

CdYbXU. 8Yf? Ua dZi a 'X]Y Hcf^A[Yf_UbcbY]b XYf 6i bXYg`][U

@Y]dn][g'@c]g'CdYbXU'_ØbX][h'Ubž' < Uffm'? UbY'U`g HcfgW\ØhnYb_Ob]['XYf'6i bXYg`][U'UV`OgYb'ni 'k c``Yb" GdUbbi b['di f°

@Y]dn][g'GhØfa Yf'@c]g'CdYbXU'\Uh'Y\f[Y]n][Y'N]Y'Y'ZØf'X]Y
U_hi Y``Y'6i bXYg`][U!GU]gcb'i bX'a ÒW\hY'g]W\'Y]bYb'D`Uhn'Ub'XYf
Gd]hnY'XYf'HcfgW\ØhnYb`]ghY'g]W\Yfb"'BUW\'Y]bYa 'ghUf_Yb
V]g\Yf][Yb'JYf`Ui Z'XYf'GU]gcbž']b'XYa 'CdYbXU'VYfY]hg'&('HcfY
Yfn]Y`h'\Uhž'n]Y`h'Yf'bi b'XUfUi Z'UVž'XYb'U_hi Y``Yb'Gd]hnYbfY]hYf
<Uffm'?UbY'ni 'ØVYf\c`Yb"

5_hi Y```VY`Y[h'CdYbXU'a]h'gY]bYb'&('HfYZZYfb'XYb'Xf]hhYb'D`Uhn\]bhYf'?UbYž'XYf'VYY]bXfi W_YbXY'' * 'HcfY'Yfn]Y`h'\Uhž'i bX'GYf\ci; i]fUggma]h'&, 'HcfYb"'=a'; YgdfÀW\'a]h'XYf'6=@8'Ài »YfhYCdYbXU'gY]bYb'K]``Ybž'gY]bY'HcfnU\``kY]hYf'ni 'Yf\Ò\Yb.'=\W_Ubb'_Y]bY'NU\``bYbbYbž'UVYf'Yg'gc``Yb'bcW\'aY\f'kYfXYb"8]YgY'9bhgW\`cggYb\Y]h'nY][hž'k]Y'k]W\h]['X]Y']bX]j]XiY``Y@Y]ghi b['ZØf'XYb'Gd]Y`Yf']ghži a'XUg'HYUa'j cfUbni Vf]b[Yb"

CdYbXUg'_Aa dZYf]gWXYf'; Y]gh

 $\label{eq:continuous} $$J\ cf'_i \ fnYa\ 'nY][\ hY'g]WX'CdYbXU'Y]b'k Yb][\ 'j Yfk]ffh'ØVYf'XYb 6Y[f]ZZ' \ HcfgWX ØhnYb_Ob]["'BUWXXYa']\a'X]Y'6YXYi hi b[Yf'Ài YfhYb'k i fXYž'Yf_`AfhY'Yf.' 8 Ug']gh'Y]b'N]Y`'ZØf'a]WX'''\\\\\ a OWX hY'Y]bYf'XYf'VYghYb'HcfgWX ØhnYb'gY]bž'Ua''`]YVghYb'X]Y Bi a a Yf'%"'8 Ug']gh'Ui WX'Y]b'5bgdcfb']b'XYb'HfU]b]b[gY]b\Y]hYb'' 8]YgY'5i ggU[Y'i bhYfghfY]WX h'b]WX h'bi f'CdYbXUg'9\f[Y]nž'gcbXYfb fYZY_h]Yfh'Ui WX'X]Y'5fh'i bX'K Y]gYž'k]Y'Yf'g]WX'_cbh]bi]Yf`]WX j YfVYggYfb'a OWX hY''$

