

## GhUfh XYg YfghYb ? fmd hc!9H: g ]b 5i ghfU`]Yb

 $8 \operatorname{Ug'Z} \otimes \operatorname{Z} \wedge f[[Y'FYbbYb'] a 'X]Y'9]bZ \otimes f[b[XYf'YfghYb]$ VÒfqYb[Y\UbXY`hYb'Gdch!?fmdhck À\fib[gZcbXg']a 'Ug]Uh]gW.! dUn]Z]qWXYb'FUi a ']qh'Ua '8cbbYfqhU[']b'Y]bYa 'hchYb FYbbYb'ni '9bXY'[Y[Ub[Yb"'8]Y'Gdch!6]hWc]b!'i bX'9h\Yf! 9H: g'j cb'9H: 'GYW' f]h]Yg'Ui g'GmXbYmž'X]Y']b Ni qua a YbufvY]h'a ]h'&%G\ufYg'ui g'XYf'GW\k Y]n'Ybhk ]WY`h kifXYbžkifXYb^\YihY^Acf[Yb^Ub^XYf^7VcY^5iqhfU^]U 91 WX Ub[Y'[Y\UbXY`h"'8Yf'6]hWc]b!: YYXYf!9H: 'j cb': Y``ck GmXbYmg]XYfg.7cga cg.5ggYh.A UbU[Ya Ybh.k i fXY.\Yi hY  $YVYbZU^{*}g^{*}Ub^{*}XYfgY^{*}VYb^{*}6O^{*}fgY^{*}y]b[YZØ^{*}fh''^{*}8]Y^{*}Bch]Yfi^{*}b[Yb^{*}]$ a  $Uf_]YfYb^*X]Y^*Øb[ghY^Ghi ZY^]b^*XYf^*; `cVU`]g]Yfi b[^ij cb]$ VÒfqYb[Y\UbXY`hYb DfcXi \_hYbž'X]Y ]b d\mq]qW\Y ?fmdhck À\fi b[ ']bj Ygh]YfYbž'X]Y 'V]g\Yf'bi f']b '?UbUXUž 6fUg]`]Yb i bX Y]bYf FY]\Y Yi fcdA]gWXYf @AbXYf Yf\A`h`]WX k UfYb"'8]Y'I G!5i Zg]W\hgVY\OfXYb'\UVYb'V]g\Yf / Ua d∧Y``]d/

8]Y'Gdchi6]hWc]b!'i bX'9h\Yf!9H: g'j cb'9H: 'GYW' f]h]Yg'Ui g'GmXbYmž X]Y']b'Ni gUa a YbUfVY]h'a ]h'&%G\UfYg'Ui g'XYf'GW\k Y]n'Ybhk ]W\_Y`h k i fXYbž'k i fXYb'\Yi hY'A cf[Yb'Ub'XYf'7VcY'5i ghfU`]U'9I W\Ub[Y [Y\UbXY`h"'8Yf'6]hWc]b!: YYXYf!9H: 'j cb': Y``ck 'GmXbYmg]XYfg 7cga cg'5ggYh'A UbU[Ya Ybh'k i fXY'\Yi hY'YVYbZU``g'Ub'XYfgY`VYb 6ÒfqY'Y]b[YZØ\fh" 8]Y'Bch]Yfi b[Yb'a Uf\_]YfYb'X]Y''Øb[ghY'Ghi ZY']b'XYf; `cVU`]g]Yfi b['j cb'VÒfgYb[Y\UbXY`hYb'DfcXi\_hYbž'X]Y']b d\mg]g\W\Y''?fmdhck À\fi b[']bj Ygh]YfYbž'X]Y'V]g\Yf'bi f']b ?UbUXUž'6fUg]`]Yb'i bX'Y]bYf'FY]\Y'Yi fcdÀ]g\W\Yf'@\AbXYf'Yf\À`h`]\W\k\UfYb"'8]Y'I G!5i Zg]\W\hg\Y\\ÒfXYb'\UVYb'V]g\Yf'bi f'Ui Z': i hi fYg VUg]YfYbXY'?fmdhc!9H: g'ni [Y`UggYbž'k À\fYbX'; fc»Vf]hUbb]Yb X]Yg'b]\W\h'Y]ba U``[YhUb'\Uh"

8]Y'Ui ghfU`]gWXYb'A Uf\_hY]bZØ\fi b[Yb'ghY``Yb'XYb'<Ò\Ydi b\_h Y]bYg'ZØbZ'À\f][Yb'?Ua dZYg'XUfž']b'XYa '9H: 'GYW'f]h]Yg'Yfgha U`g a]h'XYf'=XYY'Ub'X]Y'5i Zg]WXhgVY\ÒfXYb'\YfUb[YhfYhYb']ghž'&\$%+ Y]bYb'?fmdhc!9H: 'Ui Z'XYb'A Uf\_h'ni 'Vf]b[Yb"

