Hash1:

Table Size:1040

Time to hash 25143 words is 37 milliseconds.

Number of elements = 25143

Maximum list length = 166

Optimal list length = 25

Average # compares = 24.825796127319336

Standard deviation = 24.684877403409043

Table Size:1041

Time to hash 25143 words is 29 milliseconds.

Number of elements = 25143

Maximum list length = 86

Optimal list length = 25

Average # compares = 17.269060134887695

Standard deviation = 12.904406439539063

Table Size:1042

Time to hash 25143 words is 37 milliseconds.

Number of elements = 25143

Maximum list length = 81

Optimal list length = 25

Average # compares = 18.512189865112305

Standard deviation = 13.97091368913932

Table Size:1043 (best)

Time to hash 25143 words is 28 milliseconds.

Number of elements = 25143

Maximum list length = 76

Optimal list length = 25

Average # compares = 16.732013702392578

Standard deviation = 12.505598501544458

Table Size:1044 (poor)

Time to hash 25143 words is 53 milliseconds.

Number of elements = 25143

Maximum list length = 328

Optimal list length = 25

Average # compares = 34.15726089477539

Standard deviation = 52.333549090861496

Table Size:1045

Time to hash 25143 words is 40 milliseconds.

Number of elements = 25143

Maximum list length = 244

Optimal list length = 25

Average # compares = 31.449588775634766

Standard deviation = 42.821871177374064

Table Size:1046

Time to hash 25143 words is 32 milliseconds.

Number of elements = 25143

Maximum list length = 91

Optimal list length = 25

Average # compares = 18.67144012451172

Standard deviation = 14.37624612543189

Table Size:1047

Time to hash 25143 words is 30 milliseconds.

Number of elements = 25143

Maximum list length = 83

Optimal list length = 25

Average # compares = 17.24575424194336

Standard deviation = 13.005847570802768

Table Size:1048

Time to hash 25143 words is 33 milliseconds.

Number of elements = 25143

Maximum list length = 95

Optimal list length = 24

Average # compares = 19.851728439331055

Standard deviation = 15.773960780843721

Table Size:1049

Time to hash 25143 words is 32 milliseconds.

Number of elements = 25143

Maximum list length = 78

Optimal list length = 24

Average # compares = 16.526229858398438

Standard deviation = 12.347193581575025

Table Size:1050 (poor)

Time to hash 25143 words is 53 milliseconds.

Number of elements = 25143

Maximum list length = 157

Optimal list length = 24

Average # compares = 24.428190231323242

Standard deviation = 24.25277923883429

Hash2:

Table Size:1040

Time to hash 25143 words is 36 milliseconds.

Number of elements = 25143

Maximum list length = 67

Optimal list length = 25

Average # compares = 16.293560028076172

Standard deviation = 11.913522748115788

Table Size:1041

Time to hash 25143 words is 22 milliseconds.

Number of elements = 25143

Maximum list length = 43

Optimal list length = 25

Average # compares = 13.139204025268555

Standard deviation = 7.890680634087666

Table Size:1042

Time to hash 25143 words is 24 milliseconds.

Number of elements = 25143

Maximum list length = 47

Optimal list length = 25

Average # compares = 13.256214141845703

Standard deviation = 8.084408521548648

Table Size:1043 (best)

Time to hash 25143 words is 21 milliseconds.

Number of elements = 25143

Maximum list length = 40

Optimal list length = 25

Average # compares = 13.077675819396973

Standard deviation = 7.80722988434817

Table Size:1044

Time to hash 25143 words is 23 milliseconds.

Number of elements = 25143

Maximum list length = 55

Optimal list length = 25

Average # compares = 14.658234596252441

Standard deviation = 10.218272576503743

Table Size:1045

Time to hash 25143 words is 33 milliseconds.

Number of elements = 25143

Maximum list length = 42

Optimal list length = 25

Average # compares = 13.055642127990723

Standard deviation = 7.813446749327436

Table Size:1046

Time to hash 25143 words is 32 milliseconds.

Number of elements = 25143

Maximum list length = 43

Optimal list length = 25

Average # compares = 13.210158348083496

Standard deviation = 8.047618160202077

Table Size:1047

Time to hash 25143 words is 22 milliseconds.

Number of elements = 25143

Maximum list length = 46

Optimal list length = 25

Average # compares = 13.09613037109375

Standard deviation = 7.897970507011872

Table Size:1048

Time to hash 25143 words is 24 milliseconds.

Number of elements = 25143

Maximum list length = 58

Optimal list length = 24

Average # compares = 15.173487663269043

Standard deviation = 10.52305691572698

Table Size:1049

Time to hash 25143 words is 26 milliseconds.

Number of elements = 25143

Maximum list length = 49

Optimal list length = 24

Average # compares = 13.036272048950195

Standard deviation = 7.831248331181126

Table Size:1050 (poor)

Time to hash 25143 words is 40 milliseconds.

Number of elements = 25143

Maximum list length = 48

Optimal list length = 24

Average # compares = 13.15065860748291

Standard deviation = 8.011165944373529

Hash3:

Table Size:1040

Time to hash 25143 words is 25 milliseconds.

