

1: Kerning Pairs: Upper Case

AA AB AC AD AE AF AG AH AI AJ AK AL AM AN AO AP AQ AR AS AT AU AV AW AX AY AZ
BA BB BC BD BE BF BG BH BI BJ BK BL BM BN BO BP BQ BR BS BT BU BV BW BX BY BZ
CA CB CC CD CE CF CG CH CI CJ CK CL CM CN CO CP CQ CR CS CT CU CV CW CX CY CZ
DA DB DC DD DE DF DG DH DI DJ DK DL DM DN DO DP DQ DR DS DT DU DV DW DX DY DZ
EA EB EE ED EE EF EG EH EI EJ EK EL EM EN EO EP EQ ER ES ET EU EV EW EX EY EZ
FA FB FC FD FE FF FG FH FI FJ FK FL FM FN FO FP FQ FR FS FT FU FV FW FX FY FZ
GA GB GC GD GE GF GG GH GI GJ GK GL GM GN GO GP GQ GR GS GT GU GV GW GX GY GZ
HA HB HC HD HE HF HG HH HI HJ HK HL HM HN HO HP HQ HR HS HT HU HV HW HX HY HZ
IA IB IC ID IE IF IG IH II IJ IK IL IM IN IO IP IQ IR IS IT IU IV IW IX IY IZ
JA JB JC JD JE JF JG JH JI JJ JK JL JM JN JO JP JQ JR JS JT JU JV JW JX JY JZ
KA KB KC KD KE KF KG KH KI KJ KK KL KM KN KO KP KQ KR KS KT KU KV KW KX KY KZ
LA LB LC LD LE LF LG LH LI LJ LK LL LM LN LO LP LQ LR LS LT LU LV LW LX LY LZ
MA MB MC MD ME MF MG MH MI MJ MK ML MM MN MO MP MQ MR MS MT MU MV MW MX MY MZ
NA NB NC ND NE NF NG NH NI NJ NK NL NM NN NO NP NQ NR NS NT NU NV NW NX NY NZ
OA OB OC OD OE OF OG OH OI OJ OK OL OM ON OO OP OQ OR OS OT OU OV OW OX OY OZ
PA PB PC PD PE PF PG PH PI PJ PK PL PM PN PO PP PQ PR PS PT PU PV PW PX PY PZ
QA QB QC QD QE QF QG QH QI QJ QK QL QM QN QO QP QQ QR QS QT QU QV QW QX QY QZ
RA RB RC RD RE RF RG RH RI RJ RK RL RM RN RO RP RQ RR RS RT RU RV RW RX RY RZ
SA SB SC SD SE SF SG SH SI SJ SK SL SM SN SO SP SQ SR SS ST SU SV SW SX SY SZ
TA TB TC TD TE TF TG TH TI TJ TK TL TM TN TO TP TQ TR TS TT TU TV TW TX TY TZ
UA UB UC UD UE UF UG UH UI UJ UK UL UM UN UO UP UQ UR US UT UU UV UW UX UY UZ
VA VB VC VD VE VF VG VH VI VJ VK VL VM VN VO VP VQ VR VS VT VU VV VW VX VY VZ
WA WB WC WD WE WF WG WH WI WJ WK WL WM WN WO WP WQ WR WS WT WU WV WW WX WY WZ
XA XB XC XD XE XF XG XH XI XJ XK XL XM XN XO XP XQ XR XS XT XU XV XW XX XY XZ
YA YB YC YD YE YF YG YH YI YJ YK YL YM YN YO YP YQ YR YS YT YU YV YW YX YY YZ
ZA ZB ZC ZD ZE ZF ZG ZH ZI ZJ ZK ZL ZM ZN ZO ZP ZQ ZR ZS ZT ZU ZV ZW ZX ZY ZZ

