

	Tagalog	Timugon Murut	Sarangani Blaan	Limos Kalinga	Acehnese	Palauan	Kulalao Paiwan	Tjuabar Paiwan
p/f	pili, pumili	patoj, matoj	fati, mati	pija, kumija	paʒoh, sumajoh pubuʔet, sumubʔet	–	pili, pnili piqaj, pniqaj	pajsu, pənaʒsu
t	takbo, tumakbo	tuun, tumuun	tiis, tmiis		tulak, tumulak	toŋakl, tmoŋakl		təkəl, təm(ə)kəl
s	sulat, sumulat				saluən, sumaluən	sisiʔ, smisiʔ		supu, səmupu sənaʒ, səmənaʒ
k/q	kuha, kumuha				kaʒn, kumaʒn	kiut, kmiut	quʒuts, qmuʒuts	kan, kəman kava, kəməva
b/v	bili, bumili	bigod, migod	bunal, munal	bali, gumali buuk, gumuuk bulbul, gumulbul		basəʔ, masəʔ	burəs, bnurəs vuʒu, vnuʒu	
d/ð	datiŋ, dumatiŋ			dakol, dumakol	duŋŋ, dumuŋŋ	ðakl, θmakl		
g	gawa, gumawa	gajo, gumajo			gantoŋ, gumantoŋ	–		
note						ðobeʔ, ðwobeʔ kəmeð, kwəmeð daləm, dwaləm		təvəʒa, tən(ə)vəʒa wəv-u, sənəv-u

• Tableaux:

UR:						
a.						
b.						
c.						
d.						
e.						
f.						
g.						
h.						
i.						
j.						

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Some **markedness** constraints:

*CC : no clusters

Some **faithfulness** constraints:DEF(*x*) : don't epenthesize *x*MAX(*x*) : don't delete *x*IDENT(*x*) : don't change feature(s) *x*

- Here are five basic approaches to the mechanisms of generative phonology:
 1. **Rules Only**

SPE-style rules and perhaps some Morpheme Structure Rules and/or redundancy rules to get some of the static patterns. (e.g., Chomsky and Halle 1968)
 2. **Rules and ‘Hard’ Constraints**

Hard (inviolable) constraints restrict Underlying Representations (MSCs) and block the application of rules that would create violations. (e.g., Leben 1973, Hayes 1986, Schein and Steriade 1986, Calabrese 1987, Archangeli and Pulleblank 1994, Halle and Idsardi 1995).
 3. **Rules and Violable Constraints (Harmonic Phonology)**

Rules apply in order to improve phonological representations by eliminating structures that violate constraints and improving their Harmony. (e.g., Goldsmith 1989, 1990, 1993 –or, though the terminology is different Kisseberth 1970, Sommerstein 1974, Liberman and Prince 1977, Goldsmith 1979, Steriade 1982, Prince 1984, Singh 1987, Ito 1988, Yip 1988, Hayes 1995 – and especially Smolensky 1986).
 4. **‘Persistent’ Rules and Constraints**

Persistent rules apply during a derivation whenever their structure is met but they can be blocked by constraints. (Meyers 1991)
 5. **Constraints Only**

This is Optimality Theory
- Q:** What about the question of universality?