Additional Hyphenation Patterns

Gerard Kuiken

The following set of patterns may be added to Frank Liang's standard set to overcome many of the English exceptions published in *TUGboat*, Volume 10 (1989), No. 3, pp. 337–341, and a number of other badly hyphenated words not published. The patterns generate no new bad hyphenations as far as we know. These patterns (plus Liang's) fit in the standard hyphenation pattern memory of 8000, and thus can be used with all standard implementations of TeX. The size of the hyphenation trie becomes 6661 with 229 ops.

A larger list of patterns which find all admissible hyphenation points of the English words in the Exception List is under development. At this time, when these patterns are used with Liang's, the size of the hyphenation trie becomes 7192 with 377 ops and this exceeds the standard hyphenation memory size. These patterns generate no bad hyphenations of which we are currently aware.

The two lists will be available at the standard TeX archives under the names ushyphen.add and ushyphen.max. These may be used freely for non-commercial purposes. Copyright 1990 G.D.C. Kuiken. Patterns made March 1, 1990.

Editor's note: The state of the Exception List after the following patterns have been added will be published in an issue of *TUGboat* later this year.

The list ushyphen.add

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.driv4        .sem4ic       anti3re
.eth1y611     .semid6       a4peable
.eu4ler       .semip4       ar4range
.ev2          .semir4       as5ymptot
.ga4som       .sem6is4      at6tes.
.ge4ome       .semiv4       augh4tl
.he3p6a       .sph6in1      av3iou
.in5u2t       .to6pog       ba6r1onie
.kil2ni       .to2q         bbi4t
.ko6rte       .vi4car       be4vie
.le6ice       .we2b1l       bid4if
.me4gal       .ree4c        bil4lab
.met4ala      a4cabl        bio5m
.mimi4cr      af6fish       bi3orb
.mis4ers      anal6ys       bio3rh
.ne6o3f       anoa4c        blan4d
.non1e2m      anti3de       blin4d
.semi5        anti3n2       blon4d
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bo4tul        geo3d
brus4q        ght3we
bus6i2er      g3lead
bus6i2es      4g1lish
buss4in       g4nac
but4ed.       g4nor.
but4ted       g4nores
cad5em        4go4niza
catas4        griev3
4chs.         ha4parr
chs3hu        hatch3
ciga3r        hex2a
cin4q         hipela4
cle4ar        ho6r1ic.
co6ph1o3n     h4teou
cous4ti       id4ios
cri5tie       ign4it
cro5e4co      i4jk
c2tro3me6c    im5peda
cu4ranc       infras4
4d3alone      i5nitely.
data3b        irre6v3oc
d2dib         i5tesima
de4als.       ithi4l
de2clin       janu3a
de5fin5iti    ke6ling
de4mos        ki5netic
des3ic        k3sha
de4tic        la4cie
dic5aid       lai6ness
dif5fra       l3chai
di4ren        l3chil6d
di4rer        lea4sa
4dlead        lecta6b
4dli4e        litho5g
do5word       l11fl
drif4ta       l4lish
d3tab         lo4ges.
ea4nies       l3tea
e3chas        lthi4ly
edg3l         lue1p
eli4tis       man3u1sc
e3loa         mar3gin
en3dix        medi4c
e6pineph      medi5cin
e4rian.       medio6c
espac6i       me5gran
ethy6lene     mi3dab
eu4clid1      mil4lag
feb3ru        milli5li
fermi3o       mi6n3is.
3fich         min4ute
flag6el       m3mab
g6endre.      5maphro
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5mocrat        ono4ton        radi1o6g       spi4cil        4tian.
moe4las        o3nou          r4amen         spokes5w       ti4nom
mole5c         op3ism.        ra4me3triz     sports5c       tli4er
mon4ey11       or4tho3ni4t    ra3mou         sports5w       tot3ic
mono5ch        orth5ri        ran4has        s5quito        trai5tor
mo4no1en       o4spher        ra3or          s4sa3chu       tra5vers
moro6n5is      o6v3ian.       r3binge        ss3hat         treach5e
monos6         oxi6d2ic       re4cipr        s4sian.        tr4ial.
moth4et2       pal6mat        rec4ogn        s4tamp         5tro1leum
mou5sin        parag6ra4      rec5t6ang      s4tants        tro5fit
mshack4        par4ale        re2f1orma      star5tli       trop4is
mu4dro         param4         re4tribu       sta3ti         tropo5les
mul4ti5u       para5me        r3ial.         st5b           tropo5lis
nar4chs.       pee4v1         riv3ol         stor5ab        tropol5it
nch4est        phi213an       rk3ho          strat5ag       tsch5ie
ne5back        phi5latel      6rks.          strib5ut       ttribut5
4neski         pi4cad         ro3bot3        st5scr         turn5ar
nd3thr         pli4cab        roe4las        stupi4d        t1wh
nfin5ites      pli5nar        r3thou         styl5is        ty4pal
4nian.         1pole.         r3treu         su2per1e6      u2ral.
nge5nes        poly1e         r3veil         3sync          v3ativ
ng3ho          prema5c        rz3sc          sythi4         va6guer
ng3spr         pre5neu        sales5c        swimm6         v5ereig
nk3rup         pres4pli       sales5w        ta3gon.        voice5p
n5less         pro4cess       sca6p1er       talka5         waste3w6
nom1a61        proc5ity.      sca4tol        ta3min         waveg4
nom5eno        pro4ge         s4chitz        t6ap6ath       w3c
no5mist        3pseu4d        sci4utt        tar4rh         week3n
non5eq         pseud6od2      scy4th         tch3c          wide5sp
noni4so        pseud6of2      se1mi6t1ic     tch5ed         wo4ken
no5vemb        ptomat4        sep5temb       tch5ier        wrap5aro
ns5ceiv        p5trol         shoe5st        t1cr           x1q
ns4moo         pubes5c        side5st        tele4g         xquis3
ntre3p         quain4te       side5sw        tele1r6o       y5ched
obli2g1        qu6a3si3       sky3sc         tess4es        ym5etry
o3chas         quasir6        s4ogamy        tha4lam        y3stro
oerst4         quasis6        so4lute        tho5don        z2z3w
oke3st         quiv4ar        s4pace         tho5geni
olon4om        r5abolic       s4pacin        thok4er
o3mecha6       ra3chu         spe5cio        thy4lan
o5norma        r3a3dig        spher5o        thy3sc
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◇ Gerard Kuiken
Kuiken VAS-Consulting
P. O. Box 65791
2506EB The Hague
The Netherlands
Bitnet: WBAHKUI@HDETUD1