2: Kerning Pairs: Lower Case

aa ab ac ad ae af ag ah ai aj ak al am an ao ap aq ar as at au av aw ax ay az
ba bb bc bd be bf bg bh bi bj bk bl bm bn bo bp bq br bs bt bu bv bw bx by bz
ca cb cc cd ce cf cg ch ci cj ck cl cm cn co cp cq cr cs ct cu cv cw cx cy cz
da db dc dd de df dg dh di dj dk dl dm dn do dp dq dr ds dt du dv dw dx dy dz
ea eb ee ed ee ef eg eh ei ej ek el em en eo ep eq er es et eu ev ew ex ey ez
fa fb fc fd fe ff fg fh fi fj fk fl fm fn fo fp fq fr fs ft fu fv fw fx fy fz
ga gb gc gd ge gf gg gh gi gj gk gl gm gn go gp gq gr gs gt gu gv gw gx gy gz
ha hb hc hd he hf hg hh hi hj hk hl hm hn ho hp hq hr hs ht hu hv hw hx hy hz
ia ib ic id ie if ig ih ii ij ik il im in io ip iq ir is it iu iv iw ix iy iz
ja jb jc jd je jf jg jh ji jj jk jl jm jn jo jp jq jr js jt ju jv jw jx jy jz
ka kb kc kd ke kf kg kh ki kj kk kl km kn ko kp kq kr ks kt ku kv kw kx ky kz
la lb lc ld le lf lg lh li lj lk ll lm ln lo lp lq lr ls lt lu lv lw lx ly lz
ma mb mc md me mf mg mh mi mj mk ml mm mn mo mp mq mr ms mt mu mv mw mx my mz
na nb nc nd ne nf ng nh ni nj nk nl nm nn no np nq nr ns nt nu nv nw nx ny nz
oa ob oc od oe of og oh oi oj ok ol om on oo op oq or os ot ou ov ow ox oy oz
pa pb pc pd pe pf pg ph pi pj pk pl pm pn po pp pq pr ps pt pu pv pw px py pz
qa qb qc qd qe qf qg qh qi qj qk ql qm qn qo qp qq qr qs qt qu qv qw qx qy qz
ra rb rc rd re rf rg rh ri rj rk rl rm rn ro rp rq rr rs rt ru rv rw rx ry rz
sa sb sc sd se sf sg sh si sj sk sl sm sn so sp sq sr ss st su sv sw sx sy sz
ta tb tc td te tf tg th ti tj tk tl tm tn to tp tq tr ts tt tu tv tw tx ty tz
ua ub uc ud ue uf ug uh ui uj uk ul um un uo up uq ur us ut uu uv uw ux uy uz
va vb vc vd ve vf vg vh vi vj vk vl vm vn vo vp vq vr vs vt vu vv vw vx vy vz
wa wb wc wd we wf wg wh wi wj wk wl wm wn wo wp wq wr ws wt wu ww wx wy wz
xa xb xc xd xe xf xg xh xi xj xk xl xm xn xo xp xq xr xs xt xu xv xw xx xy xz
ya yb yc yd ye yf yg yh yi yj yk yl ym yn yo yp yq yr ys yt yu yv yw yx yy yz
za zb zc zd ze zf zg zh zi zj zk zl zm zn zo zp zq zr zs zt zu zv zw zx zy zz

