

Домашнее задание № 7

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Malt-parser

Записать последовательность применения операций для предложения

A hearing is scheduled on the issue today.

Алгоритм

Дано: стек, буфер

Работаем с двумя последними словами в стеке и исходя из двух слов делаем вывод, какую стрелочку (= зависимость) провести: от первого слова ко второму или от второго к первому.

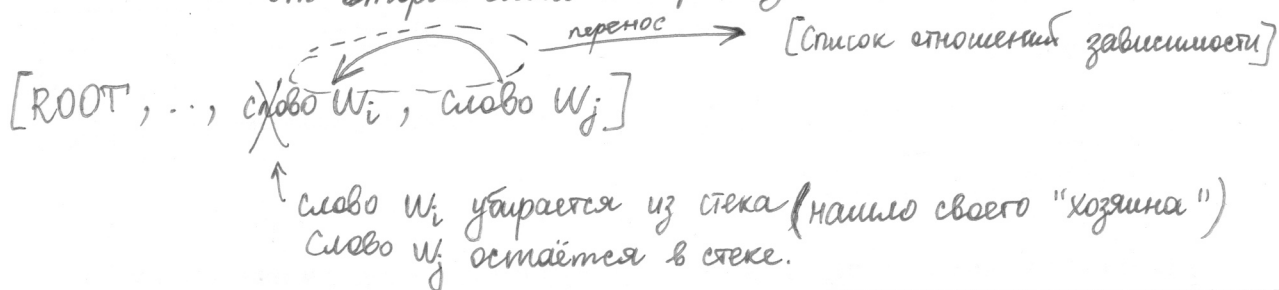
На каждой итерации копируем отношения зависимостей.

Каждое отношение зависимостей обозначается дугой.

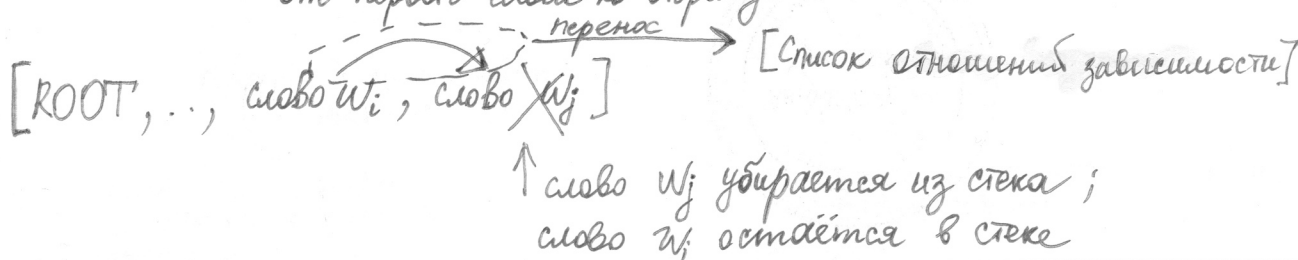
ROOT - корень дерева зависимостей.

Операции:

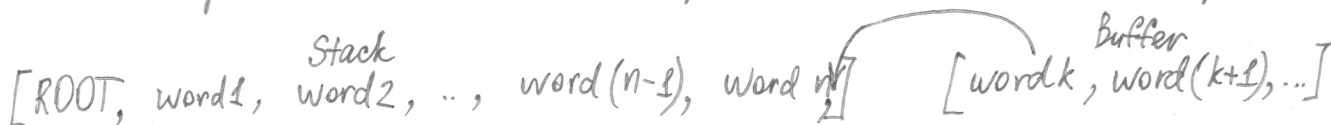
- 1) Left-arc - построить левую стрелку
от второго слова к первому



- 2) Right-arc - построить правую стрелку
от первого слова ко второму.



- 3) Shift - переместить слово в стек (рабочую область) из буфера



Stack Buffer
1) [ROOT] [A hearing is scheduled on the issue today .]

A hearing is scheduled on the issue today .

Stack Buffer
2) [ROOT A] [hearing is scheduled on the issue today.]

Shift

A hearing is scheduled on the issue today .

Stack Buffer
3) [ROOT A hearing] [is scheduled on the issue today .]

Shift

A hearing is scheduled on the issue today .

Stack Buffer
4) [ROOT hearing] [is scheduled on the issue today .]

Left-arc

A hearing is scheduled on the issue today .

Stack Buffer
5) [ROOT hearing is] [scheduled on the issue today .]

Shift

A hearing is scheduled on the issue today .

Stack Buffer
6) [ROOT hearing is scheduled] [on the issue today .]

Shift

A hearing is scheduled on the issue today .

Stack Buffer
7) [ROOT hearing is scheduled on] [the issue today .]

Shift

A hearing is scheduled on the issue today .

8)

Stack

Buffer

[ROOT hearing is scheduled on the] [issue today.]

Shift

A hearing is scheduled on the issue today.

9)

Stack

Buffer

[ROOT hearing is scheduled on the issue] [today.]

Shift

A hearing is scheduled on the issue today.

10)

Stack

Buffer

Left-arc

[ROOT hearing is scheduled on issue] [today.]

A hearing is scheduled on the issue today.

[ROOT hearing ^{Stack} is scheduled on] [today. ^{Buffer}]

Right-arc

A hearing is scheduled on the issue today.

! Swap - переместить второй
(из пары) элемент из стека в буфер

12) [ROOT hearing ^{Stack} is on] [scheduled today. ^{Buffer}]

Swap

A hearing is scheduled on the issue today.

13) [ROOT hearing ^{Stack} on] [is scheduled today. ^{Buffer}]

Swap

A hearing is scheduled on the issue today.

14) [ROOT hearing ^{Stack}] [is scheduled today. ^{Buffer}]

Right-arc

A hearing is scheduled on the issue today.

15) [ROOT hearing ^{Stack} is] [scheduled today. ^{Buffer}]

Shift

A hearing is scheduled on the issue today.

16) [ROOT hearing ^{Stack} is scheduled] [today. ^{Buffer}]

Shift

A hearing is scheduled on the issue today.

7) ^{Stack} [ROOT hearing is scheduled today] ^{Buffer} [.]

(Shift)

A hearing is scheduled on the issue today.

18) ^{Stack} [ROOT hearing is scheduled] ^{Buffer} [.]

(Right-arc)

A hearing is scheduled on the issue today.

19) ^{Stack} [ROOT hearing is] ^{Buffer} [.]

(Right-arc)

A hearing is scheduled on the issue today.

20) ^{Stack} [ROOT hearing is .] ^{Buffer} []

(Shift), a zero ^{Right-arc}

A hearing is scheduled on the issue today.

21) ^{Stack} [ROOT hearing is] ^{Buffer} []

(Left-arc)

A hearing is scheduled on the issue today.

22) ^{Stack} [ROOT is] ^{Buffer} []

(Right-arc)

ROOT A hearing is scheduled on the issue today.

Закончено