ISO396-3	BS20						DeepSPIN20		IMS20		BS21	CL21	UBC21		DP21
	LSTM		transformer		pair n-gram							CL	UBC-1	UBC-2	
	WER	PER	WER	PER	WER	PER	WER	PER	WER	PER	WER	WER	WER	WER	
ady^{B}	28.00	*6.53*	28.44	*6.49*	32.00	*7.56*	24.67[3]		25.00	*5.79*	**22.00**	**22.00**[23]	25.00	**22.00**	
bul^{A}	31.11	*5.94*	34.00	*7.89*	41.33	*9.05*	-		22.22	*4.85*	**18.30**	18.80[6]			
cym (wel)^{B}											**10.00**	**10.00**[1]	13.00	12.00	
ell (gre)^{B}	18.89	*3.30*	18.89	*3.06*	21.78	*4.05*	-		**18.67**	*2.97*	21.00	20.00[13]	22.00	22.00	
eng(_us)											41.94				**37.43**
fra (fre)^{A}	6.22	*1.32*	6.89	*1.72*	13.56	*3.12*	**5.11**[3]		6.89	*1.60*	8.50	7.50[456]			
hbs^{A}											**32.10**	35.3[7]			
hin	6.67	*1.47*	9.56	*2.40*	12.67	*4.05*	-		**5.11**	*1.20*					
hun^{A}	5.33	*1.18*	5.33	*1.28*	6.67	*1.51*	-		5.11	*1.12*	1.80	**1.00**[67]			
hye (arm)^{A}	14.67	*3.49*	14.22	*3.29*	18.00	*3.90*	-		12.67	*2.94*	7.00	**6.40**[7]			
ice^{B}	10.00	*2.36*	10.22	*2.21*	17.56	*3.62*	-		**9.33**	*2.04*	12.00	10.00[13]	13.00	11.00	
ita^{B}											**19.00**	31.00[3]	20.00	22.00	
jpn(_hira)^{A}	7.56	*1.79*	7.33	*1.86*	9.56	*2.07*	**4.89**[4]		5.33	*1.26*	5.20	5.00[7]			
kat (geo)^{A}	26.44	*5.14*	28.00	*5.43*	37.78	*6.48*	-		24.89	*4.57*	**0.00**	**0.00**[4567]			
khm^{B}											34.00	32.00[13]	31.00	**28.00**	
kor^{A}	46.89	*16.78*	43.78	*17.50*	52.22	*15.88*	24.00[13]		26.22	*4.38*	16.30	**16.20**[4]			

lav^{B}											55.00	**49.00**^{23}	58.00	**49.00**
lit	**19.11**	*3.55*	20.67	*3.65*	23.11	*4.43*	-		20.00	*3.63*				
mlt(_ltn)^{B}											19.00	12.00^{1}	19.00	18.00
nld (dut)^{A}	16.44	*2.94*	15.78	*2.89*	23.78	*3.97*	-		**13.56**	*2.36*	14.70	14.70^{7}		
rum^{B}	10.67	*2.53*	12.00	*3.62*	11.56	*3.55*	**9.78**^{3}		10.22	*2.23*	10.00	12.00^{3}	14.00	10.00
slv^{B}											49.00	50.00^{1}	56.00	**47.00**
vie^{A}	4.67	*1.52*	7.56	*2.27*	8.44	*1.79*	**0.89**^{2}		1.56	*0.48*	2.50	2.00^{57}		
macro	16.84	*3.99*	17.51	*4.30*	22.00	*4.92*	14.15	*2.92*	13.81	*2.76*				
macro low											25.10		27.10	24.10
macro medium											10.60			

Superscript numbers denote model numbers. Numbers in bold denote best model for one language (only WER). Languages in bold are in the 100LC corpus. ^{A}: medium resource languages in 2021. ^{B}: low resource languages in 2021

BS20: Link
DeepSPIN: Transformer- or LSTM-based enc-dec seq2seq models with sparse attention. Add language embedding to enc and dec states instead of language token. The WER scores are not available for all languages. Neither are the PER scores available. Link
IMS: Self training ensemble of one n-gram-based FST and 3 seq2seq (vanilla with attention, hard monotonic attention with pointer, hybrid of hard monotonic attention and tagging model) Link
BS21: similar to CL21 Link
CL21: LSTM-based neural transducer with pointer network-like monotonic hard attention trained with imitation learning 7 different, but still very similar ensembles of one model. Link
UBC21: UBC-2 baseline variant with vowel error punishment. UBC-1 baseline variant with syllable prediction. Link
DP21: Majority-vote ensemble consisting of 7 different models Link