An example of context-dependent label format

for HMM-based speech synthesis in Vietnamese

(Modified based on English version of May 14, 2010)

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p1^p2-p3+p4=p5@p6_p7

/A:a1_a2_a3/B:b1-b2-b3@b4-b5&b6-b7#b8-b9\$b10-b11!b12-b13;b14-b15|b16/C:c1+c2+c3

/D:d1_d2/E:e1+e2@e3+e4&e5+e6#e7+e8/F: f1_f2

/G:g1_g2/H:h1=h2@h3=h4|h5/I:i1_i2

/J:j1+j2-j3

p1	the phoneme identity before the previous phoneme
p2	the previous phoneme identity
р3	the current phoneme identity
p4	the next phoneme identity
p5	the phoneme after the next phoneme identity
p6	position of the current phoneme identity in the current syllable (forward)
p7	position of the current phoneme identity in the current syllable (backward)
a1*	tone of the previous syllable
a2*	tone of the syllable before the previous syllable
a3	the number of phonemes in the previous syllable
b1*	tone of the current syllable
b2*	whether the current word is content or function word
b3	the number of phonemes in the current syllable
b4	position of the current syllable in the current word (forward)
b5	position of the current syllable in the current word (backward)
b6	position of the current syllable in the current phrase (forward)
b7	position of the current syllable in the current phrase (backward)
b8*	punctuation of the current word
b9*	punctuation of the next word
b10*	punctuation of the word after the next word
b11*	punctuation of the previous word
b12*	punctuation of the word before the previous word

b13*	undefined feature
b14*	gpos (guess part-of-speech) of the word after the next word
b15*	gpos (guess part-of-speech) of the word before the previous word
b16	name of the vowel of the current syllable
c1*	tone of the next syllable
c2*	tone of the syllable after the next syllable
c3	the number of phonemes in the next syllable
d1	gpos (guess part-of-speech) of the previous word
d2	the number of syllables in the previous word
e1	gpos (guess part-of-speech) of the current word
e2	the number of syllables in the current word
e3	position of the current word in the current phrase (forward)
e4	position of the current word in the current phrase (backward)
e5	the number of content words before the current word in the current phrase
e6	the number of content words after the current word in the current phrase
e7	the number of words from the previous content word to the current word
e8	the number of words from the current word to the next content word
f1	gpos (guess part-of-speech) of the next word
f2	the number of syllables in the next word
g1	the number of syllables in the previous phrase
g2	the number of words in the previous phrase
h1	the number of syllables in the current phrase
h2	the number of words in the current phrase
h3	position of the current phrase in this utterance (forward)
h4	position of the current phrase in this utterance (backward)
h5*	type of this utterance
i1	the number of syllables in the next phrase
i2	the number of words in the next phrase
j1	the number of syllables in this utterance
j2	the number of words in this utterance
ј3	the number of phrases in this utterance

Note: (*) are features added/modified for Vietnamese.