

Kalbfleisch im Test:Triumph für Biomilch-Fütterung

Bis auf den letzten Platz gefu?llt war der Autobus, der zum Mustergut der Brauerei Stiegl nach Wildshut ausru?ckte. An Bord ging es lebhaft wie auf einer Klassenfahrt zu, doch die Themen unter den Fleischproduzenten und -verarbeitern waren ga?nzlich andere als unter Pubertierenden: Aktuelle Kilopreise fu?r Rindfleisch, Rezepttipps und Unterschiede in der Fressleistung der eigenen Ka?lber stimmten auf einen Tag ein, der minutio?s vorbereitet worden war und allen Beteiligten lange in Erinnerung bleiben wird: Neun Ka?lber aus drei La?ndern sollten blind verkostet werden, um den Einfluss der Fu?tterung auf die Fleischqualita?t mit den eigenen Sinnen zu erfassen. Sowohl fu?r Zu?chter als …



Es ist angerichtet! Hans Reisetbauer ero?ffnete den Pru?fstand, auf dem die Ka?lber aus drei La?ndern – und mit vo?llig unterschiedlichem Schlachtko?rper – bereit lagen.

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6]g'Ui Z'XYb 'YhnhYb'D'Uhn'[YZ] '`h'k Uf'XYf'5i hcVi gž'XYf'ni a
A i ghYf[i h'XYf'6fUi YfY]'Gh]Y['`bUW.'K]'Xg\i h'Ui gfi W_hY"'5b'6cfX
[]b['Yg''YV\UZh'k]Y'Ui Z'Y]bYf'? `UggYbZU\fh'ni ž'XcW.'X]Y'H\Ya Yb
i bhYf'XYb': `Y]gW.dfcXi nYbhYb'i bX'!j YfUfVY]hYfb'k UfYb'[Ubn`]W.
UbXYfY'U'g'i bhYf'Di VYfh]YfYbXYb.'5_hi Y``Y'?]'cdfY]gY'Z f
F]bXZY]gW.ž'FYnYdhh]ddg'i bX'I bhYfgW.]YXY']b'XYf': fYgg'Y]ghi b[
XYf'Y][YbYb'? U'VYf'gh]a a hYb'Ui Z'Y]bYb'HU['Y]bž'XYf'a]bi h]cg
j cfVYfY]hYh'k cfXYb'k Uf'i bX'U'`Yb'6YhY]`][hYb'`Ub[Y']b'9f]bbYfi b[
V'Y]VYb'k]fX.'BYi b'? U'VYf'Ui g'XfY]'@UbXYfb'gc``hYb'V`]bX
j Yf_cghYh'k YfXYbži a 'XYb'9]bZi gg'XYf': i hhYfi b['Ui Z'X]Y
: 'Y]gW.ei U']hUh'a]h'XYb'Y][YbYb'G]bbYb'ni 'YfZUggYb"'Gck c\`'Zi f
Ni W.hYf'U'g'Ui W.'Zi f'J YfUfVY]hYf'k Uf'X]YgYf'X]fY_hY'J Yf['Y]W.
BYi `UbX' ž'XUg'nY][hY'Ui W.'X]Y'\c\Y'6YhY]`][i b["

9]b[Y`UXYb`ni 'X]YgYa ';]dZY`hfYZZYb ']b'GUW\Yb'?U`V'\UhhY'XYf
?cW\"7Ua di g žY]bY'JYfY]b][ib['jcb'') 'Gd]hnYb!?cW\Yb'ibX
'\$``UbXk]fhgW\UZh`]W\Yb'DfcXi nYbhYb'i bhYf'XYf'5[]XY'jcb'<Ubg
FY]gYhVUi Yf'ibX'5bXfYUg'8c``YfYf"'+b']\fYb'K cf_g\cdg'ibX
JYf_cghib[Yb'k]Xa Yb'g]W\X]Y'A]h[`]YXYf'nigUa a Yb'a]h
DUfhbYfb'\Y]a]gW\Yb'; fibXdfcXi_hYb'ibX'YjU`i]YfYb'XYfYb
EiU`]hUhgdchYbn]U`"'GdYn]Y``'VY]a'?U'V'gU\`aUb
<UbX`ib[gVYXUfZž'gc'F]bXYfniW\hYf'<UbbYg'<cbY[[Yfž'XYf['Y]W\ni'6Y[]bb'Ub'X]Y'; Ughfcbca]Y'UddY``]YfhY.'G]Y'aigg
+bYfY]Yb'ibX'žgdYW]U`'W hg'UbV]YhYb'ibX'`YfbYbž'g]Y
niniVYfY]hYb'"'8Ybb'UiW\Y]b'GW\b]hnY```]Y\Yg]W\'b]W\h'bif'Uig
XYa'?U]gYfhY]`gW\bY]XYbž'gc'XYf'GU`nVif[Yf"