3: Kerning Pairs: Initial Capitals

Aa Ab Ac Ad Ae Af Ag Ah Ai Aj Ak Al Am An Ao Ap Aq Ar As At Au Av Aw Ax Ay Az
Ba Bb Bc Bd Be Bf Bg Bh Bi Bj Bk Bl Bm Bn Bo Bp Bq Br Bs Bt Bu Bv Bw Bx By Bz
Ca Cb Cc Cd Ce Cf Cg Ch Ci Cj Ck Cl Cm Cn Co Cp Cq Cr Cs Ct Cu Cv Cw Cx Cy Cz
Da Db Dc Dd De Df Dg Dh Di Dj Dk Dl Dm Dn Do Dp Dq Dr Ds Dt Du Dv Dw Dx Dy Dz
Ea Eb Ec Ed Ee Ef Eg Eh Ei Ej Ek El Em En Eo Ep Eq Er Es Et Eu Ev Ew Ex Ey Ez
Fa Fb Fc Fd Fe Ff Fg Fh Fi Fj Fk Fl Fm Fn Fo Fp Fq Fr Fs Ft Fu Fv Fw Fx Fy Fz
Ga Gb Gc Gd Ge Gf Gg Gh Gi Gj Gk Gl Gm Gn Go Gp Gq Gr Gs Gt Gu Gv Gw Gx Gy Gz
Ha Hb Hc Hd He Hf Hg Hh Hi Hj Hk Hl Hm Hn Ho Hp Hq Hr Hs Ht Hu Hv Hw Hx Hy Hz
Ia Ib Ic Id Ie If Ig Ih Ii Ij Ik Il Im In Io Ip Iq Ir Is It Iu Iv Iw Ix Iy Iz
Ja Jb Jc Jd Je Jf Jg Jh Ji Jj Jk Jl Jm Jn Jo Jp Jq Jr Js Jt Ju Jv Jw Jx Jy Jz
Ka Kb Kc Kd Ke Kf Kg Kh Ki Kj Kk Kl Km Kn Ko Kp Kq Kr Ks Kt Ku Kv Kw Kx Ky Kz
La Lb Lc Ld Le Lf Lg Lh Li Lj Lk Ll Lm Ln Lo Lp Lq Lr Ls Lt Lu Lv Lw Lx Ly Lz
Ma Mb Mc Md Me Mf Mg Mh Mi Mj Mk Ml Mm Mn Mo Mp Mq Mr Ms Mt Mu Mv Mw Mx My Mz
Na Nb Nc Nd Ne Nf Ng Nh Ni Nj Nk Nl Nm Nn No Np Nq Nr Ns Nt Nu Nv Nw Nx Ny Nz
Oa Ob Oc Od Oe Of Og Oh Oi Oj Ok Ol Om On Oo Op Oq Or Os Ot Ou Ov Ow Ox Oy Oz
Pa Pb Pc Pd Pe Pf Pg Ph Pi Pj Pk Pl Pm Pn Po Pp Pq Pr Ps Pt Pu Pv Pw Px Py Pz
Qa Qb Qc Qd Qe Qf Qg Qh Qi Qj Qk Ql Qm Qn Qo Qp Qq Qr Qs Qt Qu Qv Qw Qx Qy Qz
Ra Rb Rc Rd Re Rf Rg Rh Ri Rj Rk Rl Rm Rn Ro Rp Rq Rr Rs Rt Ru Rv Rw Rx Ry Rz
Sa Sb Sc Sd Se Sf Sg Sh Si Sj Sk Sl Sm Sn So Sp Sq Sr Ss St Su Sv Sw Sx Sy Sz
Ta Tb Tc Td Te Tf Tg Th Ti Tj Tk Tl Tm Tn To Tp Tq Tr Ts Tt Tu Tv Tw Tx Ty Tz
Ua Ub Uc Ud Ue Uf Ug Uh Ui Uj Uk Ul Um Un Uo Up Uq Ur Us Ut Uu Uv Uw Ux Uy Uz
Va Vb Vc Vd Ve Vf Vg Vh Vi Vj Vk Vl Vm Vn Vo Vp Vq Vr Vs Vt Vu Vv Vw Vx Vy Vz
Wa Wb Wc Wd We Wf Wg Wh Wi Wj Wk Wl Wm Wn Wo Wp Wq Wr Ws Wt Wu Wv Ww Wx Wy Wz
Xa Xb Xc Xd Xe Xf Xg Xh Xi Xj Xk Xl Xm Xn Xo Xp Xq Xr Xs Xt Xu Xv Xw Xx Xy Xz
Ya Yb Yc Yd Ye Yf Yg Yh Yi Yj Yk Yl Ym Yn Yo Yp Yq Yr Ys Yt Yu Yv Yw Yx Yy Yz
Za Zb Zc Zd Ze Zf Zg Zh Zi Zj Zk Zl Zm Zn Zo Zp Zq Zr Zs Zt Zu Zv Zw Zx Zy Zz

