افتراض assuming

that all vowels are voiced	<u>of انقباض articulated with a constriction</u>	all vowels are oral
	open approximation.	اصوات فميهsounds

oral sounds اللوز اللهاه is raised during their production). The range of اللوز اللهاه is raised during their production). The range of positions which the tongue can occupy تشغل within the oral cavity ويف within the oral cavity تشغل open approximation is quite large

the entire available space for <u>such articulations the vowel space</u>. We will require a means of plotting تحديد the point at which a given vowel is articulate in the vowel space.

The vowel space is represented along two dimensions. بعدين

1- High/low.	According to this dimension, the vowel could be :	
	high vowel, or low, or high-mid, or low-mid.	
2- Front/back	. According to this dimension, the vowel could be	
	: front, back, or central	
third	lip position given vowel articulation, the lips are rounded or not	
parameter,:	. So a vowel could be rounded or unrounded	

/i/	is front, high and unrounded	See /si:/, lead/li:d/, seed/si:d/
.ong	vowel.	tea/ti:/ key ki:
/u/	is back, high and rounded vowel.	food, soon, loose
ong		
/e/	is high-mid, unrounded vowel.	/sell/sel, نفسه pet/pet/,led ,
short		
/o/	high-mid back rounded vowel	Pot,doll,song
hort		
'a/	low front unrounded vowel	
'æ/	=low front unrounded.	Ant/ ænt , pat/pæt, ban/bæn
hort		
/ɛ/	front low-mid unrounded	CUR K3:
long		
σ/	high back rounded vowel	Put p Ot,full f Ol
hort	-	-
'α /	low back unrounded vowel.	Aunt [α:nt], car / K α:/
ong		march /m a:t∫ / park
' ɔ /	low-mid back rounded.	Core Ko: SAW So:
ong		
'^/	central unrounded low-mid	putt/p^t/, hub,love
Short		
'ə/	mid-central vowel. Schwa	. about/ əbaƏt, upper əper,
hort		
	SHORT	Pit fill mid = plt fll mld
	i/ ong iu/ ong ie/ hort /o/ hort a/ a/ a/ a/ a/ a/ a/ a/ a/ a/ a/ a/ a/	ii/ is front, high and unrounded vowel. iu/ is back, high and rounded vowel. iu/ is back, high and rounded vowel. ong is high-mid, unrounded vowel. hort is high-mid back rounded vowel hort is front unrounded vowel a/ low front unrounded vowel ae/ =low front unrounded. front low-mid unrounded. is high back rounded vowel is ight back rounded vowel is ight back rounded vowel is ight back rounded vowel inort ight back rounded vowel ight back rounded vowel ight back rounded ight back rounded low-mid ight back rounded ig

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