BYi b ? U`VYfž'XUfi bhYf'Ui WX 'K U[mi

<cbY[[Yf'\UhhY'gY`Vgh'Y]b'?U`V'Z]f'X]Y'JYf_cghi b['ni 'JYfZ][i b[
[YghY``hž'XUg'Yf'i bhYf'XYf'6YnY]W\bi b[' c_cbca]gW\Yf
K U\bg]bb 'j cfghY``hY"'5i g'gY]bYa '@ b[Ui Yf'6Yhf]YV'_Ua 'bUa `]W\
Y]b'gYW\g'A cbUhY'U`hYg'fY]bfUgg][Yg'fl'Ł'K U[mi!?U`V'ni f
JYf_cghi b["'<]Yf'k c``hY'UVYf'gY`Vgh'XYf'Ni W\hYf'k]ggYbž'k]Y'X]Y
hYi fY''UdUb]gW\Y'9XY`fUggY'''VY_Ubbh'Zi f']\f``Ub[gUa Yg</pre>

KUWAghia '']a '?U`V!GhUX]ia 'UVgWAbY]XYb'kifXY"'8cWA'Y\Y'Yg Ub XUg < Yfnghi W XYf J YfUbghU hi b[[]b[ž XYb J Yf[`Y]W \c``UbX]gW\Yfž'XYi hgW\Yf'i bX`\Y]a]gW\Yf'?U`Vgni gW\b]hhYž'k i fXY $Y]ba U`XYf`U_hi Y``Y`A Uf_h`UbU`mg]Yfh"`8Yf`g]Y\h```UbXYfg`U`g`XUg$ =bhYfYggUbhYfk Y]gY'k Uf'Yg'[`Y]WX 'XUg'; fi »k cfh'XYf'XUa U`][Yb @UbXk]fhgWXUZhga]b]ghYf]bžXUgX]Y DfcV`Ya Uh]_'_`Uf'Ui ZnY][hY. 8]Y 'NU\`'VY] 'XYb '[YgW\`UW\ hYhYb '? U`VYfb '\ Uh'g]W\ ']b 'XYb '`YhnhYb $A \ Uf] U^{:}: \ Ubb] b[\ Yf^{'}j \ cb^{`}XYf^{'}Cf[\ Ub]gUh] cb^{`} \ @Ub \ X^{'}gWX \ UZZh^{`}@Y \ V \ Y \ b \ \ \check{z}$ X|Y a |bi h|cg XYb K Y[XYf j |Yf ? U`VYf bUW nY |W bYhY ž X|Y 'YXY A i hhYf_i \ `]b `C ghYffY]WX `]a `@Ui ZY`]\fYg`@YVYbg`ni f`K Y`h`Vf]b[h" CghYffY]WX 'gWX `UWX hYh'fi bX')) "\$\$\$ '? U`VYf'dfc '\\J\fž'YI dcfh]Yfh UVYf'() "\$\$\$'H]YfYž'| cfbY\a `]W\'bUW\'<c``UbX" 'K ca]h'g]W\'Y]b ?U`VgdUfUXcl 'Yf[]VhžXUg`Ui g`XYa 'Ub`g]W\'k Y]hii VYf`X]Y GY`Vghj Yfgcf[ib['\]bUi g'a]h': `Y]gW\'j YfgY\YbYb'@UbX'Y]bYb a dcfhYifa UW\h"FiW]a dcfh]YfhkYfXYb'U``YfX]b[g'niaY]gh'bif $X[Y^{0}]XY^{0}Y]Y^{0}$ 8 Ug $Ybhgdf[Wh^{0}]b^{0}XYf^{0}A^{0}Yb[Y^{0}]XYa^{0}$: $Y[gWh^{0}]cb^{0}$ %\$) "\$\$\$ 'H]YfYb ž'qc'A Uf]U': Ubb]b[Yf"

