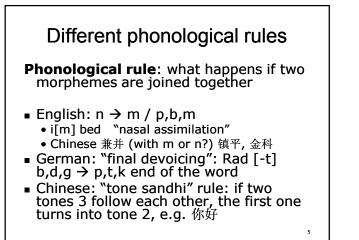
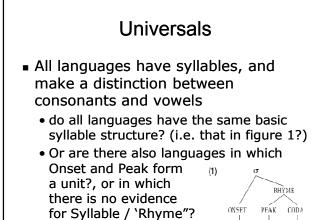


- The onset may be obligatory (<u>C</u>V or V)
 all languages have CV: core syllable
- 2. There may be a coda (CV or CV<u>C</u>)
- The onset and/or coda may be complex (CV or <u>CC</u>V, CV<u>CC</u>)
- The peak may be complex (CV or C<u>VV</u>)





v

-ċ

Universals, cont.

- All languages have at least two consonants of the set [p t k]
- All languages have an open vowel
- List of universals: http://phonotactics.anu.edu.au/features.php http://typo.uni-konstanz.de/archive/intro/

Tendencies

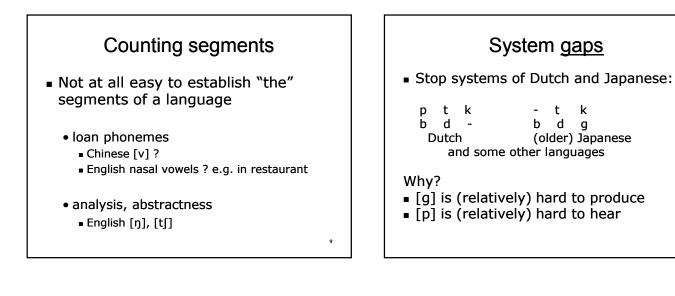
"near-universals":

- <u>Nearly</u> all languages have [t]
- <u>Almost all</u> languages have sonorants
- Coronal place of articulation is much more <u>common</u> than any other place of articulation
- \rightarrow segment sets are structured (implications)
- No language has [z] without also having [s]
- If a language has many consonants then it also *tends* to have many vowels

k

t

d g



11

Speaker and hearer

- `Don't make things difficult for the speaker' and 'Don't make things difficult for the listener'. That is, the best systems are those in which contrasts are maximally distinct with the least amount of **articulatory** effort
 - nice kind of balance, equilibrium

Conclusion Languages show many similarities in their sound structure not an accident "universals" and tendencies explainable from phonetic and/or a usage point of view structural universals? or structure=universal?

language acquisition

12

10

Homework

- Read the chapter very carefully. If there are things that are not clear, ask in class next week
- Homework exercises: Qs 18-24 ©
- Thank you

13