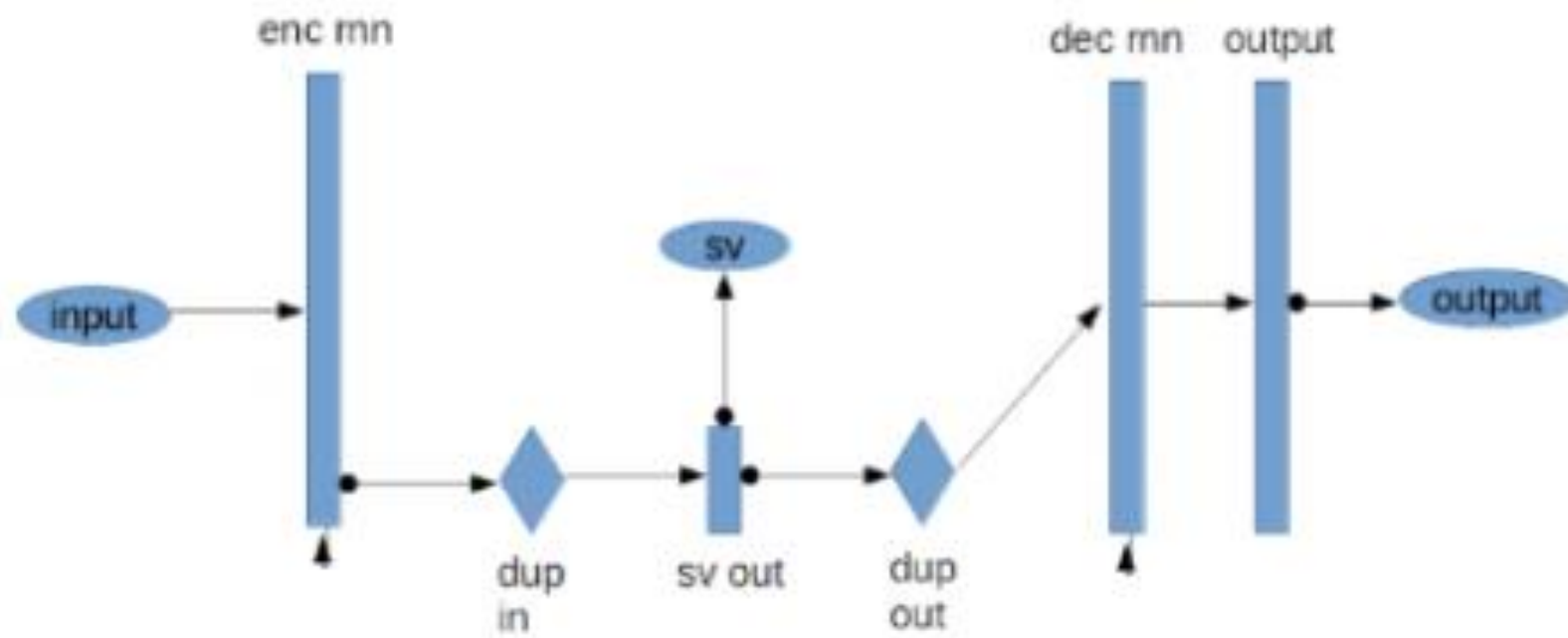