9][YbjYfgcf[ib['ibX'XcW\'=a dcfh

; i h'Y]b'8f]hhY`XYg'_cbgi a]YfhYb'?U`Vg']b'CghYffY]WX Xi fZhY'Ui g b]YXYf`UbX]qWXYf`DfcjYb]Ybn`ghUa a Yb" 8]YqYf`\a dcfh`a i gq $[YghcddhkYfXYb \check{z}ZcfXYfh6]c!: Y]gWXYf < cbY[[YfXU\YfY]b]$ dYfj YfgY'G]hi Uh]cb'nY][hY'g]WX'Ui WX'Ub\UbX'Y]bYf'k]WXh][Yb Ni hUh:XYf:cghYffY]WX]gWXYb:?iWXYžX]Y:Zif:?U`Vgb]YfYbVfUhYb:k]Y Ui W. B]YfbX`b`a]h'<]fb 'i bj Yfn]W\hVUf']qh '8]Y'B]YfY'_cghYhY']b < c``UbX'&ž) \$'9i fc ž'fYW\bYhY'5bXfYUg'8c``YfYf'j cf"'A Y\f'bcW\.</pre> G]Y a i gghY Z f X]Y J Yf_cghi b['gc[Uf YI hfU Ub[YZcfXYfh k YfXYbž XYbb'Y][Ybh`]W\'k]fX'g]Y']b'XYb'B]YXYf`UbXYb'_Ui a 'j Yf`Ub[hž k U f b X g Y f h b X g Y bGWX`UWXh_cfdYfg'gY]" 9g'[Y\h``Y]XYf'bif'ia '?U]gYfhY]`'ibX $? \ UffYY \ Z'U``Yg`UbXYfY`k\]fX`i\ bhYf`K\ Yfh'j\ Yf_Ui\ Zh\ z'gc`8c``YfYfz`XYf$]b; c``]b['bYVYb'gY]bYa 'HcdfYghUi fUbh'Ui W\'Y]bY': `Y]gW\YfY] $fWYfi \ a h'Z f'X]Y' : f]gWXYb 'U']Ug'GU'nVi f[Yf'KY] * k i fghYŁ$ VYhfY]Vh"

6`UggYg'?U`VZ`Y]gW\'U`g'gW\UX`]W\Yf'A mh\cg

5dfcdcgigWka YW_Yb.18 Yb1A mh\cgij ca "VYgcbXYfgigWka UW_\UZhYb\YiYb?U'VZY]gWk__cbbhY'Ui Wkii bhYfiXYb19I dYfhYb1b]Ya UbX\YfiY]hYb"19]b]['k Ufia Ubig]Wkibi fžiXUggiX]Y1ZfUbncg]gWkY: UfVg_U`UžiX]Y1 V`UggYg i? U`V1ZUj cf]g]Yfhži[YfUXYni iY]bY\JYf_Y\fib[iXYfiE i U`]hUhgj Yf\U`hb]ggYiXUfghY``h"18 Ugi]ghiY]b?YbbnY]WkYb1Zi fi6`i hUfa i hžiU`gciUi Wkini ik Yb][i6Yk Y[i b[žZUgghYiYgi< UbYgi< cbY[[Yfini gUa a Yb"18 Uni __Ua YžiXUggig]WkiX]Y16Yk Y[i b[g]bhYbg]hUhiUi WkiUi ZiX]Y1E i U`]hUhiUi gk]f_h14/1a Y\fg]WkiX]Y16Yk Y[i b[g]bhYbg]hUhiUi WkiUi ZiX]Y1E i U`]hUhiUi gk]f_h14/1a Y\fg]Wki": i fiX]Y19I dYfhYb1YfghUi b`]Wkik UfiUi WkiXUgiXYi h`]WkiUvk Y]WkYbXYGWkiUWkh[Yk]WkhžiXUgii a "a Y\fiU`gi%\$\$i if*\$ini '%(**?]`c[fUa a ŁX]j Yf[]YfhY"