4: Kerning Pairs: Trailing Capital

aA aB aC aD aE aF aG aH aI aJ aK aL aM aN aO aP aQ aR aS aT aU aV aW aX aY aZ
bA bB bC bD bE bF bG bH bI bJ bK bL bM bN bO bP bQ bR bS bT bU bV bW bX bY bZ
cA cB cC cD cE cF cG cH cI cJ cK cL cM cN cO cP cQ cR cS cT cU cV cW cX cY cZ
dA dB dC dD dE dF dG dH dI dJ dK dL dM dN dO dP dQ dR dS dT dU dV dW dX dY dZ
eA eB eC eD eE eF eG eH eI eJ eK eL eM eN eO eP eQ eR eS eT eU eV eW eX eY eZ
fA fB fC fD fE fF fG fH fI fJ fK fL fM fN fO fP fQ fR fS fT fU fV fW fX fY fZ
gA gB gC gD gE gF gG gH gI gJ gK gL gM gN gO gP gQ gR gS gT gU gV gW gX gY gZ
hA hB hC hD hE hF hG hH hI hJ hK hL hM hN hO hP hQ hR hS hT hU hV hW hX hY hZ
iA iB iC iD iE iF iG iH iI iJ iK iL iM iN iO iP iQ iR iS iT iU iV iW iX iY iZ
jA jB jC jD jE jF jG jH jI jJ jK jL jM jN jO jP jQ jR jS jT jU jV jW jX jY jZ
kA kB kC kD kE kF kG kH kI kJ kK kL kM kN kO kP kQ kR kS kT kU kV kW kX kY kZ
lA lB lC lD lE lF lG lH lI lJ lK lL lM lN lO lP lQ lR lS lT lU lV lW lX lY lZ
mA mB mC mD mE mF mG mH mI mJ mK mL mM mN mO mP mQ mR mS mT mU mV mW mX mY mZ
nA nB nC nD nE nF nG nH nI nJ nK nL nM nN nO nP nQ nR nS nT nU nV nW nX nY nZ
oA oB oC oD oE oF oG oH oI oJ oK oL oM oN oO oP oQ oR oS oT oU oV oW oX oY oZ
pA pB pC pD pE pF pG pH pI pJ pK pL pM pN pO pP pQ pR pS pT pU pV pW pX pY pZ
qA qB qC qD qE qF qG qH qI qJ qK qL qM qN qO qP qQ qR qS qT qU qV qW qX qY qZ
rA rB rC rD rE rF rG rH rI rJ rK rL rM rN rO rP rQ rR rS rT rU rV rW rX rY rZ
sA sB sC sD sE sF sG sH sI sJ sK sL sM sN sO sP sQ sR sS sT sU sV sW sX sY sZ
tA tB tC tD tE tF tG tH tI tJ tK tL tM tN tO tP tQ tR tS tT tU tV tW tX tY tZ
uA uB uC uD uE uF uG uH uI uJ uK uL uM uN uO uP uQ uR uS uT uU uV uW uX uY uZ
vA vB vC vD vE vF vG vH vI vJ vK vL vM vN vO vP vQ vR vS vT vU vV vW vX vY vZ
wA wB wC wD wE wF wG wH wI wJ wK wL wM wN wO wP wQ wR wS wT wU wV wW wX wY wZ
xA xB xC xD xE xF xG xH xI xJ xK xL xM xN xO xP xQ xR xS xT xU xV xW xX xY xZ
yA yB yC yD yE yF yG yH yI yJ yK yL yM yN yO yP yQ yR yS yT yU yV yW yX yY yZ
zA zB zC zD zE zF zG zH zI zJ zK zL zM zN zO zP zQ zR zS zT zU zV zW zX zY zZ

5: Kerning Pairs: Numerals

00 01 02 03 04 05 06 07 08 09
10 11 12 13 14 15 16 17 18 19
20 21 22 23 24 25 26 27 28 29
30 31 32 33 34 35 36 37 38 39
40 41 42 43 44 45 46 47 48 49
50 51 52 53 54 55 56 57 58 59
60 61 62 63 64 65 66 67 68 69
70 71 72 73 74 75 76 77 78 79
80 81 82 83 84 85 86 87 88 89
90 91 92 93 94 95 96 97 98 99