 $8 ]Y ``Ub[Y `HfU[YnY]h'[Y \land ni '9bXYž'U`g'X]Y'X][]hU`Yb`K Å \land fi b[Yb']b \\ I b[bUXY'[YZU``Yb'g]bXž'UVYf'XYf'DfY]g'ZØf'6]hWc]b']gh'ni a 'YfghYb \\ A U``gY]h' \Rightarrow `]'X]YgYf'K cW\Y'i bhYf'' $"$$$``[YZU``Ybž'k Ug'Y]bYb \\ F @W_[Ub['i a ') $'DfcnYbh'[Y[Yb@VYf'XYb'<OW\ghghÅbXYb']a \\ B cj Ya VYf'ZYgh][h''$ 

8 Y b b c W 'g U [ h Y 'Y ] b 'c d h ] a ] g h ] g W Y f '? U b ] g \ 7 \ i [ \ ž J Y f h f ] Y V g `Y ] h Y f Y g g Y 'U i g h f U `] g W X Y f '\ b j Y g h c f Y b 'U b ? f m d h c k À \ f i b [ Y b '\ U h '] b 'X Y b '`Y h n h Y b 'A c b U h Y b 'b ] W h b U W \ [ Y `U g g Y b ž 'U i W 'k Y b b 'k ] f 'Y ] b Y 'I b X Y f d Y f Z c f a U b W ' [ Y g Y \ Y b \ U V Y b " I b X 'a ] h 'X Y a '\ Ø b [ g h Y b '5 i g j Y f \_ U i Z j c b '6] h W c ] b '\_\ \ \ D b b h Y \ X ] Y g 'U i W 'Y ] b Y '; Y `Y [ Y b \ Y ] h 'Z Ø f '5 b `Y [ Y f 'X U f g h Y ``Y b ž 'X ] Y 'b U W \ U h h f U \_ h ] j Y b '9] b g h ] Y [ g d i b \_ h Y b '] b 'X ] Y g Y 'b Y i Y '5 b `U [ Y \_ `U g g Y '[ Y g i W h \ U V Y b "

9H: G'i bX'7cga cg'\cZZYbž'g]W\'Y]bYb': ]fgh!A cj Yf!JcfhY]` 'Ui Z XYa 'A Uf\_h'ni 'g]W\Yfbž'k cVY]'J Ub9W\_'a ]h'G]hn']b'BYk 'Mcf\_j cfUi gg]W\h`]W\']b'XYb'\_ca a YbXYb'K cW\Yb'Y]b
?cb\_i ffYbndfcXi \_h'Ub'XYf'Ui ghfU`]gW\Yb'<Ui dhVÒfgY'5GL'i bX?UbUXUg'' ]E '8][ ]hU`'5ggYh'A UbU[ Ya Ybh'Ui Z'XYb'A Uf\_h'Vf]b[ Ybk]fX'XYVØh]YfYb'Y]bYb'k Y]hYfYb'9H: 'Ub'XYf'7VcY'5i ghfU`]U
9I W\Ub[ Y"

Gck c\`'9H: G'U`g'Ui W\'7cga cg'\UhhYb'j cf'nk Y]'K cW\Yb'[Yd`Ubhž]\fY': cbXg'Ui Zni `Y[Ybž'bi f'XUa]h']b'`YhnhYf'A]bi hY'Y]b'DfcV`Ya

a ]h'XYa 'Ui ZhUi W\hYž'k Ug' < Ubm'F Ug\k Ubž'7\]YZ'9I YW'h]j Y'j cb &%G\UfYgž'Y]bYb' bUW\[Y`U[YfhYb' \= bZfUghfi \_hi fUbV]YhYf 'bUbbhYž j cb'XYa 'Ub[Ybca a Yb'k]fXž'XUgg'Yf'Y]b'Df]a Y'6fc\_Yf'cXYf 7`YUfYf']gh" 8 Ug'gc``'bi b'[Y`Ògh'gY]b"

8]Y'DfcXi \_hY'j YfZc`[Yb'i bhYfgWk]YX`]WkY'5bgÀhnY"'8Yf'7cga cg Di fdcgY'6]hWc]b'5WWYgg'9H: 'ff76H7Ł']gh'Y]b': YYXYf!: cbXgž'XYf 5bhY]`Y'XYg'%ž%'A]``]UfXYb'8c``Uf'gWkkYfYb'Di fdcgY'6]hWc]b'9H: fbH77Ł'\_Ui Zhž'XYf']a': YVfi Uf'&\$&\$']b'Hcfcbhc'bch]Yfh'ki fXY"'8]Y 5``!]b!; YVØ\f'VYhfÀ[h'%ž&)'DfcnYbh"

