Tobias Scheer Introduction to Government Phonology Instytut Anglistyki Warsaw, spring 2002

Assignment

(1)	French	1 1	. 1 1	T : ://
	Rəvənir	come back	zə tə lə dən	I give it to you
	Rəvuir	id.	∫ tə lə dən	id.
	RASUIR	id.	∫ tə 1 dən	id.
	*RANIR	id.	*∫ t lə dən	id.
			*∫ t l dɔn	id.
	lə səkχε	the secret	39 t le don	id.
	*lə skχε	id.	*ʒə t l dən	id.
	lə dəgre	the degree	zə tə 1 dən	id.
	*lə dgre	id.		
(2)	Czech		Polish	

C 1		D 1: 1	
	11 NOM		NOM
	•	5	war NOMsg
*lokt	id.	*vojena	id.
lokte	id. GENsg	vojen	id. GENpl
*lokete	id.	*vəjn	id.
loketnii	id. adj.	vojenn i	id. adj.
*ləktnii	id.	*vəjnn i	id.
dəmek	house NOMsg	buwka	bread roll NOMsg
*domk	id.	*buweka	id.
domku	id. GENsg	buwek	id. GENpl
*domeku	id.	*buwk	id.
dəmet∫ek	id. dimin. NOMsg	buwet∫ka	id. dimin. NOMsg
*dəmt∫ek	id.	*buwt∫ka	id.
*dəmet∫k	id.	*buwet∫eka	id.
*dəmtsk	id.	*buwt∫eka	id.
dəm€t∫ku	id. dimin. GENsg	buwet∫ek	id. dimin. GENpl
*dəmt∫ku	id.	*buwt∫ek	id.
*domet∫eku	id.	*buwet∫k	id.
*dəmt∫eku	id.	*buwt∫k	id.
	*lokete loketnii *loktnii domek *domk domku *domeku dometsek *domtsek *domtsek *dometsk *dometsk *dometsk *dometsk *dometsk dometsk *dometsk *dometsk *dometsk *dometsk	loket elbow NOMsg *lokt id. lokte id. GENsg *lokete id. loketnii id. adj. *loktnii id. domek house NOMsg *domk id. domku id. GENsg *domeku id. dometjek id. dometjek id. dometjek id. *dometjek id.	loket elbow NOMsg vojna *lokt id. *vojena lokte id. GENsg vojen *lokete id. *vojn loketnii id. adj. vojenni *loktnii id. *vojnni domek house NOMsg buwka *domk id. *buweka domku id. GENsg buwek *domeku id. GENsg buwek *dometsek id. dimin. NOMsg buwetsek *dometsek id. *buwtsek *dometsek id. *buwetsek id. *buwetsek *dometsek id. *buwetsek id.

(3) German

> ?inərəs inner neut. ?inərliç internal *?inrs id. *?inrliç id.

?inrəs id. ?inərstə most internal

?inərs *?inrstə

(4) Moroccan Arabic

ktib write pf 3m sg kittib use to write pf 3m sg *kitib id. *kttib id. id. id. *ktb *kittb *kitb id. *kttb id. write pf 3m pl kɨtbu *kɨtɨbu id.

*ktibu id. id. *ktbu

Polish o – ó (5) Czech o – uu

> knife NOMsg cow NOMsg nuu∫ krova *nɔ∫ *kruva id. id. id. GENsg kruf id. GENpl пэзε

*nuuze id. *krof id.

scissors NOMpl nuu∫ki krufka id. dimin. NOMsg

*nɔ∫ki id. *krofka id.

id. GENpl id. dimin. GENpl nuuzek kruvek

*nozek id. *krovek id.

(6) Czech VV- V

Polish ą –ę zaaba frog NOMsg zəmp tooth NOMsg *3aba id. id. *zemp id. GENpl zemba id. GENsg зар id. *zomba id. *3aap id. dimin. NOMpl id. dimin. NOMsg **3apka** zəmbek *ʒaapka id. *zembek id. id. dimin. GENsg id. dimin. GENpl zabek zəmpka

*zaabek id. *zempka id.

(7) French ATR

*səkenəmã

to party 1sg fεt *fet id. id. infinitive fete *fete id. meter mεtχ id. *metx metrical metχik id. *metxik alert (noun) alεχt id. *aleχt aleχte to alert, infinitive id. *alexte selari. celery id. *seləri petaran turnip *betəʁav id. saren serene *səken id. serenite serenity *serenite id. serenely sərenəmã id.

French $[\mathfrak{d}] - [\mathfrak{e}]$

to cut into pieces, infinitive moxsəle *moxsele to cut into pieces, 1sg məχsel id. *mɔxsəl id. noun məxseləmã *mɔxsələmã id. to call, infinitive apəle *apɛle id. to call, 1sg apel *apəl id. арєІэка to call, future 3sg id. *apələka səvĸe to wean, infinitive id. *sevre to wean, 1sg **SENR** *səvr id.

to wean, future 3sg searasa s *səvrəra səvra3

*sevra3

id. id. noun id.

Questions

- 1. Under (1)-(4), you may observe vowel-zero alternations in five different languages. For each language, determine the distribution of vowels and zeros. Give your result in form of SPE-type statements with a structural description known from rewrite-rules, but do NOT try to figure out which alternant is underlying.
- 2. How many different types of vowel zero alternations are represented by these data? According to which parameter(s)?
 - Nota: alternations may be optional or obligatory, this is an additional parameter illustrated by the data, but which is of no interest here.
- 3. It is not reasonable to assume that there are different vowel-zero alternations in nature that share all properties except one, but are instances of distinct phonological mechanisms. Rather, theory is called to be able to express the cross-linguistic variation encountered by a single device which is endowed with a parameter.
 - Conceive of such a theory within Government Phonology. If you can, do the same within another theoretical framework. The mechanism you develop should not bear any disjunctive statement in its structural description.
 - You will now have to decide which underlying representation you grant to the alternations.
- 4. Under (5)-(6), various segmental alternations in Polish and Czech are presented: they concern vowel length, two nasal vowels and [5] vs. [u]/ [uu]. Determine the context in which the different alternants appear (still using SPE-type rewrite-conventions), but do not try to figure out which alternants are underlying.
- 5. The contextual conditions that you have established for (5)-(6) are identical with a subset of those that control the data under (1)-(4). Assuming that this cannot be accidental, try to accommodate the new facts within the theory of vowel-zero alternations that you have proposed under 3): you will have to enlarge the scope of your mechanism so that it can cover both vowel-zero alternations and those that engage alternants none of which is zero. Try to conceive of a theory which is as restrictive and general as as possible, and does not contain any disjunctive statement in its structural description (or the representative thereof in non-SPE-terms).
- 6. Under (7), two French alternations are introduced, one concerning the ATRness of the mid front unrounded vowel, the other engaging schwa and [ε]. Describe the context in which the different alternants occur (still using SPE-type rewrite-conventions), but do not try to determine the underlying identity of the alternating objects.
- 7. The contextual conditions that you have established are identical with the ones you know from a subset of vowel-zero alternations and (5)-(6). Can you conceive of a unique and uniform mechanism that covers all alternations that are controlled by this highly specific context?
- 8. The major challenge raised by (7) is the fact that French is not a Slavic language. If identical contextual conditions must be ascribed to a single phonological cause, is it possible to "export" the typical analysis practised in Slavic so that it covers the French data as well? If not, what could be an alternative?
- 9. Try to develop a theory that is as general enough to be able to treat all data that are governed by the same context in a way that they do not appear as accidentally related. Use the tools of Government Phonology or of any other theory you wish.