6: Kerning Pairs: Initial Capital with Numeral

A0 B0 C0 D0 E0 F0 G0 H0 I0 J0 K0 L0 M0 N0 O0 P0 Q0 R0 S0 T0 U0 V0 W0 X0 Y0 Z0
A1 B1 C1 D1 E1 F1 G1 H1 I1 J1 K1 L1 M1 N1 O1 P1 Q1 R1 S1 T1 U1 V1 W1 X1 Y1 Z1
A2 B2 C2 D2 E2 F2 G2 H2 I2 J2 K2 L2 M2 N2 O2 P2 Q2 R2 S2 T2 U2 V2 W2 X2 Y2 Z2
A3 B3 C3 D3 E3 F3 G3 H3 I3 J3 K3 L3 M3 N3 O3 P3 Q3 R3 S3 T3 U3 V3 W3 X3 Y3 Z3
A4 B4 C4 D4 E4 F4 G4 H4 I4 J4 K4 L4 M4 N4 O4 P4 Q4 R4 S4 T4 U4 V4 W4 X4 Y4 Z4
A5 B5 C5 D5 E5 F5 G5 H5 I5 J5 K5 L5 M5 N5 O5 P5 Q5 R5 S5 T5 U5 V5 W5 X5 Y5 Z5
A6 B6 C6 D6 E6 F6 G6 H6 I6 J6 K6 L6 M6 N6 O6 P6 Q6 R6 S6 T6 U6 V6 W6 X6 Y6 Z6
A7 B7 C7 D7 E7 F7 G7 H7 I7 J7 K7 L7 M7 N7 O7 P7 Q7 R7 S7 T7 U7 V7 W7 X7 Y7 Z7
A8 B8 C8 D8 E8 F8 G8 H8 I8 J8 K8 L8 M8 N8 O8 P8 Q8 R8 S8 T8 U8 V8 W8 X8 Y8 Z8
A9 B9 C9 D9 E9 F9 G9 H9 I9 J9 K9 L9 M9 N9 O9 P9 Q9 R9 S9 T9 U9 V9 W9 X9 Y9 Z9

7: Kerning Pairs: Initial Lower Case Letter with Numeral

a0 b0 c0 d0 e0 f0 g0 h0 i0 j0 k0 l0 m0 n0 o0 p0 q0 r0 s0 t0 u0 v0 w0 x0 y0 z0
a1 b1 c1 d1 e1 f1 g1 h1 i1 j1 k1 l1 m1 n1 o1 p1 q1 r1 s1 t1 u1 v1 w1 x1 y1 z1
a2 b2 c2 d2 e2 f2 g2 h2 i2 j2 k2 l2 m2 n2 o2 p2 q2 r2 s2 t2 u2 v2 w2 x2 y2 z2
a3 b3 c3 d3 e3 f3 g3 h3 i3 j3 k3 l3 m3 n3 o3 p3 q3 r3 s3 t3 u3 v3 w3 x3 y3 z3
a4 b4 c4 d4 e4 f4 g4 h4 i4 j4 k4 l4 m4 n4 o4 p4 q4 r4 s4 t4 u4 v4 w4 x4 y4 z4
a5 b5 c5 d5 e5 f5 g5 h5 i5 j5 k5 l5 m5 n5 o5 p5 q5 r5 s5 t5 u5 v5 w5 x5 y5 z5
a6 b6 c6 d6 e6 f6 g6 h6 i6 j6 k6 l6 m6 n6 o6 p6 q6 r6 s6 t6 u6 v6 w6 x6 y6 z6
a7 b7 c7 d7 e7 f7 g7 h7 i7 j7 k7 l7 m7 n7 o7 p7 q7 r7 s7 t7 u7 v7 w7 x7 y7 z7
a8 b8 c8 d8 e8 f8 g8 h8 i8 j8 k8 l8 m8 n8 o8 p8 q8 r8 s8 t8 u8 v8 w8 x8 y8 z8
a9 b9 c9 d9 e9 f9 g9 h9 i9 j9 k9 l9 m9 n9 o9 p9 q9 r9 s9 t9 u9 v9 w9 x9 y9 z9

