

Consonant transformation patterns

russian\_g2p

if the letter is in the middle of the word

next phoneme	next letter	Ў	Л	М	Н	Р	Б	П	В	Ф	Г	К	Н	Х	Д	Т	З	С	Ж	Ш	З	Ц	Ж	Ш	Ц	Д	Т	Х	С	
unvoiced	sv1	J0	L0	M0	N0	R0	P0	P0	F0	F0	K0	K0	KH0	KH0	T0	T0	S0	S0	SH	SH	TS	TS	TSH0	TSH0	SH0	SH0	TS0	TS0	TSH	TSH
son+	sv	J0	L0	M0	N0	R0	B0	P0	V0	F0	G0	K0	GH0	KH0	D0	T0	Z0	S0	ZH	SH	DZ	DZ	DZH0	TSH0	ZH0	SH0	DZ0	TS0	DZH	TSH
voiced	sv	J0	L0	M0	N0	R0	B0	B0	V0	V0	G0	G0	GH0	GH0	D0	D0	Z0	Z0	ZH	ZH	DZ	TS	DZH0	DZH0	ZH0	ZH0	DZ0	DZ0	DZH	DZH
vocal	sv	J0	L0	M0	N0	R0	B0	P0	V0	F0	G0	K0	GH0	KH0	D0	T0	Z0	S0	ZH	SH	DZ	TS	DZH0	TSH0	ZH0	SH0	DZ0	TS0	DZH	TSH
unvoiced	else	J0	L	M	N	R	P	P	F	F	K	K	KH0	KH	T	T	S	S	SH	SH	TS	TS	TSH0	TSH0	SH0	SH0	TS0	TS0	TSH	TSH
son+	else	J0	L	M	N	R	B	P	V	F	G	K	GH	KH	D	T	Z	S	ZH	SH	DZ	TS	DZH0	TSH0	ZH0	SH0	DZ0	TS0	DZH	TSH
voiced	else	J0	L	M	N	R	B	B	V	V	G	G	GH	GH	D	D	Z	Z	ZH	ZH	DZ	DZ	DZH0	DZH0	ZH0	ZH0	DZ0	DZ0	DZH	DZH
vocal	else	J0	L	M	N	R	B	P	V	F	G	K	GH	KH	D	T	Z	S	ZH	SH	DZ	TS	DZH0	TSH0	ZH0	SH0	DZ0	TS0	DZH	TSH

if the letter is in the end of the word

next phoneme	next letter	Ў	Л	М	Н	Р	Б	П	В	Ф	Г	К	Н	Х	Д	Т	З	С	Ж	Ш	З	Ц	Ж	Ш	Ц	Д	Т	Х	С	
sil		J0	L	M	N	R	P	P	F	F	K	K	KH	KH	T	T	S	S	SH	SH	TS	TS	TSH0	TSH0	SH0	SH0	TS0	TS0	TSH	TSH
unvoiced	Ь	J0	L0	M0	N0	R0	P0	P0	F0	F0	K0	K0	KH0	KH0	T0	T0	S0	S0	SH	SH	TS	TS	TSH0	TSH0	SH0	SH0	TS0	TS0	TSH	TSH
son+	Ь	J0	L0	M0	N0	R0	P0	P0	F0	F0	K0	K0	KH0	KH0	T0	T0	S0	S0	SH	SH	TS	TS	TSH0	TSH0	SH0	SH0	TS0	TS0	TSH	TSH
voiced	Ь	J0	L0	M0	N0	R0	B0	B0	V0	V0	G0	G0	GH0	GH0	D0	D0	Z0	Z0	ZH	ZH	DZ	DZ	DZH0	DZH0	ZH0	ZH0	DZ0	DZ0	DZH	DZH
vocal	Ь	J0	L0	M0	N0	R0	P0	P0	F0	F0	K0	K0	KH0	KH0	T0	T0	S0	S0	SH	SH	TS	TS	TSH0	TSH0	SH0	SH0	TS0	TS0	TSH	TSH
unvoiced	else	J0	L	M	N	R	P	P	F	F	K	K	KH	KH	T	T	S	S	SH	SH	TS	TS	TSH0	TSH0	SH0	SH0	TS0	TS0	TSH	TSH
son+	else	J0	L	M	N	R	P	P	F	F	K	K	KH	KH	T	T	S	S	SH	SH	TS	TS	TSH0	TSH0	SH0	SH0	TS0	TS0	TSH	TSH
voiced	else	J0	L	M	N	R	B	B	V	V	G	G	GH	GH	D	D	Z	Z	ZH	ZH	DZ	DZ	DZH0	DZH0	ZH0	ZH0	DZ0	DZ0	DZH	DZH
vocal	else	J0	L	M	N	R	P	P	F	F	K	K	KH	KH	T	T	S	S	SH	SH	TS	TS	TSH0	TSH0	SH0	SH0	TS0	TS0	TSH	TSH

