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11213141516171819101\$1§1£1¢1Δ1•1.1,1;1:1-1  
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3%3<3>3=3+3™3∫3#3∞3β3@3©3¢3  
41424344546474849404\$4§4£4¢4Δ4•4.4,4;4:4-4

4%4<4>4=4+4<sup>TM</sup>4∫4#4∞4@4©4¢4

51525354556575859505\$5§5£5¢5Δ5•5.5,5;5:5-5

5%5<5>5=5+5<sup>TM</sup>5∫5#5∞5@5©5¢5

61626364656676869606\$6§6£6¢6Δ6•6.6,6;6:6-6

6%6<6>6=6+6<sup>TM</sup>6∫6#6∞6@6©6¢6

71727374757677879707\$7§7£7¢7Δ7•7.7,7;7:7-7

7%7<7>7=7+7<sup>TM</sup>7∫7#7∞7@7©7¢7

81828384858687889808\$8§8£8¢8Δ8•8.8,8;8:8-8

8%8<8>8=8+8<sup>TM</sup>8∫8#8∞8@8©8¢8

91929394959697989909\$9§9£9¢9Δ9•9.9,9;9:9-9

9%9<9>9=9+9<sup>TM</sup>9∫9#9∞9@9©9¢9

0/1/2/3/4/5/6/7/8/9/0

!0!1!2!3!4!5!6!7!8!9!

?0?1?2?3?4?5?6?7?8?9?

(0) (1) (2) (3) (4) (5) (6) (7) (8) (9) [0] [1] [2] [3] [4]

[5] [6] [7] [8] [9] {0} {1} {2} {3} {4} {5} {6} {7} {8} {9}

.a. .b. .c. .d. .e. .f. .g. .h. .i. .j. .k. .l. .m. .n. .o. .p. .q. .r. .s.  
 .t. .u. .v. .w. .x. .y. .z. ,a, ,b, ,c, ,d, ,e, ,f, ,g, ,h, ,i, ,j, ,k, ,l,  
 ,m, ,n, ,o, ,p, ,q, ,r, ,s, ,t, ,u, ,v, ,w, ,x, ,y, ,z, /a/b/c/d/  
 e/f/g/h/i/j/k/l/m/n/o/p/q/r/s/t/u/v/w/x/y/z/  
 \a\b\c\d\e\f\g\h\i\j\k\l\m\n\o\p\q\r\s\t\u\v\  
 w\x\y\z\ a: b: c: d: e: f: g: h: i: j: k: l: m: n: o: p: q: r: s:  
 t: u: v: w: x: y: z: a; b; c; d; e; f; g; h; i; j; k; l; m; n; o; p;  
 q; r; s; t; u; v; w; x; y; z; !a! !b! !c! !d! !e! !f! !g! !h! !i! !j! !k!  
 !! !m! !n! !o! !p! !q! !r! !s! !t! !u! !v! !w! !x! !y! !z! ?a? ?b? ?c?  
 ?d? ?e? ?f? ?g? ?h? ?i? ?j? ?k? ?l? ?m? ?n? ?o? ?p? ?q?  
 ?r? ?s? ?t? ?u? ?v? ?w? ?x? ?y? ?z? (a) (b) (c) (d) (e)  
 (f) (g) (h) (i) (j) (k) (l) (m) (n) (o) (p) (q) (r) (s) (t) (u)  
 (v) (w) (x) (y) (z) [a] [b] [c] [d] [e] [f] [g] [h] [i] [j] [k]  
 [l] [m] [n] [o] [p] [q] [r] [s] [t] [u] [v] [w] [x] [y] [z]  
 {a} {b} {c} {d} {e} {f} {g} {h} {i} {j} {k} {l} {m} {n} {o}  
 {p} {q} {r} {s} {t} {u} {v} {w} {x} {y} {z} -a- -b- -c- -d-

-e- -f- -g- -h- -i- -j- -k- -l- -m- -n- -o- -p- -q- -r- -s- -t-  
-u- -v- -w- -x- -y- -z- -a- -b- -c- -d- -e- -f- -g- -h-  
-i- -j- -k- -l- -m- -n- -o- -p- -q- -r- -s- -t- -u- -v-  
-w- -x- -y- -z- -a- -b- -c- -d- -e- -f- -g-  
-h- -i- -j- -k- -l- -m- -n- -o- -p- -q-  
-r- -s- -t- -u- -v- -w- -x- -y- -z-  
“a“b“c“d“e“f“g“h“i“j“k“l“m“n“o“p“q“r“s“t“u“v“w“x“y  
“z“

”a”b”c”d”e”f”g”h”i”j”k”l”m”n”o”p”q”r”s”t”u”v”w”x”y  
”z”

