

FcVYfh'?]mcgU_]'gU[hž'Yf'a U['6]hWc]b' bYbbh'6H7' DYcd`Y g'A cbYm'': YUhi fYX

8 Yf VYfØ\a hY 5i hcf XYg 6 YghgY ``Yfg F]W 8 UX Dccf 8 UXž FcVYfh?]mcgU_]žgU[hž Yf a U['6]hWc]b i bX bYbbh X]Y
? fmd hck À\fi b[XUg; Y X XYf A YbgW Yb "'9f [UV ni ž XUgg Yf b]W h'j]Y ``ØVYf 6]hWc]b k Y]» ž gU[hY 'UVYf. W V]b bi f
Zfc\ž XUgg]W Yg i a 'gYW g [Y_Ui Zh \UVY" FcVYfh?]mcgU_]
gU[hž 6]hWc]b 'gY] XUg; Y `X XYf @Yi hY 8 Yf 5i hcf j cb F]W
8 UX Dccf 8 UXž FcVYfh?]mcgU_]ž gdfUW]b 'gY]b Ya 'Ua
A]hhk cW j Yf OZZYbh `]W hYb DcXWUgh XYf F]W 8 UX FUX]c
G\ck 'ØVYf 6]hWc]b ž k À\fYb X Yf ØVYf K Ufi a '6Uf[Y `X & \$&'
A Ø``']gh 'X]g_i h]YfhY "F]W 8 UX Dccf 8 UX]gh Y]b '6i W Ui g
XYa '\$U\f'%- - +ž XUg j cb / Ua d \Y ``]d/





8Yf'VYfØ\a hY'5i hcf'XYg'6YghgY``Yfg'F]WX'8UX'Dccf'8UXž FcVYfh'?]mcgU_]ž'gU[hž'Yf'a U['6]hWc]b'i bX'bYbbh'X]Y ?fmdhck À\fi b[' XUg'; Y`X'XYf'A YbgWXYb "'9f'[UV'ni ž XUgg'Yf'b]WXh'j]Y``ØVYf'6]hWc]b'k Y]» ž'gU[hY'UVYf.' =\WX'V]b bi f'Zfc\ž'XUgg']WX'Yg'i a 'gYWXg'[Y_Ui Zh'\UVY'"

FcVYfh'?]mcgU_]'gU[hž'6]hWc]b'gY]' XUg'; Y`X XYf'@Yi hY

K À\fYbX'XYg'DcXWUghg'bUbbhY'?]mcgU_]'; c`Xž'G]`VYf'i bX'6]hWc]b XUg'\Y]» YghY'H\Ya U'Ui Z'XYa '\Yi h][Yb'A Uf_h 'i bX'ghY``hY'ZYghž XUgg'=a a cV]`]Yb'_Y]b'\Y]» Yg'H\Ya U'a Y\f'g]bX"'I bhYf'6Yhcbi b[ž

→W. a U['6]hWc]b"'→W. 'bYbbY'Yg'XUg'; Y`X'XYf'@Yi hY"'→Yhnh k Y]» ']WX 'b]WX h'j]Y`'ØVYf'6]hWc]bž'UVYf']WX 'V]b'Y]bZUWX'Zfc\žXUgg']WX'Yg'i a 'gYWXg'[Y_Ui Zh'\UVY"'8Ug']gh'U``Ygž'k Ug']WXYhnh'k Y]» "

?] $mcgU_]$ 'gU[hY 'ni j cfž'Yf'\UVY'6]hWc]b'ZØf'-"\$\$\$'``[Y_Ui Zh'' \\ \UVY'6]hWc]b'ZØf'-"\$\$\$'8c``Uf'[Y_Ui Zh'i bX'XUW\hYž']W\'k ØfXY [YgW\fÒdZhž'UVYf'XYf'; fi bXž'k Ufi a ']W\'Yg'ZØf'-"\$\$\$'8c``Uf [Y_Ui Zh'\UVYž'k Ufž'XUgg'7cj]X'X]Y'K Y`hk]fhgW\UZh'`U\a [Y`Y[h\Uh ž'gU[hY'Yf'?]hWc'BYk g']a '5df]`'&\$&\" \\ \\ \XYb_Yž'Yg'k]fX']b \\ ZØbZ'k Y]hYfYb''\\ \Z\ A]``]cbYb'8c``Uf'gY]b'\\J\fY \\ \Z'dfc[bcgh]n]YfhY'Yf XUa U`g''

