

start at elapsed time 6054719.1795, cpu time 0.0639
finish reading at elapsed time 6054919.2098, cpu time 199.9461
total elapsed time 200.0303, cpu time 199.8822

Number of words: 35605432
Number of types (distinct words): 161817

Unigram counts:

<	35605432
>	35605432
a	15139928
b	2616252
c	5647390
d	7278997
e	20967917
f	3683653
g	3498005
h	7772366
i	12943475
j	406601
k	1356413
l	6913366
m	4302869
n	12608086
o	12683853
p	3857595
q	159197
r	11227022
s	11892504
t	15198549
u	4518423
v	1762539
w	2970951
x	316171
y	2764343
z	202836

Bigram row totals:

<*	35605432
a*	15139928
b*	2616252
c*	5647390
d*	7278997
e*	20967917
f*	3683653
g*	3498005
h*	7772366
i*	12943475
j*	406601
k*	1356413
l*	6913366
m*	4302869
n*	12608086
o*	12683853
p*	3857595
q*	159197
r*	11227022
s*	11892504
t*	15198549
u*	4518423
v*	1762539
w*	2970951
x*	316171
y*	2764343

z* 202836

Bigram counts:

<a	4138648
<b	1653885
<c	1936654
<d	1206829
<e	749495
<f	1492262
<g	637357
<h	1513053
<i	2198282
<j	308593
<k	207867
<l	831325
<m	1405923
<n	841661
<o	2144947
<p	1617461
<q	68034
<r	1163466
<s	3230025
<t	5220475
<u	450040
<v	272140
<w	2014548
<x	4116
<y	281077
<z	17269
a>	1243123
aa	6141
ab	269419
ac	552121
ad	529897
ae	43648
af	165656
ag	352444
ah	33556
ai	958890
aj	25737
ak	208112
al	1380541
am	445400
an	2667182
ao	6422
ap	324417
aq	15432
ar	1597469
as	1252327
at	1919163
au	195295
av	271771
aw	102312
ax	24272
ay	516907
az	32274
b>	53182
ba	291481
bb	19990
bc	14413
bd	3427
be	712949
bf	81
bg	175

bh	1422
bi	177630
bj	11675
bk	78
bl	248035
bm	5912
bn	845
bo	309177
bp	1038
bq	15
br	149581
bs	47162
bt	12689
bu	334166
bv	2989
bw	1278
bx	74
by	216649
bz	139
c>	205011
ca	761791
cb	6197
cc	106486
cd	3109
ce	882840
cf	1227
cg	1849
ch	715069
ci	389251
cj	30
ck	260173
cl	207684
cm	2240
cn	1663
co	1098687
cp	993
cq	7913
cr	239031
cs	27218
ct	463394
cu	197559
cv	139
cw	151
cx	130
cy	64277
cz	3278
d>	3887230
da	441558
db	3114
dc	8392
dd	54665
de	1182943
df	4121
dg	48553
dh	6747
di	607201
dj	4420
dk	663
dl	42023
dm	38120
dn	54657
do	276692
dp	2145
dq	4150

dr	136426
ds	143622
dt	8645
du	215793
dv	25058
dw	15999
dx	44
dy	64331
dz	1685
e>	6420346
ea	1036320
eb	68379
ec	611049
ed	1844046
ee	543555
ef	217805
eg	189221
eh	34650
ei	225073
ej	10760
ek	69018
el	683955
em	466198
en	1886146
eo	119685
ep	305357
eq	39036
er	2816793
es	1809054
et	562107
eu	29550
ev	285592
ew	228841
ex	234315
ey	214184
ez	16882
f>	1148341
fa	193544
fb	4267
fc	1504
fd	1302
fe	293476
ff	250619
fg	7621
fh	140
fi	446724
fj	19
fk	540
fl	90025
fm	1808
fn	452
fo	676809
fp	92
fr	311043
fs	8827
ft	130816
fu	104696
fv	9
fw	505
fx	90
fy	10047
fz	337
g>	1149573
ga	293960