‘a‘b‘c‘d‘e‘f‘g‘h‘i‘j‘k‘l‘m‘n‘o‘p‘q‘r‘s‘t‘u‘v‘w‘x‘y‘z‘  
’a’b’c’d’e’f’g’h’i’j’k’l’m’n’o’p’q’r’s’t’u’v’w’x’y’z’  
\*a\*b\*c\*d\*e\*f\*g\*h\*i\*j\*k\*l\*m\*

\*n\*o\*p\*q\*r\*s\*t\*u\*v\*w\*x\*y\*z\*

&a&b&c&d&e&f&g&h&i&j&k&l&m&  
&n&o&p&q&r&s&t&u&v&w&x&y&z&

.A. .B. .C. .D. .E. .F. .G. .H. .I. .J. .K. .L. .M. .N. .O. .P. .Q. .R.  
.S. .T. .U. .V. .W. .X. .Y. .Z. ,A, ,B, ,C, ,D, ,E, ,F, ,G, ,H, ,I,  
,J, ,K, ,L, ,M, ,N, ,O, ,P, ,Q, ,R, ,S, ,T, ,U, ,V, ,W, ,X, ,Y, ,Z,  
/A/B/C/D/E/F/G/H/I/J/K/L/M/N/O/P/Q/R/S/T/  
U/V/W/X/Y/Z/ \A\B\C\D\E\F\G\H\I\J\K\L\M\  
N\O\P\Q\R\S\T\U\V\W\X\Y\Z\ A: B: C: D: E: F: G:  
H: I: J: K: L: M: N: O: P: Q: R: S: T: U: V: W: X: Y: Z: A;  
B; C; D; E; F; G; H; I; J; K; L; M; N; O; P; Q; R; S; T; U;  
V; W; X; Y; Z; !A! !B! !C! !D! !E! !F! !G! !H! !I! !J! !K! !L! !M!  
!N! !O! !P! !Q! !R! !S! !T! !U! !V! !W! !X! !Y! !Z! ?A? ?B? ?C?  
?D? ?E? ?F? ?G? ?H? ?I? ?J? ?K? ?L? ?M? ?N? ?O? ?P?  
?Q? ?R? ?S? ?T? ?U? ?V? ?W? ?X? ?Y? ?Z? (A) (B) (C)  
(D) (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R)  
(S) (T) (U) (V) (W) (X) (Y) (Z) [A] [B] [C] [D] [E] [F] [G]  
[H] [I] [J] [K] [L] [M] [N] [O] [P] [Q] [R] [S] [T] [U]  
[V] [W] [X] [Y] [Z] {A} {B} {C} {D} {E} {F} {G} {H} {I}



{J} {K} {L} {M} {N} {O} {P} {Q} {R} {S} {T} {U} {V} {W}  
 {X} {Y} {Z} -A- -B- -C- -D- -E- -F- -G- -H- -I- -J- -K-  
 -L- -M- -N- -O- -P- -Q- -R- -S- -T- -U- -V- -W- -X- -Y-  
 -Z- -A- -B- -C- -D- -E- -F- -G- -H- -I- -J- -K- -L-  
 -M- -N- -O- -P- -Q- -R- -S- -T- -U- -V- -W- -X-  
 -Y- -Z- -A- -B- -C- -D- -E- -F- -G- -H-  
 -I- -J- -K- -L- -M- -N- -O- -P- -Q-  
 -R- -S- -T- -U- -V- -W- -X- -Y- -Z-  
 "A"B"C"D"E"F"G"H"I"J"K"L"M"N"O"P"Q"R"S"T"U"V"  
 W"X"Y"Z""A"B"C"D"E"F"G"H"I"J"K"L"M"N"O"P"Q"R"  
 S"T"U"V"W"X"Y"Z"  
 'A'B'C'D'E'F'G'H'I'J'K'L'M'N'O'P'Q'R'S'T'U'V'W'X'Y'Z'  
 'A'B'C'D'E'F'G'H'I'J'K'L'M'N'O'P'Q'R'S'T'U'V'W'X'Y'Z'  
 \*A\*B\*C\*D\*E\*F\*G\*H\*I\*J\*K\*L\*M\*  
 \*N\*O\*P\*Q\*R\*S\*T\*U\*V\*W\*X\*Y\*Z\*  
 &A&B&C&D&E&F&G&H&I&J&K&L&M&

