about SPEL Idea

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Contents

1 Introduction

about ob contents be description and illustration for plural idea part of SPEL ya

about for accessibility su all description be superset of illustration yand su all part of illustration be description in text ya

2 Motivation

about now problem su many programming language be use to program all of computer yand su many human language be use to speak with all of human ya su most programming language be design for small part of computer yand su most human language for small part of global population ya

about program language example su C be use for system program yand su VHDL for hardware program yand su Javascript for web program yand

su SQL for database program yand su BASh for shell program yand su Java for portable program yand su assembly for fast program yand su TeX for print document program yand su HTML for web document yand su ChucK for audio program yand su SVG for vector graphic yand su OpenCl for GPU program yand su many script for small purpose yand su all of them be have ob different syntax and style of programming yand su none of them be have ob human language syntax ya

about SPEL program language solution be provide ob one core language tha be translate to all other ya

about human language example su Mandarin be native language for 955 million people or 14% of earth human yand su Spanish be native language for 405 million people or 6% of earth human yand su English be native language for 360 million people or 5% of earth human ya su other language be have ob less ya

su some be assume ob tha su everyone be wil learn ob English but about tha be learn ob new language end-clause be hard ya and su it be give ob unfair advantage to english speaker ya

about SPEL human language solution be provide ob native like language tha be translate to all other ya

3   Ideal Flow

su input agent be have ob idea ya
be write ob idea to natural text by using word definition of input language tha from SPEL ya
be deconjugate ob natural text to analytic input text by using conjugation rules of input language ya
su SPEL be translate-in ob analytic input text to mwak pivot tree by using word translation and word order of input language ya
be translate-out ob mwak pivot tree to analytic output text by using word order and word translation of output language ya
be conjugate ob analytic output text to conjugated text or source code by using conjugation rules of output language ya
su output agent be compile or understand ob conjugated or source code to understood idea or native-code by using output word definition or API library of output language ya
su output agent be gain ob skill or app ya

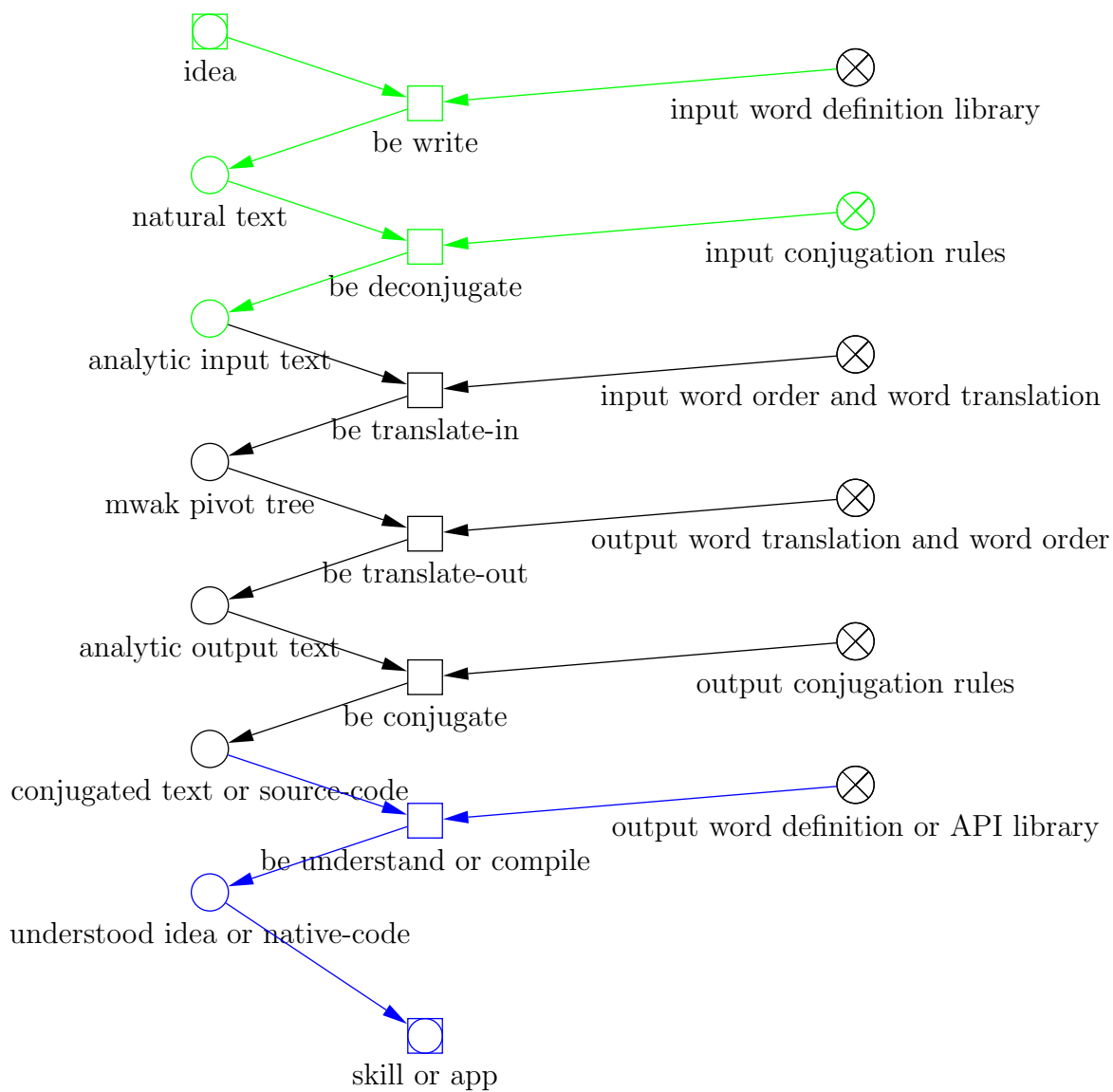be see ob figure 1 for illustration ya

idea

be write

input word definition library

natural text

be deconjugate

input conjugation rules

analytic input text

be translate-in

input word order and word translation

mwak pivot tree

be translate-out

output word translation and word order

analytic output text

be conjugate

output conjugation rules

conjugated text or source-code

be understand or compile

output word definition or API library

understood idea or native-code

skill or app

Figure 1: about ideal SPEL flow be illustration ya su green be Input Agent yand su blue be output Agent ya su black be provide by SPEL ya

