

## Morphological analysis

Exercise #3

Due: January 20, 2000

### Problem 1: Swedish

Identify the morphemes in the following data:

kvinna	'woman'	kvinnan	'the woman'	kvinnor	'women'
pojke	'boy'	pojken	'the boy'	pojkar	'boys'
sak	'thing'	saken	'the thing'	saker	'things'
bok	'book'	boken	'the book'	böcker	'books'
bord	'table'	bordet	'the table'	bord	'tables'

List the morphemes with their English glosses and their allomorphs, and say when each allomorph appears.

### Problem 2: Veracruz Aztec

As before, identify the morphemes in the following paradigm:

nikwaa	'I eat'	nikwah	'I ate'
tikwaa	'you (sg.) eat'	tikwah	'you (sg.) ate'
kwaa	'he eats'	kwah	'he ate'
nikwah	'we (excl.) eat'	nikwake	'we (excl.) ate'
tikwah	'we (incl.) eat'	tikwake	'we (incl.) ate'
aŋkwah	'you (pl.) eat'	aŋkwake	'you (pl.) ate'
kwah	'they eat'	kwake	'they ate'

### Problem 3: Esperanto

Esperanto is an artificial language created by L. Zamenhof in the nineteenth century. Zamenhof designed the language to have a very simple and regular morphology, on the theory that war and pestilence were caused by irregular verbs. Based on the sentences in (1), write a small English-Esperanto morpheme dictionary, and use it to translate the English sentences in (2) into Esperanto.

- (1a). La alta knabo malsaniĝis.  
'The tall boy fell ill.'
- b. Ĉu li grandigis la grandecon de la dormejo?  
'Did he increase the size of the dormitory?'
- c. Ankaŭ malaltaj knabinoj povas esti belaj.  
'Short girls, too, can be beautiful.'
- d. Mia patro estas sana ĉar li ne trinkas vinon.  
'My father is healthy because he doesn't drink wine.'

- e. La bonaj monaĥinoj volis preĝi en la preĝejo.  
'The good nuns wanted to pray in church.'
- f. Lerni la esparantan lingvon estas facila.  
'It's easy to learn Esperanto.'
- g. Mi vidis ŝian onklon en la trinkejo.  
'I saw her uncle in the bar.'
- h. La beleco de la lingvo estas ĝia facileco.  
'The beauty of the language is its simplicity.'
- i. Ĉu vi konas miajn onklojn?  
'Do you know my uncles?'

(2a). Did her aunt know my mother?

- b. His health has deteriorated.
- c. The boys can also learn difficult languages at school.
- d. The monks adorned the church.
- e. Does your mother want to put the boys to sleep?