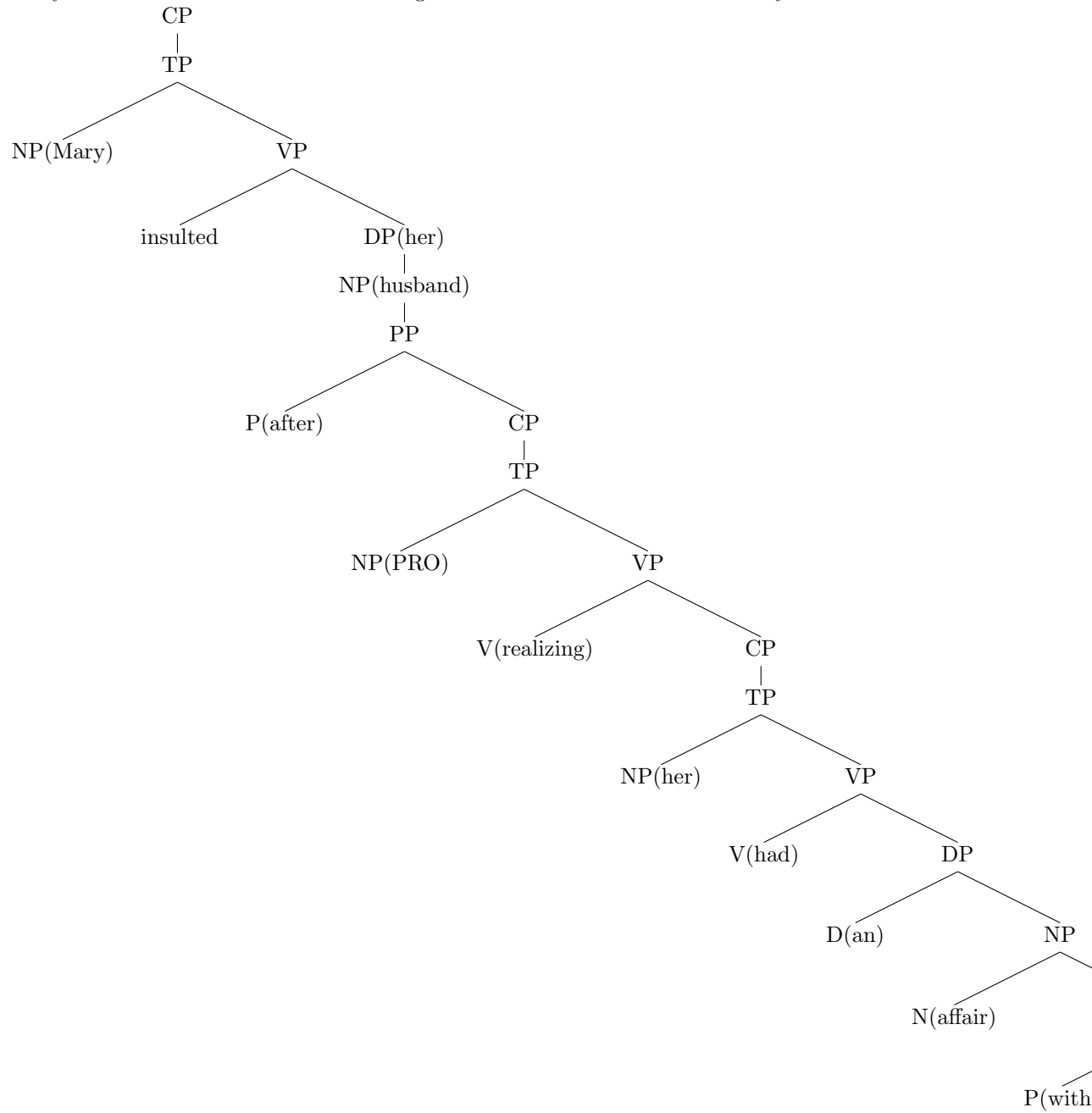
[maɪ neɪm ɪz 'maeθjuː. aɪ 'stʌdi 'naetʃrəl 'laɛŋɡwɪdʒ 'prəʊsesɪŋ aet θə juːnɪ'vɜːsɪti
aʊ gdansk.aɪ aem 'twɛnti θri ʤiəz əʊld. aɪ kʌm frɒm ə smɔːl 'vɪldʒ ɪn ə 'mɪdl
'pəʊlənd. aɪ klærntli wɜːk aet θə 'weəhaʊs bʌt wɜːn aɪ grəʊ ʌp aɪ wɒnt tuː biː
ə 'prezɪdnt ɒv θə ju'nartɪd steɪts, maɪ 'hɒbɪz aː 'məʊstli kəm'pjʊːtəz bʌt 'ɔːlsəʊ
spɔːt, 'mjuːzɪk aend 'meni 'ʌθə θɪŋz.]

Polsih transcription:

[mam na ɪmʲɛ matɛʊʃ. ɔd tʃtɛrɛx lat studʲɛ na ʊnɪvɛrsɪtɛtʃɛ gdʌnskɪm. ɔbɛtsɲɛ
studʲɛ pʃɛtfazʌŋɛ jɛw̃zɪka natʊrʌlnɛgo. ɲam dvadzɛtʃɛ tʃɪ lata. pɔxɔdzw̃
z mawɛj mʲɛjstɔvɔtʃɛɪ f ɛrɔtkɔvɛj pɔlstɛ. ɪntɛrɛsuje(Ń) ɛɛ(Ń) kɔmpʊtɛramɪ,
gramɪ vɪdɛɔ, muzɪkɔw̃ ɔras spɔrtɛm. ɔstatɲɪmɪ tʃsɪ vʲɛɲksɔw̃ tʃɛ(Ń)ɛtʃɛ mɔjɛgo
vɔlnɛgo pɔɛfɛntsʌm na pɔgwɛmbʲʌŋɛ mɔjɛj vʲɛdʒɪ z zakrɛsu prɔɡramɔbʌɲɪa,
sɛmantɪkɪ ɔras nazɛndʒɪ lɪŋɡvɪstɪtʃɪnɪx]

4 Section 3

Mary insulted her husband after realizing he had an affair with his secretary



5 Section 4

Bunch of phonetic rules, I could not find a book that you asked for so I copied some rules from the website about phonology.

$$\begin{aligned}
 x &\rightarrow \left\{ \begin{array}{l} w / \bar{z} \\ v / \left[\begin{array}{l} +\text{feature } x \\ -\text{feature } y \end{array} \right] - \end{array} \right. \\
 x &\rightarrow \left\{ \begin{array}{l} w / \bar{z} \\ v / \left[\begin{array}{l} +\text{feature } x \\ -\text{feature } y \end{array} \right] - \end{array} \right. \\
 \text{a) } k &\rightarrow c / i_ \\
 \text{b) } t &\rightarrow ts / _u \\
 \text{c) } s &\rightarrow z / V_V
 \end{aligned}$$

6 Section5

First equation:

$$A = \frac{\pi r^2}{2} = \frac{1}{2}\pi r^2 \quad (1)$$

This equation 2 is known as the Euler equation :

$$e^{\pi i} + 1 = 0 \quad (2)$$

Another example of an equation: $p(x) = 3x^6 + 14x^5y + 590x^4y^2 + 19x^3y^3 - 12x^2y^4 - 12xy^5 + 2y^6 - a^3b^3$