Number of elements = 25143

Maximum list length = 42

Optimal list length = 25

Average # compares = 13.091516494750977

Standard deviation = 7.790546570381103

Table Size:1041 (best)

Time to hash 25143 words is 20 milliseconds.

Number of elements = 25143

Maximum list length = 41

Optimal list length = 25

Average # compares = 13.070635795593262

Standard deviation = 7.782210942084309

Table Size:1042

Time to hash 25143 words is 22 milliseconds.

Number of elements = 25143

Maximum list length = 45

Optimal list length = 25

Average # compares = 13.107624053955078

Standard deviation = 7.860512335375843

Table Size:1043

Time to hash 25143 words is 23 milliseconds.

Number of elements = 25143

Maximum list length = 41

Optimal list length = 25

Average # compares = 13.036869049072266

Standard deviation = 7.750783668343877

Table Size:1044

Time to hash 25143 words is 24 milliseconds.

Number of elements = 25143

Maximum list length = 45

Optimal list length = 25

Average # compares = 13.044902801513672

Standard deviation = 7.770206565580656

Table Size:1045

Time to hash 25143 words is 23 milliseconds.

Number of elements = 25143

Maximum list length = 39

Optimal list length = 25

Average # compares = 13.034363746643066

Standard deviation = 7.7699085918912685

Table Size:1046

Time to hash 25143 words is 27 milliseconds.

Number of elements = 25143

Maximum list length = 41

Optimal list length = 25

Average # compares = 13.018454551696777

Standard deviation = 7.755289033344091

Table Size:1047

Time to hash 25143 words is 22 milliseconds.

Number of elements = 25143

Maximum list length = 41

Optimal list length = 25

Average # compares = 12.916000366210938

Standard deviation = 7.60545886973207

Table Size:1048

Time to hash 25143 words is 23 milliseconds.

Number of elements = 25143

Maximum list length = 42

Optimal list length = 24

Average # compares = 13.002426147460938

Standard deviation = 7.757097804590504

Table Size:1049

Time to hash 25143 words is 23 milliseconds.

Number of elements = 25143

Maximum list length = 43

Optimal list length = 24

Average # compares = 12.996221542358398

Standard deviation = 7.767032778794493

Table Size:1050 (poor)

Time to hash 25143 words is 41 milliseconds.

Number of elements = 25143

Maximum list length = 40

Optimal list length = 24

Average # compares = 12.925545692443848

Standard deviation = 7.653985374546783

Hash4:

Table Size:1040

Time to hash 25143 words is 29 milliseconds.

Number of elements = 25143

Maximum list length = 40

Optimal list length = 25

Average # compares = 13.075885772705078

Standard deviation = 7.77594438049824

Table Size:1041

Time to hash 25143 words is 25 milliseconds.

Number of elements = 25143

Maximum list length = 43

Optimal list length = 25

Average # compares = 13.069999694824219

Standard deviation = 7.773799508003952

Table Size:1042 (best)

Time to hash 25143 words is 21 milliseconds.

Number of elements = 25143

Maximum list length = 39

Optimal list length = 25

Average # compares = 13.051902770996094

Standard deviation = 7.769118676824549

Table Size:1043

Time to hash 25143 words is 24 milliseconds.

Number of elements = 25143

Maximum list length = 41

Optimal list length = 25

Average # compares = 13.05158519744873

Standard deviation = 7.781186848591055

Table Size:1044

Time to hash 25143 words is 23 milliseconds.

Number of elements = 25143

Maximum list length = 39

Optimal list length = 25

Average # compares = 13.030385971069336

Standard deviation = 7.739193568599825

Table Size:1045

Time to hash 25143 words is 30 milliseconds.

Number of elements = 25143

Maximum list length = 39

Optimal list length = 25

Average # compares = 13.040011405944824

Standard deviation = 7.775019202313624

Table Size:1046

Time to hash 25143 words is 22 milliseconds.

Number of elements = 25143

Maximum list length = 45

Optimal list length = 25

Average # compares = 13.001193046569824

Standard deviation = 7.72790788782778

Table Size:1047

Time to hash 25143 words is 23 milliseconds.

Number of elements = 25143

Maximum list length = 41

Optimal list length = 25

Average # compares = 13.057868957519531

Standard deviation = 7.825201317848225

Table Size:1048

Time to hash 25143 words is 25 milliseconds.

Number of elements = 25143

Maximum list length = 40

Optimal list length = 24

Average # compares = 12.991090774536133

Standard deviation = 7.725890353230582

Table Size:1049

Time to hash 25143 words is 24 milliseconds.

Number of elements = 25143

Maximum list length = 39

Optimal list length = 24

Average # compares = 13.004773139953613

Standard deviation = 7.760702195987247

Table Size:1050 (poor)

Time to hash 25143 words is 40 milliseconds.

Number of elements = 25143

Maximum list length = 42

Optimal list length = 24

Average # compares = 12.972795486450195

Standard deviation = 7.733478173014451