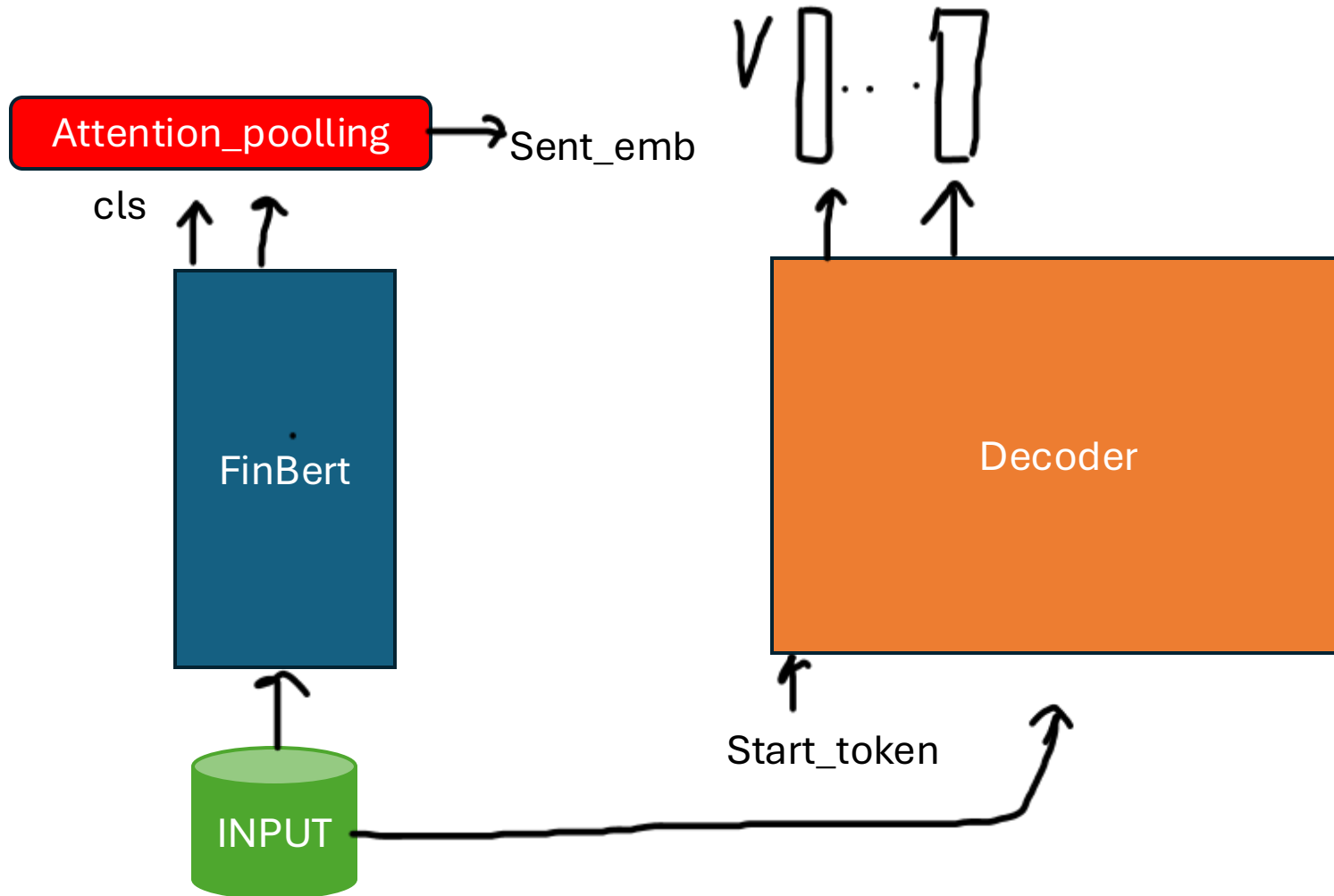