gb	1049
gc	289
gd	2742
ge	578698
gf	1500
gg	39603
gh	304402
gi	164425
gj	422
gk	1237
gl	48337
gm	6832
gn	107569
go	274364
gp	486
gq	44
gr	256136
gs	67047
gt	48328
gu	128694
gv	170
gw	1251
gx	83
gy	20630
gz	134
h>	836796
ha	1215621
hb	9242
hc	1397
hd	12033
he	3642477
hf	1816
hg	251
hh	2071
hi	813653
hj	134
hk	1075
hl	16244
hm	12494
hn	36995
ho	672430
hp	568
hq	2114
hr	115851
hs	29471
ht	174708
hu	131618
hv	1529
hw	13525
hx	11
hy	28226
hz	16
i>	230200
ia	459778
ib	87339
ic	979766
id	938596
ie	524475
if	183413
ig	380362
ih	3327
ii	13655
ij	9338
ik	66076

il	781409
im	328655
in	3309840
io	998991
ip	104043
iq	7128
ir	470518
is	1277406
it	1348074
iu	12357
iv	314372
iw	2481
ix	29880
iy	2219
iz	79777
j>	10033
ja	85611
jb	49
jc	282
jd	201
je	63081
jf	164
jg	14
jh	47
ji	12037
jj	89
jk	120
jl	103
jm	97
jn	334
jo	104818
jp	42
jq	1
jr	6191
js	112
jt	3697
ju	119184
jv	185
jw	36
jx	22
jy	22
jz	29
k>	367534
ka	78454
kb	1219
kc	215
kd	2134
ke	416835
kf	3261
kg	1691
kh	17489
ki	203312
kj	257
kk	3811
kl	20668
km	2153
kn	44625
ko	35037
kp	2999
kq	7
kr	10495
ks	108785
kt	2004
ku	12541

kv	261
kw	2363
kx	27
ky	18195
kz	41
l>	1169916
la	764604
lb	12538
lc	11807
ld	389696
le	1145997
lf	46426
lg	8029
lh	2942
li	933728
lj	292
lk	37892
ll	871930
lm	30912
ln	4573
lo	467064
lp	31644
lq	193
lr	12680
ls	233339
lt	130758
lu	142004
lv	40922
lw	9068
lx	39
ly	413237
lz	1136
m>	517799
ma	744378
mb	142656
mc	15673
md	2483
me	1033073
mf	2876
mg	1000
mh	772
mi	585452
mj	700
mk	393
ml	4691
mm	152590
mn	7710
mo	496932
mp	296830
mq	39
mr	19306
ms	109557
mt	1477
mu	109544
mv	205
mw	756
mx	458
my	55422
mz	97
n>	3575540
na	532218
nb	14077
nc	494076
nd	1559863

ne	1011936
nf	80189
ng	1388904
nh	12964
ni	542151
nj	20582
nk	96326
nl	53879
nm	78036
nn	154181
no	545225
np	5468
nq	3954
nr	11195
ns	616312
nt	1450101
nu	107274
nv	96116
nw	13012
nx	1658
ny	137520
nz	5329
o>	1553068
oa	95568
ob	115039
oc	235008
od	200466
oe	40340
of	1162105
og	82496
oh	42794
oi	120015
oj	9601
ok	116423
ol	540871
om	745513
on	2387995
oo	252609
op	336085
oq	484
or	1782938
os	416649
ot	524871
ou	1104027
ov	339046
ow	393020
ox	14343
oy	61135
oz	11344
p>	360192
pa	516236
pb	2262
pc	1592
pd	885
pe	679724
pf	1269
pg	1314
ph	85502
pi	160839
pj	118
pk	1090
pl	328537
pm	16878
pn	934