5a 'i bhYfYb '9bXY'XYf'G_U`U'ghUbX'XUg'_cbj Ybh]cbY```[YZi hhYfhY D]bn[Ui Yf!?U`Vž'XUg'a]h'A]`W\Ui ghUi gW\Yf'i bX'<Yi 'Ui Z[Ync[Ybki fXYž'gcZcfh'bUW\XYa 'X]Y'A]`W\'bUW\'nkc`Z'KcW\Yb'UV[YgYhnhkcfXYb'kUf"'8]YgYa '?iaaYf`]b['ghUbX'a]h'XYa '%(*'?]`cgW\kYfYb'AUgh_U`V'Ui g'XYa 'GW\`UW\hVYhf]YV':i]hYj YU`'Y]bB]YXYf`UbXYf'F]YgY'[Y[Ybi VYfž'i VYf'XYggYb'FUggY'U``YfX]b[gb]W\hg'ni 'YfZU\fYb'kUf"'8Ugg'Ui W\'6]c!:ihhYf'ni '[ihYa; Yk]W\hgUi Z'VUi 'Zi\fhž'VYk]YgYb'XYf'KY]ggV`Ui Y'6Y`[]Yf'f%\$&

?]`cŁ'Ui g'XYa '@ b[Ui 'YVYbgc'k]Y'XUg'6]c!D]bn[Ui Yf!?U`V'f%\$(?]`cŁ'j cb'K]`Xg\i h'i bX'j cf'U``Ya 'XUg'H]fc`Yf'; fUi j]Y\'f%&&'?]`c bUW\'j]Yf'A cbUhYb°Ł'Ui g'FUXYbh\Y]b"

8 Ug GWX `UWX h[Yk]WX h'j Uf]]YfhY 'VYhfUWX h`]WX

8 c W X]Y E i Ubh]hUh]bhYfYgg]YfhY 'U'bi f'Ua 'F UbXYž'Ua 'Dfi ZghUbX ghUbX'j cf'U``Ya 'X]Y'; i hY 'XYg'a]h'XYb'i bhYfgW]YX`]W Yb : i hhYfi b[YbžGW `UW hU`hYfb'i bX'F UggYb'Yfn]Y`hYb'? U`VZY]gW g" 9VYb'X]YgYb': U_hcf'i VYfdfi ZhYb'i bUV\Ub[]['j cb'Y]bUbXYf'%(F]bXZY]gW YI dYfhYb'k]Y'X]Y'? UfbhbYf'9fnYi [Yf[Ya Y]bgW UZh?U`V'FcgY 'cXYf'XYf'B]YXYfcghYffY]W Yf': `Y]gW Yf'A UbZfYX <c``YfgW a]X < c``YfgW a]X "GW `c[Y`ž'GW i `hYf'i bX'B]YfY k i fXYb'cdh]gW i bX'a]hhY`g'8fi W_dfcVYb'i bhYf'X]Y'@ dY [Ybca a YbžY\Y'Yg'Ub'X]Y'JYf_cghi b['[]b["

8]YgY YfZc`[hY ']b 'nk Y] 'Dfc VYb" 'HUfhUf'Ui g'XYf'? U`Vg\i Zh'ghUb X 'Zl f X]Y 'fc\Y'Ei U`]hUh'XYg': 'Y]gWX Yg'XYf'bYi b'? U`VYf" '5b[YVfUhYb k i fXY 'Yk Y] 'g'Y]b 'Ghi W_ 'Ui g'XYa '? U`Vgfi W_Ybž'X]Y'; UfnY]h'i bX X]Y '8]W_Y 'XYf'Ghi W_Y 'k Uf'XUVY] 'Zl f'U``Y'Dfc VYb'[`Y]WX "'5i WX 'XUg GWX`UWX hXUhi a 'fl%("'5df] 'Ł'k Uf'Zl f'U``Y']b`Ub X]gWX Yb 'Dfc VYb [`Y]WX ž'i a 'X]Y 'J Yf[`Y]WX VUf_Y]h'k]f_`]WX 'ni '[UfUbh]YfYb"'K Ug'X]Y Dfc Z]g'gWX cb 'Ub\Ub X'XYf'gc 'i bhYfgWX]YX`]WX Yb 'GWX`UWX h_cfdYf j Yfa i hYh'\UhhYbž'nY][hY'g]WX 'VY]a 'ZUWX`]WX Yb 'Fi bX[Ub['Ui WX cdh]gWX "'I bX'Ui WX 'Ua 'HY``Yf'k i fXY'gY`Vgh'Zl f'@U]Yb'_`Uf. 'K c'j]Y` K UggYf'Y]b[Y`U[Yfh'k Ufž'_Ua 'XUg'[YVfUhYbY'Ghi W_'VYfY]hg'a Y\f U`g' Xi fWX ž''U'Y][Ybh']WX 'i VYf[Ufhž'ni 'XYb'HYghYfb"

