

Senone set	Model/combination step	WER	WER	WER	WER
		devset	test	devset	test
		ngram-LM		LSTM-LMs	
9k	BLSTM	11.5	8.3	9.2	6.3
27k	BLSTM	11.4	8.0	9.3	6.3
27k-puhpum	BLSTM	11.3	8.0	9.2	6.3
9k	BLSTM+ResNet+LACE+CNN-BLSTM	9.6	7.2	7.7	5.4
9k-puhpum	BLSTM+ResNet+LACE	9.7	7.4	7.8	5.4
9k-puhpum	BLSTM+ResNet+LACE+CNN-BLSTM	9.7	7.3	7.8	5.5
27k	BLSTM+ResNet+LACE	10.0	7.5	8.0	5.8
-	Confusion network combination			7.4	5.2
-	+ LSTM rescoring			7.3	5.2
-	+ ngram rescoring			7.2	5.2
-	+ backchannel penalty			7.2	5.1