8: Kerning Pairs: Initial Numeral with Trailing Capital Letter

0A 0B 0C 0D 0E 0F 0G 0H 0I 0J 0K 0L 0M 0N 0O 0P 0Q 0R 0S 0T 0U 0V 0W 0X 0Y 0Z
1A 1B 1C 1D 1E 1F 1G 1H 1I 1J 1K 1L 1M 1N 1O 1P 1Q 1R 1S 1T 1U 1V 1W 1X 1Y 1Z
2A 2B 2C 2D 2E 2F 2G 2H 2I 2J 2K 2L 2M 2N 2O 2P 2Q 2R 2S 2T 2U 2V 2W 2X 2Y 2Z
3A 3B 3C 3D 3E 3F 3G 3H 3I 3J 3K 3L 3M 3N 3O 3P 3Q 3R 3S 3T 3U 3V 3W 3X 3Y 3Z
4A 4B 4C 4D 4E 4F 4G 4H 4I 4J 4K 4L 4M 4N 4O 4P 4Q 4R 4S 4T 4U 4V 4W 4X 4Y 4Z
5A 5B 5C 5D 5E 5F 5G 5H 5I 5J 5K 5L 5M 5N 5O 5P 5Q 5R 5S 5T 5U 5V 5W 5X 5Y 5Z
6A 6B 6C 6D 6E 6F 6G 6H 6I 6J 6K 6L 6M 6N 6O 6P 6Q 6R 6S 6T 6U 6V 6W 6X 6Y 6Z
7A 7B 7C 7D 7E 7F 7G 7H 7I 7J 7K 7L 7M 7N 7O 7P 7Q 7R 7S 7T 7U 7V 7W 7X 7Y 7Z
8A 8B 8C 8D 8E 8F 8G 8H 8I 8J 8K 8L 8M 8N 8O 8P 8Q 8R 8S 8T 8U 8V 8W 8X 8Y 8Z
9A 9B 9C 9D 9E 9F 9G 9H 9I 9J 9K 9L 9M 9N 9O 9P 9Q 9R 9S 9T 9U 9V 9W 9X 9Y 9Z

9: Kerning Pairs: Initial Numeral with Trailing Lower Case Letter

0a 0b 0c 0d 0e 0f 0g 0h 0i 0j 0k 0l 0m 0n 0o 0p 0q 0r 0s 0t 0u 0v 0w 0x 0y 0z
1a 1b 1c 1d 1e 1f 1g 1h 1i 1j 1k 1l 1m 1n 1o 1p 1q 1r 1s 1t 1u 1v 1w 1x 1y 1z
2a 2b 2c 2d 2e 2f 2g 2h 2i 2j 2k 2l 2m 2n 2o 2p 2q 2r 2s 2t 2u 2v 2w 2x 2y 2z
3a 3b 3c 3d 3e 3f 3g 3h 3i 3j 3k 3l 3m 3n 3o 3p 3q 3r 3s 3t 3u 3v 3w 3x 3y 3z
4a 4b 4c 4d 4e 4f 4g 4h 4i 4j 4k 4l 4m 4n 4o 4p 4q 4r 4s 4t 4u 4v 4w 4x 4y 4z
5a 5b 5c 5d 5e 5f 5g 5h 5i 5j 5k 5l 5m 5n 5o 5p 5q 5r 5s 5t 5u 5v 5w 5x 5y 5z
6a 6b 6c 6d 6e 6f 6g 6h 6i 6j 6k 6l 6m 6n 6o 6p 6q 6r 6s 6t 6u 6v 6w 6x 6y 6z
7a 7b 7c 7d 7e 7f 7g 7h 7i 7j 7k 7l 7m 7n 7o 7p 7q 7r 7s 7t 7u 7v 7w 7x 7y 7z
8a 8b 8c 8d 8e 8f 8g 8h 8i 8j 8k 8l 8m 8n 8o 8p 8q 8r 8s 8t 8u 8v 8w 8x 8y 8z
9a 9b 9c 9d 9e 9f 9g 9h 9i 9j 9k 9l 9m 9n 9o 9p 9q 9r 9s 9t 9u 9v 9w 9x 9y 9z

ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz

1234567890

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