8 UZ f'nY][hY'g]W\ 'VY]'a UbW\ Yb'? U'VYfb'X]Y'j ca 'GhYU_'VY_UbbhY k i bXYfVUfY'; Ufghi ZY' a YX]i a "'5i ZZU``]['Ua '9f[YVb]g'k Uf'Ui W\ X]Y'[Yf]b[Y'5Vk Y]W\ i b['XYf'%('9I dYfhYb'j cb'XYf Di V`]_i a gk Yfhi b["'Gck c\``XUg'VYghY'? U`V'Yg'_Ua 'j cb'Y]bYa Ui ggW\`]Y» `]W\ 'a]h'A]`W\ 'Ui Z[Ync[YbYb'H]fc`Yf'; fUi j]Y\ 'j cb'6]c! 6Ui Yf'A]W\ UY``? YfgW\ VUi a Yf'fF UXYbh\ Y]bž'? UfbhYbŁ' 'k]Y'XUg gW\ `YW\ hYghY': `Y]gW\ 'k i fXYb'Y]b\ Y``]['[Yk U\`h"'&"- %%'Di b_hY Yf\]Y'h'XYf'G]Y[Yf'j cb'XYb'fi bX'+\$'JYf_cghYfb'j cf'Cfh"

? `Uf'UV[YgW\`U[Yb.'<c``UbX!?U`V

 $A = h'''' * , \& Di b_h Y b' V' Y V X U g' U' h Y g h Y' ? U' V ž' Y b' g Y V Y b Y b Y b V U' V$ A cbUhY ']b '< c``UbX '[Ya UghYhYg'H]Yf'f] YfdUW_hY 'GW\U`Y'Ui g'XYa ; fc» a Uf_hŁžXU[Y[YbibhYf&"\$\$\$Dib_hYbibXkifXYi_`UfYq GWX`i gg`]WXh"'6YfY]hg`Ua `HY``Yf`\UhhYb`X]Y`V`UggY`: UfVY`i bX`XUg `Y]W\h`gUi Yf`]W\Y`HUfhUf`g]W\`XYi h`]W\`j cb`XYb`UbXYfYb`DfcVYb UV[Y\cVYb"'K Yb]['VYqqYf'kifXY'XUq'XYihqW\Y'?U`Vž'XUq YVYbZU``q`]b'XYb'B]YXYf`UbXYb'[Ya UghYh'k i fXYž'VYk YfhYh'f%"-*+ Di b_hYt"; Ya Y]bgUa 'a]h'XYa '_cbj Ybh]cbY``Yb 'D]bn[Ui Yf F]bXž XUg^{A}]`W\Ui ghUi gW\Yf'i bX'<Yi 'U`g': i hhYf'Yf\]Y`hž'V]`XYhY'XUg']b 8 Yi hgWX`UbX`[YVcfYbYibX`[YgWX`UWXhYhY`GWXk UfnVibh < c`qhY]b 'XUg'`YhnhY'8f]hhY`"'8]Y'9\fY'XYg'D]bn[Ui Yf'F]bXg'fYhhYhY</pre> UVYf'XUg']b'V]c`c[]gWXYf': i hhYfi b['Ui Z[Ync[YbY'?U`V']ca 'Gh]Y[`! ; i h K] Xg i h Yg Yf] Y h X] Y nk Y] h V Ygh Y 6 Yk Yfhi b ['fk', ' 'Dib_hYk]a ; YgW.a UW_ghYgh" | VYffUgW.YbX k Uf Ui W. XUg 5VqW\bY]XYb'XYq'K U[mi!?U`Vqž'XUq'q]W\bif'k Yb]['jcf'XYb $_`UfYb GWX i gg`]WX hYfb Ui Z'D`Uhn Zi bZY]bfY]\hY"$

