**4 instances – 3grams files**

Run j-3JO6LDAS82MIF

Total key value pairs sent

With local aggregation: 735530 + 1253537 + 5 + 1029984 = 3019056

Without local aggregation: 29018786 + 1749226 + 645958 + 1103266 = 32517236

Run time: 19 minutes

**2 instances – 3grams files**

Run j-3TDR2YE1HZ996

Total key value pairs sent

With local aggregation: 735530 +1163453 + 1 + 735506 = 2634490

Without local aggregation: 29018786 + 1749226 + 645958 +1103266 = 32517236

Run time: 34 minutes

4 instances custom input

j-FFKW8N9A6QCK

With local aggregation: 82 +275 + 5 + 113 = 475

Without local aggregation: 82 + 287 + 164 +123 = 656

Run time: 8 mins

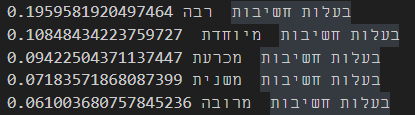
2 instances custom input

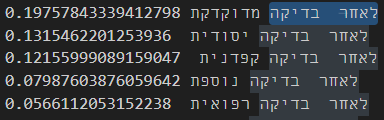
j-2I0EIIU97A7YB

With local aggregation: 82 +233 + 1 + 82 = 398

Without local aggregation: 82 + 287 + 164 +123 = 656

Run time: 7 mins



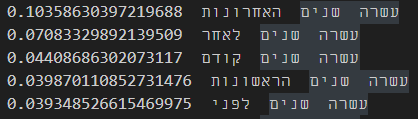


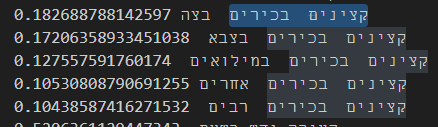
A black background with white numbers

Description automatically generated

A screenshot of a computer screen

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ניתן לראות שהמילים שהמילים המנובאות באמת הגיוניות.