#D:XYf:[Y[Ybk Àfh][Yb:GU]gcb:]gh:CdYbXU:]b:XYf:Hcf'À[Yf:]ghY
[Ya Y]bgUa a]h:g]YVYb:UbXYfYb:Gd]Y:Yfb:Ui Z:XYa ink Y]hYb:D:Uhn"
6YgcbXYfg:VYa Yf_Ybgk Yfh:]ghž:XUgg:XUni :Ui W.:XYf:6UmYfb!
@Y]\gd]Y:Yf:DUi ::K UbbYf:[Y\Ofh":5bXYfg:[YghU:hYh:g]W.:X]Y
G]hi Uh]cb:ZØf:5bXfY^?fUa Uf]Wj cb:XYf:HG; ž:XYf:a]h:j]Yf:HcfYb
Ui g:nk Y]:Gd]Y:Yb:X]Y:@]ghY:UbZØ\fh":8]Y:?cb_i ffYbn:k]fX:U:gc
b]W.h:k Yb][Yf:[Yk cfXYb:gY]bž:k Ug:CdYbXUg:<YfUi gZcfXYfi b[Yb
bi f:j YfghÀf_h"

<Uffm? UbYg '9]bgh]Y[']b 'X]Y 'GU]gcb 'k Uf 'nk Uf'\YfUi gZcfXYfbXž'k Y]`
Yf'j cb 'F ØW_YbdfcV`Ya Yb '[Yd`U[h'k Ufž'YXcW\ \Uh'Yf'bi b 'gY]bYb
YfghYb 'HfYZZYf']b 'XYf'U_hi Y``Yb '6i bXYg`][U!GU]gcb 'Yfn]Y`h" '6Y]a
&. \$!G]Y['XYf '6UmYfb '[Y[Yb': fY]Vi f['hfUZ'Yf'ni `Yhnh']bg 'Hcf'i bX
gW\ Y]bh 'Yhnh'k]YXYf']b 'HcdZcfa 'ni 'gY]b "'8]Yg 'ghY``h 'YXcW\ 'Y]bY
[fc > Y ' < YfUi gZcfXYfi b['ZØf'CdYbXU'XUfž'XYf'g]W\ ']b 'XYb
_ca a YbXYb 'K cW\ Yb 'VYk Y]gYb 'a ÒW\ hY"</pre>

8 Yf'K Yhh_Ua dZi a 'XYb'H]hY`XYg'VYghYb'HcfgWXØhnYb']b'XYf 6i bXYg`][U'k]fX'XUa]h'YfZfYi `]WXYfk Y]gY']bhYbg]j Yf"'C V'X]Y bÀWXghY'NY]h'bcWX'k Y]hYfY'K YbXi b[Yb']b'XYf'HcfgWXØhnYb`]ghY Vf]b[hž'V`Y]Vh'UVni k UfhYb"'Gc'cXYf'gc']gh'XYf'? Ua dZ'nk]gWXYb X]YgYb'hU`Ybh]YfhYb'Gd]Y`Yfb'Y]b'gdUbbYbXYg'GWXUi gd]Y`'ZØf:i » VU``ZUbg'i bX'k]fX'X]Y'9a ch]cbYb'Ui Z'XYa 'D`Uhn'k Y]hYf Ub\Y]nYb"

8]Y'G]hi Uh]cb'nY][h'Y]bXfØW_`]W\ž'k]Y'XmbUa]gW\'X]Y'6i bXYg`][U]ghi bX'k]Y'g]W\'X]Y'Gd]Y`Yf'[Y[YbgY]h]['UbhfY]VYbži a < ÒW\gh`Y]ghi b[Yb'ni 'Yfn]Y`Yb"'CdYbXU'\Uh'gY]bY'A]gg]cb'_`Uf Zcfa i `]Yfh '9f'k]``g]W\']a '@Ui ZY'XYf'GU]gcb'b]W\h'bi f'VYk Y]gYbž gcbXYfb'Ui W\'XYb'H]hY``XYg'HcfgW\ØhnYb_Ob][g'UbghfYVYb"'8]Y: Ubg'XØfZYb'[YgdUbbh'Ui Z'X]Y'_ca a YbXYb'Gd]Y`Y'V`]W_Ybž']b XYbYb'g]W\'XUg'HU`Ybh'j cb'CdYbXU'a YggYb'k]fX"

6 Ygi WX Yb 'G]Y 'i bg 'Ui Z. 'b!U["XY