8]Y: fYi XYi bhYfXYb? UfbhbYfNi W.hYfb'ghY][YfhY\]b[Y[Yb'XYf[i hY'Xf]hhY'D`Uhn'Zi f'XUg'? U'V'FcgY 'f&"*, & Di b_hYŁžXUg a Y\fZUWX'U`g'cghYffY]W.]gWXY'5bhk cfh'Ui Z'XUg'\c``UbX]gWXY A Ugh_U`V'[YbUbbh'k i fXY"'8 Ug'a]h'g]YVYb'A cbUhYb'nk Y]hU`hYghY H]Yf'YfZi \f'YVYbZU``g'Y]bY'_cbj Ybh]cbY``Y': i hhYfi b['VY]'XYf; YbcggYbgW.UZh' 6Ui Yf`]WXYJYfa Uf_hi b['?UfbhbYf': `Y]gW. "'A]h gY]bYf'Xi b_`YfYb': `Y]gW.ZUfVY'i bX'Y]bYa 'k i bXYfVUf'a i fVYb 6]gg'ghY``hY'Yg'dfU_h]gW.XUg'; Y[YbhY]`'XYf'DfcVY'Ui g'XYb B]YXYf'UbXYb'XUf"'I bX'XUg'j cb'Y]bYa '<c`ghY]b!: f]Yg]Ub!H]Yf ghUa a YbXY': `Y]gW.'fi bXYhY'XYb'8fY]ZUWX!G]Y['XYf'\Y]a]gWXYb?U`VYf'UV"'Gc'_`Uf'\UhY'XUg'9f!'[YVb]g'k c\``b]Ya UbX'Yfk UfhYhž ni a U``Ui WX'X]Y'9I dYfhYb!\$i fm'fl 'Y]gWXYfž'?cWXYž'F]bXYfni WXhYfk bU\Yni 'XYW_i b[g['Y]WX'a]h'XYb'?cWXYb'i bX'JYfVfUi WXYfb j ch]YfhY°

8 Ugʻ9f[YVb]gʻXYgʻ?cW."7 Ua digʻk UfʻUVYfʻUi W. Y]bY
6YghUh][ib[ˈZi fʻX]YʻGU`nVif[Yfʻ; Ugh[YVYf"'8Ybbʻ]bʻXYfʻU`d]bYb
@UbXgW.UZhʻ]ghʻ?U`VʻbUW.k]Yʻj cfʻY]bʻk]W.h][YgʻH\Ya UʻXYf
@UbXk]fhY"'8 UgʻnY][hʻg]W.'Ui W.'VY]a '\c\Ybʻ6]c!5bhY]`žʻXYfʻg]W.
U`gʻ_`UfY`5`hYfbUh]j Yʻni 'XYbʻXi fW.'\U`Vʻ9i fcdU'[Y_UffhYbʻ6UVm!
F]bXYfbʻYa dZU\`"K U\fYbX`Yfʻ]bʻCghYffY]W.'VY]a '?U`V`&&`DfcnYbh

 $VYhfU[h\check{z}^*]Y[h^*X]Y^*NU\\ ^*Zif^*GU^*nVif[Yf^*?U^*V^*YfY]hg^*VY]^*ghc^*nYb^**\\ DfcnYbh''$

< Yf_i bZh'Ui WX 'VY]a 'K]fh'VYnY]WXbYb

; YZY]Yfh'k i fXY'X]YgYg'Y]bXfi W_gj c``Y'D`UXcmYf'Z f'\Y]a]gW\Yg
f6]cŁ?U`V'bUhi f`]W\ a]h'Y]bYa 'A Ybi 'fi bX'i a 'X]YgYg': `Y]gW\"
5i W\ `\]Yf'nY][hY'g]W\ 'X]Y'J]Y`ZU'h][_Y]h'XYg'?U`Vgž'k]Y'5bXfYUg
8c``YfYf'i bhYfghf]W\ ž']b'XYggYb'?i W\Y'Yg'ni VYfY]hYh'k i fXY.' 5`g
Yg'i a 'X]Y'; Yf]W\ hY'[]b[ž'\Uh'_Y]b'Y]bn][Yf'?c``Y[Y'Yhk Ug'a]h
9XY`hY]'Yb'j cf[YgW\`U[Yb" 'J ca 'di f]gh]gW\Yb'6f]Yg'XYg
<Ui g\Yffb'i VYf'; YfUi W\YfhY'Ni b[Y'a]h'<Yi a]'W\ 'i bX'@YVYf!9]g
fl'Ł 'j cb'J]hi g'K]b_`Yffl; Yb]Y» Yf\chY``Gcbb\cZ ž'Gh"'JY]hŁ'i bX
?U`Vga Uf_'a]h'?Uj]Uf'5bXfYUg'GYbbg'fl GYbb g ž'GU`nVi f[Ł
fY]W\ hY'X]Y'DU`YhhY"'GY`Vgh'XYf'U`hVYk U\fhY'; YZ ``hY'GW\`Ydd
k i fXY'j cb'<i VYfh'K U``bYffl F Yg!'hUi fUbh'<i VYfh'K U``bYfž
8Y``UW\Ł'a]h'Bi ggVi hYf!Dc`YbhU'i bX'ZYfa Ybh]YfhYf
7\Ua d][bcbWfYa Y'nY]h[Ya U» ']b'GnYbY'[YgYhhh"

