










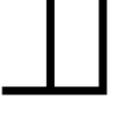
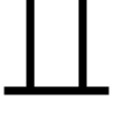

Vowels: 1 + 18





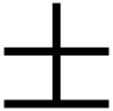
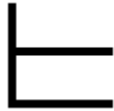






		Front		Central		Back	
		Unrounded	Rounded			Unrounded	Rounded
Close		<b>i</b>	<b>ü</b>		<b>–</b>	<b>ɨ</b>	<b>u</b>
		[i]	[y]		[ɨ~ʉ]	[ɯ]	[u]
Mid-close		<b>ee</b>	<b>oe</b>			<b>eo</b>	<b>oo</b>
		[e:]	[ø:]			[ɤ:]	[o:]
Middle		<b>e</b>	<b>ö</b>		<b>ä</b>	<b>ë</b>	<b>o</b>
		[ɛ̄]	[œ̄]		[ə]	[ʌ̄]	[ɔ̄]
Mid-open		<b>ae</b>	<b>oa</b>			<b>ea</b>	<b>ao</b>
		[ɛ <sup>+</sup> :]	[œ <sup>+</sup> :]			[ʌ <sup>+</sup> :]	[ɔ <sup>+</sup> :]
Open				<b>+</b>	<b>a</b>		
					[a~ɑ]		



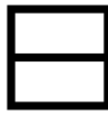





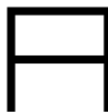
	Note	Articulation
-	the default vowel, like 's' of "snow", naturally attached to every consonant, unwritten	
ü	French 'u' German 'ü' Chinese 'yu' ancient Greek 'u'	as <i> but lips as rounded as <u> as <u> but tongue as front as <i>
ï	Chinese 'i' after 's' Korean 'eu' Russian 'ы'	as <u> but lips as unrounded as <i> as <i> but tongue as back as <u>
ö	French 'eu' German 'ö'	as <e> but lips as rounded as <o> as <o> but tongue as front as <e>
ë	Vietnamese 'ơ'	as <o> but lips as unrounded as <e> as <e> but tongue as back as <o>
ee	like 'i' of "bid" but long	
e	like 'e' of "bed"	

<b>ae</b>	like 'a' of "bad" but long	
<b>ea</b>	like 'u' of "up" but long	
<b>ao</b>	like 'o' of "top" but long	
The others are easy to infer.		

Consonants: 1 + 36

	Labial	Dental	Velar
Nasal	 <b>m</b> [m]	 <b>n</b> [n]	 <b>ŋ</b> [ŋ]
Plosive	 <b>p</b> [p]	 <b>t</b> [t]	 <b>k</b> [k]
Plosive Voiced	 <b>b</b> [b]	 <b>d</b> [d]	 <b>g</b> [g]
Plosive Aspirated	 <b>ph</b> [p <sup>h</sup> ]	 <b>th</b> [t <sup>h</sup> ]	 <b>ch</b> [k <sup>h</sup> ]

Fricative Voiced		<b>b'</b> [v]		<b>d'</b> [ð]		<b>g'</b> [ʎ]	
		<b>p'</b> [f]		<b>t'</b> [θ]		<b>c'</b> [x]	
			<b>'</b> [ʔ]				
			<b>h</b> [h]				
			<b>l</b> [l]				
			<b>r</b> [r] / [ɹ]				
	Fricative Aspirated		<b>sh</b> [ʃ]		<b>s</b> [s]		<b>s'</b> [ɕ]
			<b>zh</b> [ʒ]		<b>z</b> [z]		<b>z'</b> [ʐ]

Affricative Aspirated Voiced		<b>szh</b> [tʃ]		<b>sz</b> [tʃ]		<b>sz'</b> [tʃʰ]
		<b>tsh</b> [tʃʰ]		<b>ts</b> [tʃʰ]		<b>ts'</b> [tʃʰ]
		<b>dzh</b> [dʒ]		<b>dz</b> [dʒ]		<b>dz'</b> [dʒʰ]

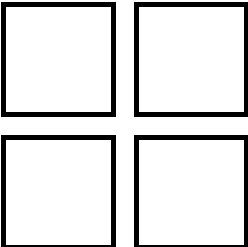
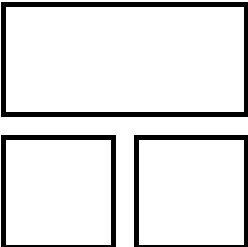
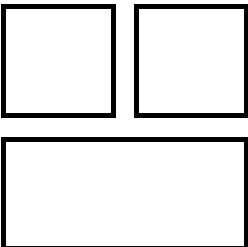
	Note	Articulation
'	the default consonant, like “Xi’an”, naturally attached to every vowel, unwritten	
q	Japanese ‘g’ like ‘ng’ of “sing”, “singer”	as <c> but nasal
p	like ‘p’ of “spore”	
t	like ‘t’ of “store”	
c	like ‘c’ of “score”	

<b>g'</b>	modern Greek 'γ'	
<b>c'</b>	modern Greek 'χ'	
<b>s'</b>	Chinese 'x' Japanese 'sh'	
The others are easy to infer.		

### Tones

	0	1	2	3	4
<b>Name</b>	Middle	Low	Rising	High	Falling
<b>Pitch</b>	~3~	~1~	2~4	~5~	4~2
<b>Function</b>	article, affix	verb	adjective	noun, pronoun	adverb
	<b>a</b>	<b>=a</b>	<b>&lt;a</b>	<b>+a</b>	<b>&gt;a</b>
<b>Sign</b>	+	⊖	⊕	⊕ <sub>!</sub>	⊖ <sub>!</sub>

# Syllable-Character

	<p>Initial (36 consonants)</p>	<p>Medial <b>-i- -ü-</b> <b>-ï- -u-</b></p>
	<p>Nucleus (18 vowels)</p>	<p>Coda <b>-m -n -q -p -t -c</b> <b>-l -r -i -ü -ï -u</b></p>
	<p>if no initial or no medial</p>	
	<p>if no coda</p>	



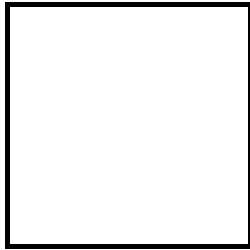
2 parts

initial + nucleus

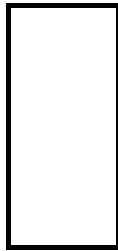
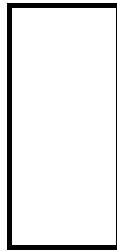
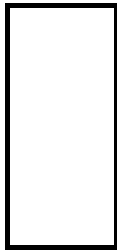
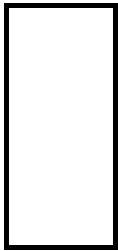
initial + coda

medial + nucleus

nucleus + coda



if initial-only or nucleus-only  
(with default vowel or default consonant)



as letters

(transcription)