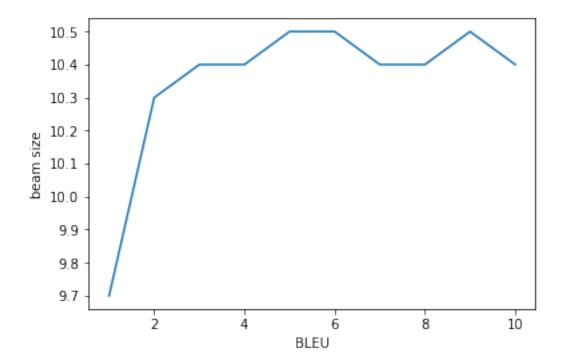
$$asg_5_ex_2$$

May 28, 2020



Comments:

- From beamsize 1 up to 6, the BLEU is increasing or at least staying the same
- From beamsize 7-10, BLEU decreases resp. starts to get values, which seem to be random between previous values.
- From 7-10, BLEU does not decrease significantly, but it either increases anymore.
- To me it looks like translation quality does not get improved any further from around beamsize 6 up.
- The really obvious increasings are between beamsize 1 5.

- What is interesting to see, is that the difference by only considering a second option, instead of only one -(sub)word is already increasing translation quality significantly from 9.7 to 10.3.
- These tests were done with a vocabulary of 4000 subwords.

Data:

*-					*
 -	use BPE	bea	am_size	1	BLEU
	yes	1	1		9.7 *
	yes	1	2		10.3
*- *-	yes	I	3		10.4 *
 	yes		4		10.4 *
	yes	1	5		10.5
	yes	I	6		10.5 *
*- *-	yes	I	7		10.4 *
 -	yes	I	8		10.4
- *-	yes		9		* 10.5 *
İ	yes		10	-*-·	10.4
*-	 -		 -	- ↑	*