

Sierra Popoluca possessives problem

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Directions

The following data is from Sierra Popoluca, a language of Mexico. Provide the following:

- ① For each prefix morpheme in the data, list all its allomorphs.
- ② For each prefix, describe as best you can what factors determine which allomorph will be chosen.
- ③ Are the nasals [m] and [n] allophones, or do they belong to different phonemes? How do you know? Here are some Sierra Popoluca words to bear in mind when you consider this question:

<i>minpanam</i> <i>ka:mkʌʌm</i> <i>miŋyahumtyim</i>	'He still comes' 'at.cornfield' 'He also came'	<i>hoymʌk</i> <i>aŋkpa</i>	'there' 'I will go'
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Data

1.	tʌk	'house'	antʌk	'my house'
2.	petkuy	'broom'	ampetkuy	'my broom'
3.	me:me	'butterfly'	amme:me	'my butterfly'
4.	tsɔ:goy	'liver'	antso:goy	'liver'
5.	he:pe	'cup'	anhe:pe	'my cup'
6.	piyu	'hen'	ampiyu	'my hen'
7.	kawah	'horse'	aŋkawah	'my horse'
8.	yemkuy	'my fan'	anyemkuy	'my fan'
9.	nʌ:yi	'name'	annʌ:yi	'my name'
10.	ha:ya	'husband'	anha:ya	'my husband'

Data

11.	tʃikʃi	'itch'	ajtʃikʃi	'itch'
12.	wʌtʃo:mo	'wife'	aŋwʌtʃo:mo	'my wife'
13.	suuŋ	'cooking pot'	ansuuŋ	'my cooking pot'
14.	nʌts	'armadillo'	annʌts	'my armadillo'
15.	ʃi?mpa	'bamboo'	ajʃi?mpa	'my bamboo'
16.	tyaka	'chick'	ajtyaka	'my chick'
17.	kʌ:pi	'firewood'	aŋkʌ:pi	'my firewood'
18.	me:sah	'table'	amme:sah	'my table'
19.	ʃapun	'soap'	ajʃapun	'my soap'
20.	suskuy	'whistle '	ansuskuy	'my whistle '