

Mami Hackl and Nat Byington
LING 572 HW6
Notes file

Q2

Table 1:

beam_search	topN	topK	Test accuracy	Running time
0	1	1	0.964005	75 seconds
1	3	5	0.965181	103 seconds
2	5	10	0.965196	156 seconds
3	10	100	0.965196	572 seconds

Q3

With this particular task using this particular data, increasing beam_size, N, or K does not increase accuracy enough to warrant the extra time/resources. This wouldn't necessarily be true for other data sets or other tasks.