Invertible sentence embeddings

1)RNN

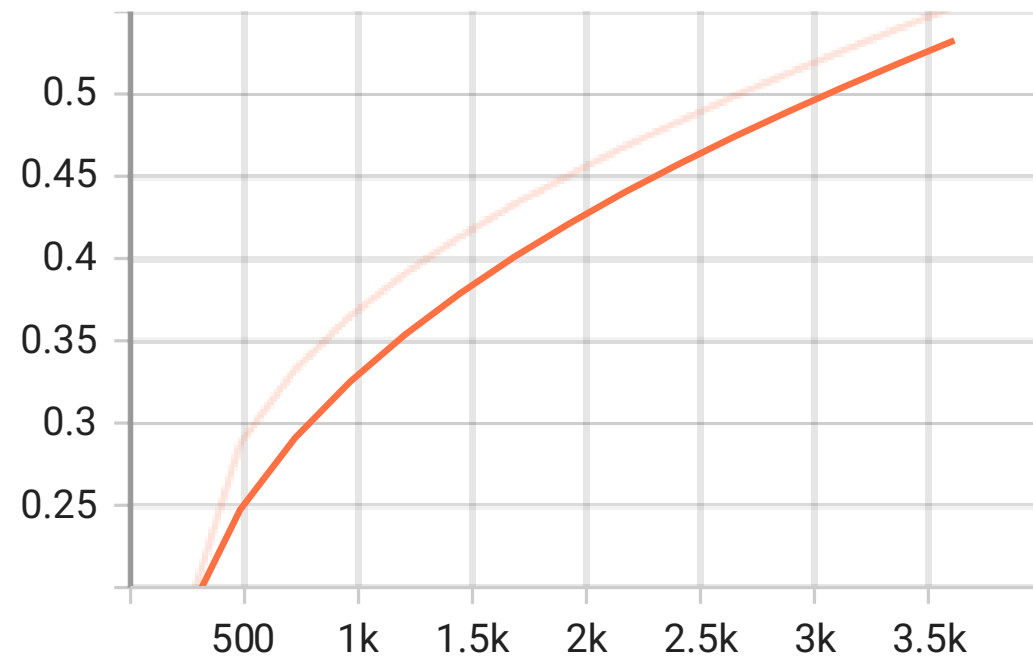
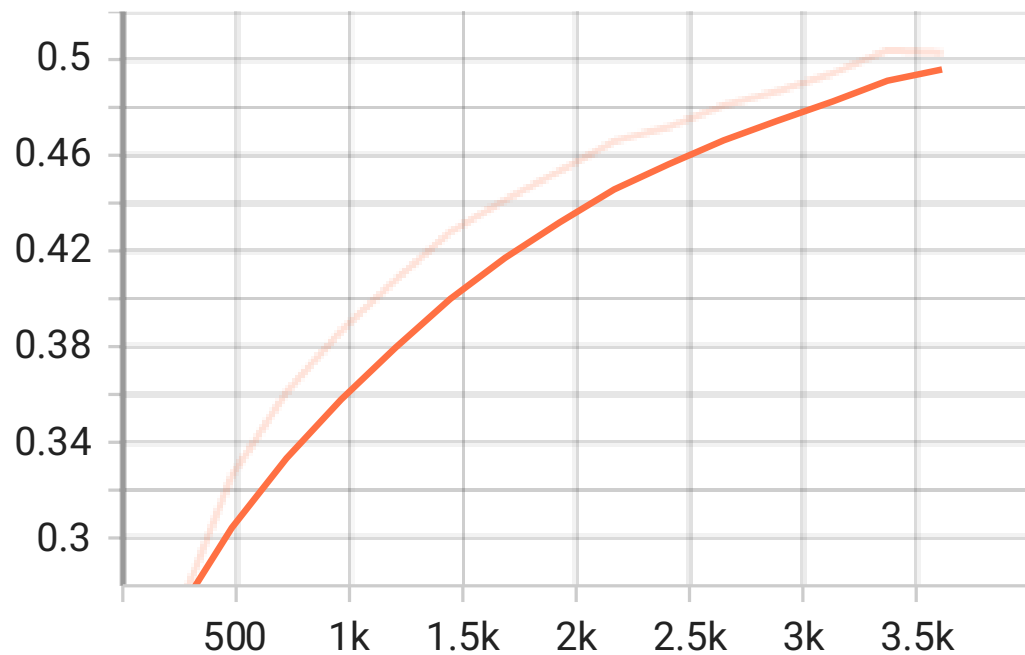