4   Ideal Pivot Tree

su text be usually have ob title and text array ya su text array be able have ob sentence yand be able have ob subordinate text or sentence junction ya

su all junction be have ob head and body ya su all array be able have ob plural member ya

su sentence be usually have ob sentence array and sentence particle yand be able have ob mood ya su sentence array be usally have ob phrase yand be able have ob top clause or phrase junction ya

su top clause be usually have ob head and subordinate sentence ya

su phrase be usually have ob adposition and type yand be able have ob subordinate-clause or type junction ya

su subordinate-clause be usually have ob head and subordinate sentence ya

su type be usually have ob body yand be able have ob body classifier or genitive ya

su genitive be usually have ob head and subordinate phrase ya
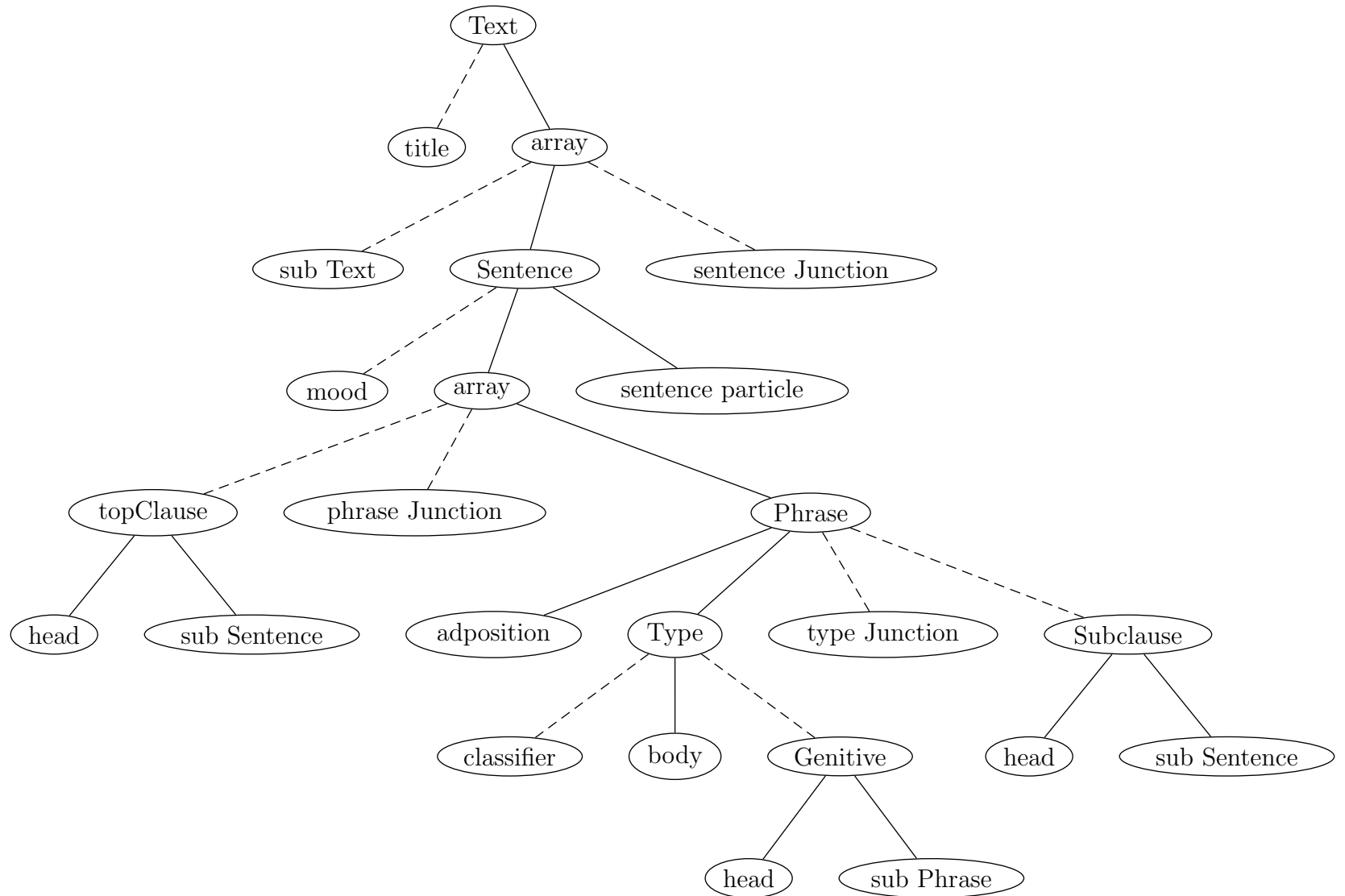
be see ob figure 2 for illustration ya

Figure 2: about ideal SPEL Pivot Tree be illustration ya su dashed line be show ob able have yand su full line be show ob usually have ya