Massachusetts Institute of Technology
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6.345 Automatic Speech Recognition
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IPA and ARPAbet Symbols

IPA	ARPAbet	Example	IPA	ARPAbet	Example
ɑ	aa	b*o*t	ɨ	ix	deb*i*t
æ	ae	b*a*t	i	iy	b*ee*t
ʌ	ah	b*u*t	ǰ	jh	*j*oke
ɔ	ao	b*ough*t	k	k	*k*ey
ɑʷ	aw	b*ou*t	k□	kcl	k closure
ə	ax	*a*bout	l	l	*l*ay
əʰ	ax-h	p*o*tato	m	m	*m*o*m*
ɚ	axr	butt*er*	n	n	*n*oo*n*
ɑʸ	ay	b*i*te	ŋ	ng	si*ng*
b	b	*b*ee	ɾ̃	nx	wi*nn*er
b□	bcl	b closure	o	ow	b*oa*t
č	ch	*ch*oke	ɔʸ	oy	b*oy*
d	d	*d*ay	p	p	*p*ea
d□	dcl	d closure	□	pau	pause
ð	dh	*th*en	p□	pcl	p closure
ɾ	dx	mu*dd*y	ʔ	q	a*t*las
ɛ	eh	b*e*t	r	r	*r*ay
l̩	el	bott*le*	s	s	*s*ea
m̩	em	botto*m*	š	sh	*sh*e
n̩	en	butto*n*	t	t	*t*ea
ŋ̍	eng	Wash*ing*ton	t□	tcl	t closure
□̇	epi	epinthetic silence	θ	th	*th*in
ɝ	er	b*ir*d	ʊ	uh	b*oo*k
e	ey	b*ai*t	u	uw	b*oo*t
f	f	*f*in	ü	ux	t*oo*t
g	g	*g*ay	v	v	*v*an
g□	gcl	g closure	w	w	*w*ay
h	hh	*h*ay	y	y	*y*acht
ɦ	hv	a*h*ead	z	z	*z*one
ɪ	ih	b*i*t	ž	zh	a*z*ure
-	h#	utterance initial and final silence			