I bX'Zi f'U``Y'Ua 'H]gW\'k Uf'_`Ufž'XUgg'a Ub'5bXfYUg'8c``YfYfg
5ddY``ni f'@YVYbga]hhY`_YbbnY]W\bi b[']b'XYf'; Ughfcbca]Y
ni gh]a a h '8 Ug'GW\b]hnY``[Y\h'YXYb'Ub"'K Ybb'X]Y'@Yi hY'k]ggYb
k i fXYbž'k c'Yg'\Yf_ca a hž'_Ua Y'Yg'ni 'Y]bYa 'I a XYb_Yb'cXYf'g]Y
k i fXYb'Yg'k Yb][Yf'cZh'YggYb" '8 Ybb'b]W\hg'[Y[Yb'; ci XU' ž'UVYf
k Yf'k]``gW\cb'Y]b' 5a ghYfXUa Yf'GW\b]hnY` ']a '6Y]g`'VYghY``Yb3

$8]YgYg?U`VZ`Y]gWX k i fXY'j Yf_cghYh$

%'6]c'Cf][]bU`'D]bn[Ui Yf'6]c!Jc``a]`WX!?U`Vž 5`hYf.'('AcbUhY"'@UbXk]fh.'Gh]Y[`'; i h'K]`Xg\i hž'CC

& '6]c': 'YW_j]Y\ '6]c!J c``a]`WX!? U`V ž'5`hYf.'' ž) 'A cbUhY @UbXk]fh '7\f]gh]Ub'K]fbgdYf[Yf'j i `[c'8 Ug`Yfž'A Ui hYfbXcfZ' @ b[Ui

' '< c``UbX]gWXYg`A Ugh_U`V '5`hYf.'+ \check{z}) 'A cbUhY \check{z} '[YVcfYb \check{z} [Ya UghYh'i bX'[YgWX`UWXhYh']b'B]YXYf`UbXY"'JYfa Uf_hi b[']b C ghYffY]WX

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('Cf][]bU``D]bn[Ui Yf'_cbj Ybh]cbY```[YZi hhYfhYg'?U`V'a]h A]`W.Ui ghUi gW.Yf'i bX'<Yi ž'5`hYf.'* 'A cbUhY"'@UbXk]fh 'GhYZUb 8i ffž'@Yc!'[Ub[!D]bn[Ui

-) '8 Yi hgWX Yg'A Ugh_U`V'5`hYf.'+'AcbUhY"'; YVcfYb']b 8 Yi hgWX`UbXž'[Ya UghYh']b'B]YXYf`UbXYž'[YgWX`UWXhYh']b 8 Yi hgWX`UbX

•

- + $^{\circ}$ C $^{\circ}$ K U[$^{\circ}$ G $^{\circ}$ C! J $^{\circ}$ C $^{\circ}$ A $^{\circ}$ C b U hY $^{\circ}$ A $^{\circ}$ C b U hY $^{\circ}$ C b U hY $^{\circ}$ C b U hY $^{\circ}$ C b U b Y g $^{\circ}$ C b Y [[Y f $^{\circ}$ j i $^{\circ}$ C b H f c a c f hž @Y g g U W $^{\circ}$ C b [U i
- , '? U`V 'F c gY ž' < c`ghY]b': f]Yg]Ub'_cbj Ybh]cbY```[Y Zi hhYfhYg ? U`V ž

5`hYf.'+'AcbUhY'6UiYf`]W\Y'JYfaUf_hib['?UfbhbYf': `Y]gW\fY["; YbaV<ž'Dfc[fUaa'?U`V'FcgY''?UfbhYb

- '6]c 'K Y]ggV`Ui Yf'6Y`[]Yf'6]c!Jc``a]`WX!?U`Vž'5`hYf'' ž) A cbUhY"'@UbXk]fh'<Yfa Ubb'A Ui gYf'j i `[c'A Yhn[Yfž'A Ui hYfbXcfZ' @ b[Ui

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