8 Yf'5i hcf'j cb'F]WX'8 UX'Dccf'8 UX'\Uh'_Øfn`]WX'[YgU[hž'XUgg'Yf'Yg]gh'a Y\f'_Ui ZYb'6]hWc]b"'@YhnhYg'\J\fž'Yf_`ÀfhY'Yf'K Ufi a '9f]bj Ygh]Yfh']b'6]hWc]b'i bX'ghY``h'ZYghž'XUgg'Yf'Y]b'\Dj Yghcf'i bX'_Y]b < ÀbX`Yf']ghž'U`gc'VY_ca a h'Yf'Ui Z[YfY[h'k Ybb'XYf'6]hWc]b!DfY]g Y]b'bYi Yg'H]YZ'YffY]WXh"

?]mcgU_]'Ya dZ]Y\`h'gY]h'[YfUi a Yf'NY]h'6]hWc]b'bYVYb'; c`X'i bX G]`VYf"'@YhnhY'K cWXY'X]g_i h]YfhY'Yfž'k Ufi a 'X]Y'XfY]'=bj Ygh]h]cbYb' ghY][Yb'\O\Yf"

9f'Yfk UfhYh'X]Yg'j cb'6]hWc]b! \(\phi\) YghcfYb'fY]W\ Yf'k YfXYb'k Ybb X]Y': YXYfU''F YgYfj Y'gW\ k Yb_h'i bX'6]'']cbYb'j cb'8c''Uf'Xfi \(\W_h\''\) \(\alpha\) GYdhYa VYf''YhnhYb'\(\delta\)\\fYg'\(\overline{Z}\)cfXYfhY'Yf'\(\delta\) yghcfYb'\(\overline{X}\)Uni 'Ui Z' \(\overline{G}\)Y'\(\gamma\)hnh']b'? fmd hc'Y]b'\(\overline{Y}\)b'\(\overline{Y}\)' of'\(\overline{Y}\)f''\(\overline{Y}\)' hnh']b'? fmd hc'Y]b'\(\overline{Y}\)' of'\(\overline{Y}\)' of'\(\overline{Y}\)'

I bhYfXYggYb gU[hY XYf fYbca a]YfhY 5i hcf. K]f VYZ]b XYb i bg

]b 'Y]bYf'[`cVU`Yb 'FYnYgg]cb ž'k Ufbh'Yf'j cf'ghY][YbXYb 6Ub_fchhYbž'5fVY]hg`cg][_Y]h'i bX'CVXUWX`cg][_Y]h''

.

? Yj]b < Y`a g`

5`g`Ghi XYbh`XYf`ÒghYffY]W\]gW\Yb`K]fhgW\UZhgk]ggYbgW\UZhYb`YbhXYW_hY`?Yj]b 6]hWc]b`]a `\\f`&\$\%`i bX`]gh`gY]hXYa `Y]b`9j Ub[Y`]gh"`GY]bY`\=bhYfYggYb``]Y[Yb`]b`XYf 6]hWc]b!G]W\Yf\Y]hž`CdYb!Gci fWY!GmghYa Ybž'BYhnk Yf_YZZY_hYb`i bX`XYf`GW\b]hhghY``Y nk]gW\Yb`2_cbca]Y`i bX`?fmdhc[fUd\]Y"

.

.

6] `X b U W k Y] g. `G\ i hh Y f g h c $W_{\tilde{z}}$ D] I U V U m \tilde{z} 'K]_] 7 c a a c b g

 $6Y^{T}YVhYfY^{T}BUWXf]WXhYb$

: U``g'8i 'Yg'j YfdUggh'\Ugh

.

fZ bWh]cbfXžgž']XŁ'o'j Uf''qź'Z'g'1 'X"[Yh9`Ya Ybhg6mHU[BUa YfgŁQ\$Q']Z'fX"[Yh9`Ya Ybh6m=Xf]]XŁŁ'fYhi fb/'q'1 'X"WfYUhY9`Ya YbhfgŁ/'q']X'1

 $\label{thm:condition} $$]X/`g"gfWI ~\hdg. ##WcbbYWh"ZUWYVcc_"bYh#YbSI G#gX_"`g_ I ZVa `1 %/ j Yfg]cb1 j ' "&"/'Z'g"dUfYbhBcXY"]bgYfh6YZcfYfl'gž'Z'gŁ/'qfKcW' a Ybhž fgWf]dhfž'fZUWYVcc_! ^ggX_flŁ/$

8 Y hU] `c

6Ygi WXYb G]Y i bg Ui Z _fmdhc!bYk g"Uh