Average perplexity of smoothing models:

LM1:
   "Pride and Prejudice - Jane Austen.txt" + kneser ney smoothing
      train:3.87704456037714
      test: 680.364300526354

LM2:
 "Pride and Prejudice - Jane Austen.txt" + witten bell smoothing
      train:2.886633347800083
      test:76.53710156395842

LM3:
 "corpus/Ulysses - James Joyce.txt"+ kneser ney smoothing
      train:4.573136986370531
      test:205.30112811534445

LM4:
  "corpus/Ulysses - James Joyce.txt"+witten bell smoothing
      train:3.6422831162616753
      test:102.40780908526048

It can be observed that witten bell smoothing performs better than the kneser ney smoothing.We also observe less perplexity values on test for models trained on large set of data.

Average perplexity on neural language model:

LM5:
 "Pride and Prejudice - Jane Austen.txt"+neural language model
      train:0.9968153407574312
      test:0.9687357257097478

LM6:
  "corpus/Ulysses - James Joyce.txt"+neural language model

train:0.9980476811337683
Test:0.9998586245388407

We can observe that neural language model gives better results(less perplexity) for both train and test data compared to smoothing techniques