symbol	definition
unvoiced	unvoiced phonemes = { P, P0, F, F0, K, K0, KH, KH0, T, T0, S, S0, TS, TS0, TSH, TSH0, SH, SH0 }
voiced	voiced phonemes (except V, V0) = { B, B0, G, G0, GH, GH0, D, D0, Z, Z0, DZ, DZ0, DZH, DZH0, ZH, ZH0 }
vocal	vocal phonemes = { U, U0, O, O0, A, A0, E, E0, Y, Y0, I, I0 }
son+	sonorous phonemes and V, V0 = { J0, L, L0, M, M0, N, N0, R, R0 } ∪ { V, V0 }

Vowel transformation patterns

russian\_g2p

if the letter is in the i-th position in the word

i-1	i+1	Ё+	Ю+	Я+	Е+	О+	У+	А+	Э+	Ы+	И+	Ё	Ю	Я	Е	О	У	А	Э	Ы	И
Ъ Ъ	not a letter	J0O0	J0U0	J0A0	J0E0	J0O0	U0	A0	E0	Y0	J0I0	J0O	J0U	J0A	J0I	J0A	U	A	Y	Y	J0I
not a letter	not a letter	J0O0	J0U0	J0A0	J0E0	O0	U0	A0	E0	Y0	I0	J0O	J0U	J0A	J0I	A	U	A	Y	Y	I
вowel	not a letter	J0O0	J0U0	J0A0	J0E0	O0	U0	A0	E0	Y0	I0	J0O	J0U	J0A	J0I	A	U	A	Y	Y	I
Ъ Ъ	any letter	J0O0	J0U0	J0A0	J0E0	J0O0	U0	A0	E0	Y0	J0I0	J0O	J0U	J0I	J0I	J0A	U	A	Y	Y	J0I
not a letter	any letter	J0O0	J0U0	J0A0	J0E0	O0	U0	A0	E0	Y0	I0	J0O	J0U	J0I	J0I	A	U	A	Y	Y	I
vowel	any letter	J0O0	J0U0	J0A0	J0E0	O0	U0	A0	E0	Y0	I0	J0O	J0U	J0I	J0I	A	U	A	Y	Y	I
not paired soft	not a letter	O0	U0	A0	E0	O0	U0	A0	E0	Y0	I0	O	U	A	I	A	U	A	Y	Y	I
not paired soft	any letter	O0	U0	A0	E0	O0	U0	A0	E0	Y0	I0	O	U	I	I	I	U	I	Y	Y	I
not paired hard	not a letter	O0	U0	A0	E0	O0	U0	A0	E0	Y0	Y0	O	U	A	Y	A	U	A	Y	Y	Y
not paired hard	any letter	O0	U0	A0	E0	O0	U0	A0	E0	Y0	Y0	O	U	Y	Y	A	U	A	Y	Y	Y
paired soft or hard	not a letter	O0	U0	A0	E0	O0	U0	A0	E0	Y0	I0	O	U	A	I	A	U	A	Y	Y	I
paired soft or hard	any letter	O0	U0	A0	E0	O0	U0	A0	E0	Y0	I0	O	U	I	I	A	U	A	Y	Y	I

symbol	definition
vowel	{ Ё, Ю, Я, Е, О, У, А, Э, Ы, И }
not paired soft	{ *J, Ч, *D, *T, *G, Ш, Ў }
not paired hard	{ *X, *S, *Z, Ц, Ж, ИИ }
paired soft or hard	{ Б, П, В, Ф, Г, К, *Н, Х, Д, Т, З, С }
softing vowels	{ Ё, Ю, Я, Е, Ъ }