&N&O&P&Q&R&S&T&U&V&W&X&Y&Z&  
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ENE OEPEQERESETEUEVEWE XEYEZE  
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Aardvark Ablution Acrimonious Adventures Aeolian  
Africa Agamemnon Ahoy Aileron Ajax Akimbo  
Altruism America Anecdote Aorta Aptitude Aquarium  
Arcade Aspartame Attrition Aurelius Avuncular  
Awning Axminster Ayers Azure Banishment  
Benighted Bhagavad Biblical Bjorn Blancmange  
Bolton Brusque Burnish Bwana Byzantium Cabbala  
Cetacean Charlemagne Cicero Clamorous Cnidarian  
Conifer Crustacean Ctenoid Culled Cynosure Czarina

Dalmatian Delphi Dhurrie Dinner Djinn Document  
Drill Dunleary Dvorak Dwindle Dynamo Eames  
Ebullient Echo Edify Eels Eftsoons Egress Ehrlich  
Eindhoven Eject Ekistics Elzevir Eminence Ennoble  
Eocene Ephemeral Equator Erstwhile Estienne  
Etiquette Eucalyptus Everyman Ewen Exeter Eyelet  
Ezekiel Fanfare Ferocious Ffestiniog Finicky Fjord  
Flanders Forestry Frills Furniture Fyrfot Garrulous  
Generous Ghastly Gimlet Glorious Gnomon Golfer  
Grizzled Gumption Gwendolyn Gymkhana Harrow  
Heifer Hindemith Horace Hsi Hubris Hybrid Iambic  
Ibarra Ichthyology Identity Ievgeny Ifrit Ignite  
Ihre Ikon Iliad Imminent Innovation Iolanthe  
Ipanema Irascible Island Italic Ivory Iwis Ixtapa  
Iyar Izzard Janacek Jenson Jitter Joinery Jr.  
Jungian Kaiser Kenilworth Khaki Kindred Klondike

Knowledge Kohlrabi Kraken Kudzu Kvetch Kwacha  
Kyrie Labrador Lent Lhasa Liniment Llama  
Longboat Luddite Lyceum Mandarin Mbandaka  
Mcintyre Mdina Mendacious Mfg. Mg Millinery Mlle.  
Mme. Mnemonic Moribund Mr. Ms. Mtn. Munitions  
Myra Narragansett Nefarious Nguyen Nile Nkoso  
Nnenna Nonsense Nr. Nunnery Nyack Oarsman  
Oblate Ocular Odessa Oedipus Often Ogre Ohms  
Oilers Okra Olfactory Ominous Onerous Oogamous  
Opine Ornate Ossified Othello Oubliette Ovens  
Owlish Oxen Oyster Ozymandias Parisian Pb Pd.  
Penrose Pfennig Pg. Pharmacy Pirouette Pleistocene  
Pneumatic Porridge Pp. Principle Psaltery Ptarmigan  
Pundit Pyrrhic Qaid Qed Qibris Qom Quill Ransom  
Rb. Rd. Renfield Rheumatic Ringlet Rm. Ronsard  
Rp. Rte. Runcible Rwanda Rye Salacious Sbeitla

Scherzo Serpentine Sforza Shackles Sinful Sjoerd  
Skull Slalom Smelting Snipe Sorbonne Spartan  
Squire Sri Stultified Summoner Svelte Swarthy  
Sykes Szentendre Tarragon Tblisi Tcherny Tennyson  
Thaumaturge Tincture Tlaloc Toreador Treacherous  
Tsunami Turkey Twine Tyrolean Tzara Ubiquitous  
Ucello Udder Ufology Ugric Uhlan Uitlander  
Ukulele Ulster Umber Unguent Uomo Uplift Ursine  
Usurious Utrecht Uvula Uxorious Uzbek Vanished  
Vd. Venomous Vindicate Voracious Vrillier Vs.  
Vt. Vulnerable Vying Washington Wendell Wharf  
Window Wm. Worth Wrung Wt. Wunderman Wyes  
Xanthan Xenon Xiao Xmas Xray Xuxa Xylem Yarrow  
Ybarra Ycair Yds. Yellowstone Yggdrasil Yin Ylang  
Yours Ypsilanti Yquem Yrs. Ys. Ytterbium Yunnan  
Yvonne Zanzibar Zero Zhora Zinfandel Zone Zuni



# Zwieback Zygote

AARDVARK ABLUTION ACRIMONIOUS  
ADVENTURES AEOLIAN AFRICA AGAMEMNON  
AHOY AILERON AJAX AKIMBO ALTRUISM  
AMERICA ANECDOTE AORTA APTITUDE AQUARIUM  
ARCADE ASPARTAME ATTRITION AURELIUS  
AVUNCULAR AWNING AXMINSTER AYERS  
AZURE BANISHMENT BENIGHTED BHAGAVAD  
BIBLICAL BJORN BLANCMANGE BOLTON  
BRUSQUE BURNISH BWANA BYZANTIUM CABBALA  
CETACEAN CHARLEMAGNE CICERO CLAMOROUS  
CNIDARIAN CONIFER CRUSTACEAN CTENOID  
CULLED CYNOSURE CZARINA DALMATIAN  
DELPHI DHURRIE DINNER DJINN DOCUMENT  
DRILL DUNLEARY DVORAK DWINDLE DYNAMO

