

< YUfhghfc_Y : Ygh]j U`']b ;]Y » Yb . '9]b A i g]_hfUi a 'k]fX K]f_`]WX _Y]h</pre>

±0;]Y » Yb 'ZY]Y fh 'Ua '&+"' → `] 'X Ug' < Y U fhghfc_Y ': Ygh]j U` DfYa]Y fY 'Y]b 'Y]bn][Ufh][Yg 'HY W bc!9j Ybh 'a]h '8 >g 'i bX i bj Yf[Ygg`]W Ya '5a V]YbhY"

± XYf`\Ygg]gW\Yb`I b]j Yfg]hÀhgghUXh;]Y» Yb`ZY]YfhY`Ua `GUa ghU[ž XYb`&+"'→`]ž`XUg`< YUfhghfc_Y`: Ygh]j U``gY]bY`DfYa]YfY"'8]YgY VYgcbXYfY`J YfUbghU`hi b[`\Uh`b]W\h`bi f`XUg`N]Y`ž'@]YV\UVYfb Y`Y_hfcb]gW\Yf`A i g]_'Y]bY`D`UhhZcfa `ni `V]YhYbž`gcbXYfb`Ui W\`X]Y `c_U`Y`; Ya Y]bgW\UZh`ni `VYfY]W\Yfb"`A]h`Y]bYf`J]Y`nU\``j cb I bhYfghØhnYfb`i bX`Y]bYa `Yb[U[]YfhYb`HYUa `k c``hYb`X]Y Cf[Ub]gUhcfYb`Y]b`i bj Yf[Ygg`]W\Yg`9f`YVb]g`gW\UZZYb"

8 Ug < YfnV`i h XYf Cf[Ub]gUhcfYb

8 Ug' < Yfn'XYg' < YUfhghfc_Y': Ygh]j U`g'gW\`À[h'ZØf'Y]bY'; fi ddY'j cb nY\b''Y]XYbgW\UZh`]W\Yb'DYfgcbYbž'X]Y'Xi fW\']\fY i bhYfgW\]YX`]W\Yb' <]bhYf[fØbXY'i bX'9fZU\fi b[Yb'[YdfÀ[h'g]bX"D\]`]dd'@Ybnž'XYf'HY]`'XYg'Cf[Ub]gUh]cbghYUa g']ghž'VYa Yf_hYž XUgg'j]Y`Y'j cb']\bYb'Ui g'XYa 'BUW\h`YVYb'ghUa a Ybž'k Ug']\bYb Y]bY'k Yfhj c``Y'DYfgdY_h]j Y'V]YhYh'' K]f'Vf]b[Yb'i bgYfY'Y][YbYb 9f`YVb]ggY'i bX'i bgYf'BYhnk Yf_'Y]bži a 'Y]b'[Yi b[YbYg'9j Ybh'ni [YghU`hYb ž'Yf_`Àfh'@Ybn"'8 Ug'HYUa '\Uh'J YfV]bXi b[Yb'ni ?Øbgh`Yfb'i bX'5[Ybhi fYb']b'GhÀXhYb'k]Y';]Y»Ybž'A UfVi f['i bX : fUb_Zi fh'[Y_bØdZhž'X]Y']\bYb'VY]'XYf'I a gYhni b[']\fYg'HfUi a g [Y\c`ZYb'\UVYb"

9]bf]WX hi b['i bX' < YfUi gZcfXYfi b[Yb

 $8\,]Y\,^{\circ}C\,f[\,\,Ub\,]gUh]c\,b\,^{\circ}Y\,]b\,Yg\,^{\circ}:\,Ygh]j\,\,\,U\,^{\circ}g\,^{\circ}V\,f]b\,[\,\,h\,^{\circ}n\,U\,\backslash\,\,^{\circ}fY\,]W\lambda\,Y$

<YfUi gZcfXYfi b[Yb'a]h'g]WX"'@Ybn'VYhcbhž'XUgg'Yg'b]WXh'bi f
XUfi a '[Y\hž'XYb'5i ZVUi 'XYf'6Ø\bYb'i bX'X]Y'6i WXi b['XYf
?Øbgh'Yf'ni 'd`UbYb"'5i WX'X]Y'; YbY\a][i b[Yb'j cb'6Y\ÒfXYb'i bX
X]Y'5bgdfØWXY'XYf'; AghY'gd]Y`Yb'Y]bY'[fi bX`Y[YbXY'Fc``Y"' K]f
a i gghYb'j]Y`Y': fU[Yb'VYUbhk cfhYbž'XUfi bhYfž'k]Y'k]f'X]Y
6Ygi WXYf'ni Zf]YXYbghY``Yb'_ÒbbYb'i bX'k Ug']a ': U``Y'j cb
gWX`YWXhYa 'K YhhYf'dUgg]Yfh ž'gU[h'@Ybn"'8]YgY'8]b[Y'ni
VYfØW_g]WXh][Yb'k Uf'YbhgWXY]XYbXž'i a 'Y]b'g]WXYfYg'i bX
Ub[YbY\aYg'5a V]YbhY'ni 'gWXUZZYb"</pre>