po	556453
pp	191989
pq	4
pr	631959
ps	66362
pt	96409
pu	146668
pv	281
pw	1072
px	41
py	8899
pz	86
q>	9497
qa	642
qb	14
qc	9
qd	8
qe	66
qf	5
qh	3
qi	4745
qk	1
ql	2
qm	3
qn	3
qo	175
qp	21
qq	26
qr	22
qs	89
qt	96
qu	143701
qv	20
qw	34
qx	5
qy	10
r>	2055541
ra	986080
rb	45544
rc	243102
rd	269621
re	2462561
rf	23934
rg	175261
rh	12830
ri	1005727
rj	1954
rk	178619
rl	134016
rm	239028
rn	302050
ro	994719
rp	59183
rq	1409
rr	176586
rs	682269
rt	575230
ru	183112
rv	95864
rw	14089
rx	1684
ry	304721
rz	2288
s>	4841058

sa	791252
sb	17422
sc	173575
sd	92222
se	1144055
sf	12501
sg	4163
sh	486862
si	701178
sj	191
sk	59034
sl	82676
sm	86510
sn	27712
so	518482
sp	274234
sq	7851
sr	29875
ss	487655
st	1600749
su	364397
sv	2835
sw	35447
sx	477
sy	48288
sz	1803
t>	3341018
ta	737232
tb	6373
tc	34897
td	3022
te	1717595
tf	6688
tg	3844
th	4065834
ti	1524314
tj	166
tk	1725
tl	121522
tm	59068
tn	22377
to	1533293
tp	4233
tq	6
tr	580436
ts	525778
tt	254625
tu	267967
tv	7515
tw	108834
tx	25
ty	252054
tz	18108
u>	134094
ua	148672
ub	120959
uc	186487
ud	145756
ue	201756
uf	22216
ug	171178
uh	1891
ui	120177
uj	1367

uk	42243
ul	384280
um	142674
un	619701
uo	14496
up	205688
uq	1134
ur	663053
us	552849
ut	606252
uu	521
uv	3829
uw	3137
ux	2996
uy	16884
uz	4133
v>	43566
va	143727
vb	30
vc	346
vd	825
ve	1024666
vf	62
vg	184
vh	164
vi	425793
vj	25
vk	137
vl	1337
vm	80
vn	214
vo	99207
vp	102
vq	4
vr	2324
vs	4098
vt	736
vu	1642
vv	133
vw	28
vx	19
vy	13076
vz	14
w>	302780
wa	580550
wb	1497
wc	991
wd	7678
we	556886
wf	1900
wg	216
wh	420463
wi	496365
wj	78
wk	1733
wl	12884
wm	4962
wn	111306
wo	340057
wp	1215
wq	41
wr	32269
ws	76328
wt	7076

wu	737
wv	55
ww	162
wx	289
wy	12404
wz	29
x>	60930
xa	29934
xb	114
xc	27699
xd	9
xe	29487
xf	558
xg	8
xh	2768
xi	29132
xj	12
xk	8
xl	310
xm	767
xn	60
xo	3896
xp	78624
xq	38
xr	37
xs	278
xt	42169
xu	5724
xv	315
xw	751
xx	971
xy	1567
xz	5
y>	2060830
ya	28399
yb	11683
yc	8827
yd	6993
ye	210768
yf	941
yg	1983
yh	950
yi	60015
yj	27
yk	1408
yl	24125
ym	29579
yn	16827
yo	130981
yp	12477
yq	14
yr	11230
ys	119529
yt	13596
yu	5504
yv	627
yw	5456
yx	84
yy	104
yz	1386
z>	28234
za	37529
zb	1895
zc	733

zd	489
ze	74535
zf	58
zg	284
zh	3654
zi	23711
zj	14
zk	611
zl	1957
zm	437
zn	474
zo	12205
zp	161
zq	126
zr	112
zs	356
zt	304
zu	4108
zv	561
zw	2795
zx	18
zy	2258
zz	5217