EAMES EBULLIENT ECHO EDIFY EELS EFTSOONS  
EGRESS EHRLICH EINDHOVEN EJECT EKISTICS  
ELZEVIR EMINENCE ENNOBLE EOCENE EPHEMERAL  
EQUATOR ERSTWHILE ESTIENNE ETIQUETTE  
EUCALYPTUS EVERYMAN EWEN EXETER EYELET  
EZEKIEL FANFARE FEROCIOUS FFESTINIOG  
FINICKY FJORD FLANDERS FORESTRY FRILLS  
FURNITURE FYLFOT GARRULOUS GENEROUS  
GHASTLY GIMLET GLORIOUS GNOMON GOLFER  
GRIZZLED GUMPTION GWENDOLYN GYMKHANA  
HARROW HEIFER HINDEMITH HORACE HSI  
HUBRIS HYBRID IAMBIC IBARRA ICHTHYOLOGY  
IDENTITY IEVGENY IFRIT IGNITE IHRE IKON  
ILIAD IMMINENT INNOVATION IOLANTHE  
IPANEMA IRASCIBLE ISLAND ITALIC IVORY IWIS  
IXTAPA IYAR IZZARD JANACEK JENSON JITTER

JOINERY JR. JUNGIAN KAISER KENILWORTH  
KHAKI KINDRED KLONDIKE KNOWLEDGE  
KOHLRABI KRAKEN KUDZU KVETCH KWACHA  
KYRIE LABRADOR LENT LHASA LINIMENT  
LLAMA LONGBOAT LUDDITE LYCEUM MANDARIN  
MBANDAKA MCINTYRE MDINA MENDACIOUS MFG.  
MG MILLINERY MLLE. MME. MNEMONIC MORIBUND  
MR. MS. MTN. MUNITIONS MYRA NARRAGANSETT  
NEFARIOUS NGUYEN NILE NKOSO NNENNA  
NONSENSE NR. NUNNERY NYACK OARSMAN  
OBLATE OCULAR ODESSA OEDIPUS OFTEN OGRE  
OHMS OILERS OKRA OLFACTORY OMINOUS  
ONEROUS OOGAMOUS OPINE ORNATE OSSIFIED  
OTHELLO OUBLIETTE OVENS OWLISH OXEN  
OYSTER OZYMANDIAS PARISIAN PB PD. PENROSE  
PFENNIG PG. PHARMACY PIROUETTE PLEISTOCENE

PNEUMATIC PORRIDGE PP. PRINCIPLE PSALTERY  
PTARMIGAN PUNDIT PYRRHIC QAID QED  
QIBRIS QOM QUILL RANSOM RB. RD. RENFIELD  
RHEUMATIC RINGLET RM. RONSARD RP. RTE.  
RUNCIBLE RWANDA RYE SALACIOUS SBEITLA  
SCHERZO SERPENTINE SFORZA SHACKLES  
SINFUL SJOERD SKULL SLALOM SMELTING  
SNIPE SORBONNE SPARTAN SQUIRE SRI  
STULTIFIED SUMMONER SVELTE SWARTHY SYKES  
SZENTENDRE TARRAGON TBLISI TCHERNY  
TENNYSON THAUMATURGE TINCTURE TLALOC  
TOREADOR TREACHEROUS TSUNAMI TURKEY  
TWINE TYROLEAN TZARA UBIQUITOUS UCELLO  
UDDER UFOLOGY UGRIC UHLAN UITLANDER  
UKULELE ULSTER UMBER UNGUENT UOMO UPLIFT  
URSINE USURIOUS UTRECHT UVULA UXORIOUS

UZBEK VANISHED VD. VENOMOUS VINDICATE  
VORACIOUS VRILLIER VS. VT. VULNERABLE VYING  
WASHINGTON WENDELL WHARF WINDOW WM.  
WORTH WRUNG WT. WUNDERMAN WYES XANTHAN  
XENON XIAO XMAS XRAY XUXA XYLEM YARROW  
YBARRA YCAIR YDS. YELLOWSTONE YGGDRASIL  
YIN YLANG YOURS YPSILANTI YQUEM YRS. YS.  
YTTERBIUM YUNNAN YVONNE ZANZIBAR ZERO  
ZHORA ZINFANDEL ZONE ZUNI ZWIEBACK ZYGOTE