

Проект, результаты

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Everything in MBs
DATA1 with shuffled strings
file
(533.552 max memory)

DATA1

gzip
compression rate 78.1%
encode ended in 12.01
decode ended in 2.51

dict 6400
compression rate 76.8%
learning is successful in 1.211351
encode ended in 9.933260
decode ended in 5.668298
(799.612 max memory)

dict 12400 — default
compression rate 78.86%
learning is successful in 1.483162
encode ended in 10.076043
decode ended in 7.410965
(799.412 max memory)

dict 32000
compression rate 81.73%
learning is successful in 2.04
encode ended in 18.017054
decode ended in 8.070312
(898.552 max memory)

dict 64000
compression rate 83.42%
learning is successful in 3.221664
encode ended in 24.816413
decode ended in 7.410371
(1350.936 max memory)

dict 150000
compression rate 84.09%
learning is successful in 12.380281
encode ended in 32.145234

decode ended in 7.664169
(3554.448 max memory)

don't wanna to test it for 200000 dictionary, useless

DATA2 with shuffled strings
file
(1273.640 max memory)

gzip
compression rate 66.5%
encode ended in 10.94
decode ended in 2.55

DATA2

dict 6400
compression rate 66.37% almost green
learning is successful in 1.226627
encode ended in 7.775823
decode ended in 6.681998
(1272.968 max memory)

dict 12400 — default
compression rate 67.19%
learning is successful in 1.273663
encode ended in 9.149155
decode ended in 9.153336
(1273.212 max memory)

dict 64000
compression rate 67.86%
learning is successful in 1.883170
encode ended in 12.292589
decode ended in 9.616541
(1332.200 max memory)

dict 150000
compression rate 67.72%
learning is successful in 2.953230
encode ended in 14.963591
decode ended in 12.619174
(1793.368 max memory)

dict 200000
compression rate 68.02%
learning is successful in 3.520143
encode ended in 16.072866
decode ended in 11.586578
(2120.056 max memory)

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DATA3 with shuffled strings

gzip

compression rate 60.9%

encode ended in 60.49s

decode ended in 3.55s

file

(2039.736 max memory)

dict 6400

compression rate 59.56%

learning is successful in 1.627496

encode ended in 15.186489

decode ended in 13.115313

(2040.212 max memory)

dict 12400 — default

compression rate 61.17%

learning is successful in 1.724270

encode ended in 18.525784

decode ended in 14.324047

(2038.880 max memory)

dict 64000

compression rate 64.38%

learning is successful in 2.677720

encode ended in 30.240758

decode ended in 18.856124

(2280.012 max memory)

dict 150000

compression rate 65.03%

learning is successful in 4.237234

encode ended in 41.388481

decode ended in 19.630366

(2867.624 max memory)

dict 200000

compression rate 65.48%

learning is successful in 6.187234

encode ended in 39.508481

decode ended in 18.770366

(3094.932 max memory)