2)Transformer



Графики

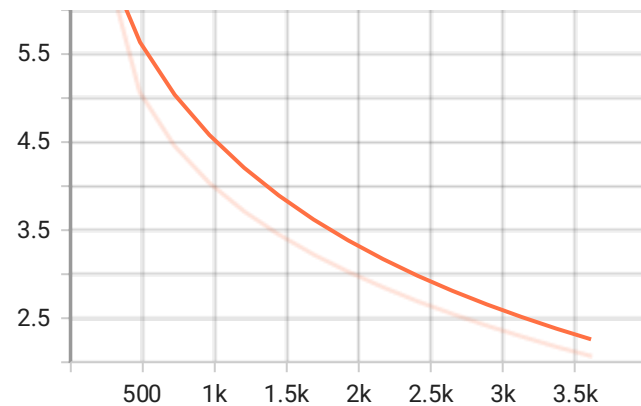
Accuracy



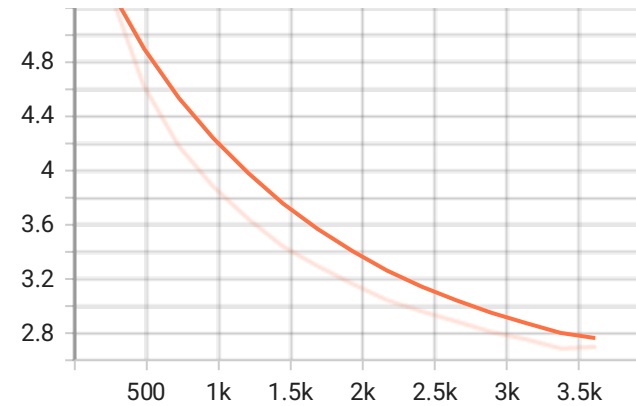
Графики

Loss

train

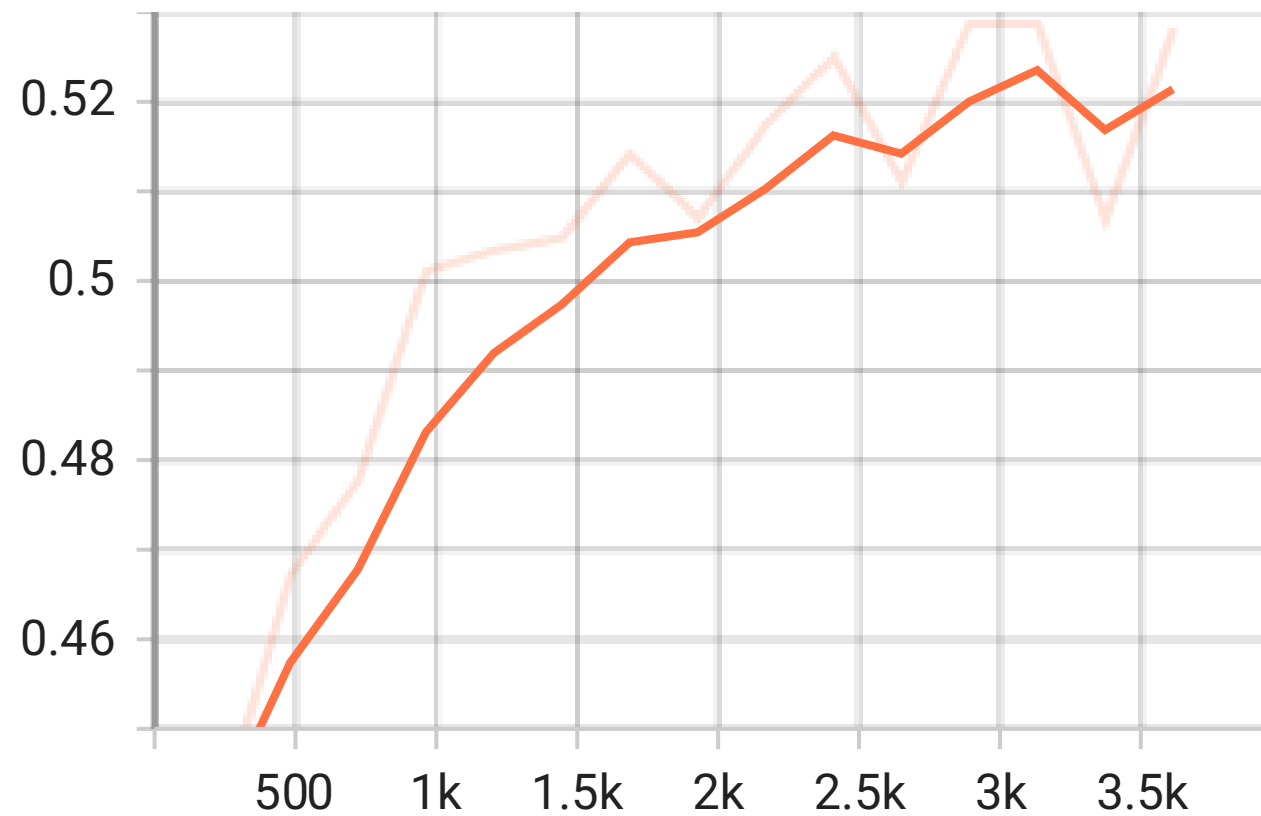


validation



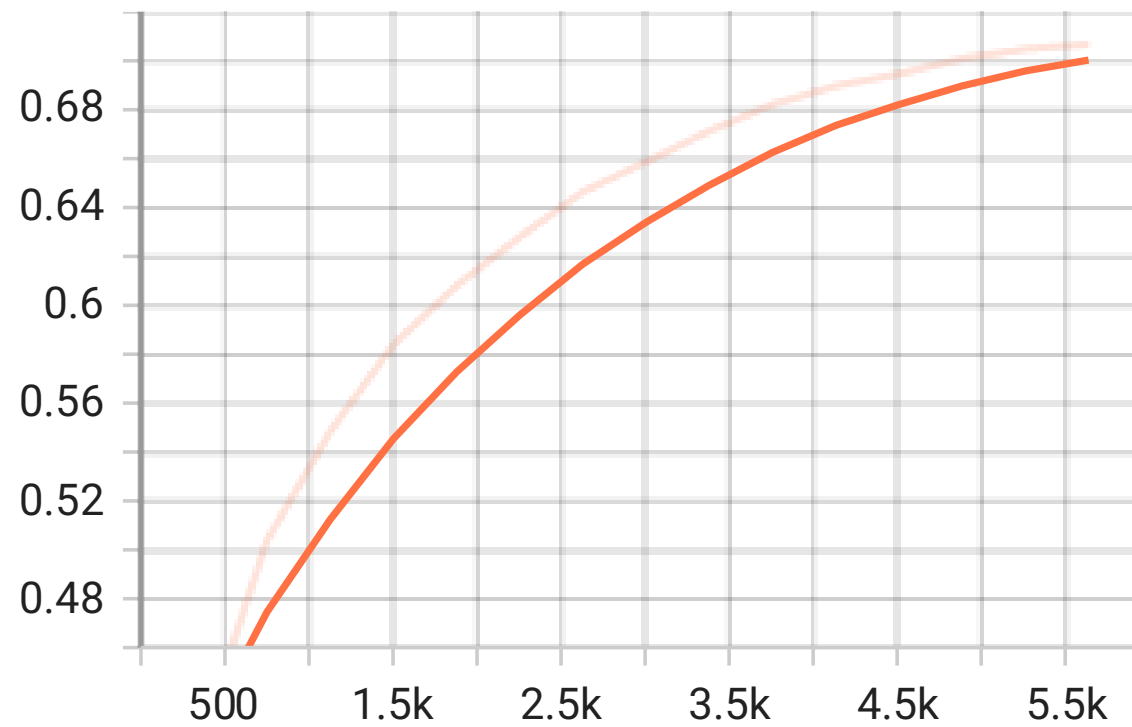
Графики

Bert-score



Графики

Top-5



Results

model	dim	Valid_accuracy	Bert_score	Top-5
Encoder_only	1568			
Cls_decoder	768	0.41	0.58	0.63
Decoder_att_pool	768	0.44	0.57	
	1568	0.51	0.61	
	2560	0.55	0.65	0.74

Примеры

INPUT	DECODED from sentence embedding
exclusive : crowdstrike hires goldman sachs to lead ipo - sources,	'exclusive : goldman sachs hires goldman sachs to lead ipo - sources'
consumer giants spurn risks to chase online subscribers'	consumer giants spurn consumer risks to online subscribers
t - mobile beats estimates for phone subscribers'	t - mobile beats estimates for phone subscribers
johnson & johnson to stop selling talc baby powder in u. s. and canada	johnson & johnson to stop selling baby powder in u. s. and baby powder for canada
bayer says monsanto likely kept files on influential people across europe'	bayer says monsanto likely put on some countries sick people in europe
novartis wins expanded european ok for cosentyx amid pursuit of \$ 5 billion sales	novartis wins new novartis for potential sales of \$ 5 billion shire for potential expansion
uber offers to share journey data with london city planners	uber reveals plans to data with london property'