9]b : Ygh]j U`ZØfX]Y ; Ya Y]bgWXUZh

8 Ug' < YfnghØW_ 'XYg': Ygh]j U`g']gh'b]W\h'bi f'X]Y'A i g]_ž'gcbXYfb
Ui W\ 'X]Y'; Ya Y]bgW\UZhž'X]Y'Yg'i a []Vh'' < cW_UfÀh][Y'? Øbgh`Yfž
XUfi bhYf'XYf'VY_UbbhY'8 > A 7F!Hž'XYf'ØVYf'Y]bY'A]``]cb
a cbUh`]W\Y'GhfYUa g'j YfnY]W\bYhž'k UfYb'HY]``XYg'@]bY!i dgž'XUg
Y]bY'A]gW\i b['Ui g'`c_U`Yb'i bX'ØVYffY[]cbU`Yb'HU`YbhYb'Vch''
I bgYf'N]Y``]gh'Ygž'Y]bY'5ha cgd\ÀfY'ni 'gW\UZZYbž']b'XYf'g]W\'YXYf
k]``_ca a Yb'ZØ\`h'i bX'GdU» '\Uh ž'Yf[Àbnh'@Ybn''

; Ya Y]bgUa Y'9f`YVb]ggY'i bX'Z]bUbn]Y``Y I bUV\Àb[][_Y]h

CVk c\`X]Y Cf[Ub]gUhcfYb j]Y `@Y]XYbgWX UZhii bX '9b[U[Ya Ybhi]b XUg': Ygh]j U``ghYW_Ybž'g]bX 'X]Y 'Z]bUbn]Y ``Yb '5gdY_hY 'b]WX h'XYf < Ui dhZc_i g" K]f'VYnU\`Yb 'U``Yg'Ui g'Y][YbYf'HUgWXY'i bX a ÒWX hYb 'Y]bZUWX 'g]WX YfghY ``Ybž'XUgg'X]Y 'HYWX b]_ 'Zi b_h]cb]Yfhii bX i bgYfY'; ÀghY 'Y]bY'[i hY 'NY]h'\UVYb ž'VYhcbh'@Ybn": Øf'XUg'HYUa ghY\h'XUg'; Ya Y]bgWX UZhg[YZØ\``i bX 'X]Y 'GWX UZZi b[i bj Yf[Ygg`]WXYf'A ca YbhY 'Ub 'YfghYf'GhY``Y"'G]Y 'g]bX 'ØVYfnYi [hž XUgg'X]Y 'VYghYb '9f`YVb]ggY'Ui g'XYa '[Ya Y]bgUa Yb'A]hY]bUbXYf YbhghY\Yb"

8 Ug'_i `]bUf]gW\Y'5b[YVch'i bX'`c_U`Y I bhYfbY\a Yb

 $BYVYb^*XYf^*A i g]_^V]YhYh^*XUg^*: Ygh]j U^*Ui W^*_i ^]bUf]gWAY$

? Ògh`]WX_Y]hYb`Ui g`XYf`FY[]cb`Ub"`< ÀbX`Yf`k]Y`FU[Unnc`D]nnU`i bX
MU[]'Gi g\];gcf[hYb`XUZØfž`XUgg`ZØf`XUg``Y]V`]WXY`K c\``XYf
6Ygi WXYf`VYghYbg`[Ygcf[h`]gh"'5i WX`_fYUh]j Y`5b[YVchY`k]Y`Y]b
HUhhcc!GhUbX`j cb`FUVV]h`<c`Y`HUhhcc`Ui g`: f]YXVYf[`VYfY]WXYfhYb
XUg`: Ygh"'8]Y`Cf[Ub]gUhcfYb`g]bX`ghc`n`XUfUi Zž``c_U`Y
I bhYfbY\a YfY]bVYnc[Yb`ni `\UVYb`i bX`Xi fWX`XUg`: Ygh]j U`
; YgWXÀZhY`ni 'ZÒfXYfb"

B5;

8 YhU1`a

6 Y gi W Y b 'G] Y 'i b g 'U i Z 'b ! U ["X Y