### To the standard of the sta

9H: 'GYW' f]h]Yg'gU[hYž'X]Y': cbXg'gY]Yb'Y]b' [fc»Yf'GW\f]hh']b'XYf
JYfVfY]hi b['XYg'6Yg]hnYg'j cb'?fmdhck À\fi b[Yb ž'XYf'Yg

=bj YghcfYb'Yfa Ò[`]W\Yž'?fmdhc']b'Y]bYa 'ghfYb['fY[i`]YfhYb
I a ZY`X'a ]h'ghUUh']W\Yf'5i Zg]W\h'ni '\UbXY`b'i bX'ni 'VYg]hnYb"

6]g\Yf'kifXYb'5ighfU`]Yfž'X]Y'6]hWc]b'cXYf'9h\Yf'\_UiZYb'kc``hYbž UiZibfY[i`]YfhY'?fmdhc!6ÒfgYb'[Ynkib[Ybž'X]Y'a]h'Y]bYa gW\kÀW\YfYb'5b`Y[YfgW\ihn'Uig[YghUhhYh'g]bX ž'ZØ[hY'g]Y'\]bni"

FUg\k Ub 'gY]bYfgY]hg 'gU\ ']b 'XYf'Bch]Yfi b[ 'Ub[Yg]Wk hg 'XYf'Fc``Y 5i ghfU`]Ybg 'U`g 'Ug]Uh]gWk!dUn]Z]gWkYg '=bj Ygh]h]cbgnYbhfi a 'Y]bYb ZfØ\Yb '9]bgh]Y[gdi b\_h']b 'X]Y '[YgUa hY '5D57!FY[]cb "

FUg\k UbžXYf'&\$%-']b'NØf]W\'XUg'YfghY'?fmdhc!9HD'XYf'K Y`h'Ui Z XYb'A Uf\_h'VfUW\hYž'ZØ[hY'\]bni ž'XUgg'&%G\UfYg' a Y\fYfY 8i hnYbX'@\abXYf'Ui Z'XYf'[UbnYb'K Y`h']a '5i [Y'\UVY ž'i a 'k Y]hYfY gc`W\Yf'JY\]\_Y``Ui Z'XYb'A Uf\_h'ni 'Vf]b[Yb"' K]f'Yl dUbX]YfYb'ØVYf 9i fcdU'\]bUi g ž'gU[hY'Yf" 9hUV`]YfhY`bcfXUa Yf]\_Ub]gW\Y`?fmdhc!A UbU[Yf`g]bX`Ui W\`gY\fXUfUb`]bhYfYgg]Yfhž`Ui Z`XYa `Ui ghfU`]gW\Yb` `i bX`VfY]hYfYbUg]Uh]gW\Yb` `A Uf\_h:i » `ni `ZUggYbž`gY`Vgh`k Ybb`g]Y`nY]h`]W\i bhYf`Y[Yb`g]bX"

8]Y'[Yd`UbhYb'5b[YVchY'jcb'']E ž'XUg'VY\Ui dhYhž'a]h'&'A fX"'I G8?UbUXUg'[fÒ» hYf'JYfk U`hYf'X][]hU`Yf'JYfa Ò[Ybgk YfhY'ni 'gY]bžk YfXYb'YVYbZU``g': YYXYf!: cbXg'gY]b"

8 Y f'' ] E '7 c] b G \ U f Y g '6] h \ c] b ': Y Y X Y f '9 H: 'i b X 'X Y f'' ] E '7 c] b G \ U f Y g 9 h \ Y f': Y Y X Y f '9 H: ž' X] Y 'Y V Y b \ Z U ``g ' U b '7 V c Y '5 i g h f U `] U 'b c h] Y f h k Y f X Y b g c ``Y b ž' k Y f X Y b '5 b h Y] `Y 'U b 'n k Y] 'V Y g h Y \ Y b X Y b '9 H: g '\_U i Z Y b ž' X] Y 'U b X Y f 'H c f c b h c 'G h c \ W\_ '9 I \ W \ U b [ Y 'b c h] Y f h 'g] b X "

J Ub 9W\_'j YfZØ[h'Ui WX'ØVYf'9fZU\fi b['Ui Z'X]YgYa '; YV]Yh'i bX VYhfY]Vh'Y]bYb'6]hWc]b!: i hi fYg!9H: 'i bX'Y]bYb'df]j UhYb'Gdch! 6]hWc]b!: cbXg']b'XYb'I G5'gck]Y'a Y\f'U`g'Y]b'8i hnYbX'Gdch!?fmdhc!9I WXUb[Y!HfUXYX'BchYg']b'9i fcdU'gck]Y'Y]bY'VfY]hYDU`YhhY'UbXYfYf'5b[YVchY"

8 Yf'j cf[ YgW\`U[ YbY'Ui ghfU`]gW\Y'9H: 'k ]fX'X]fY\_h']b'6]hWc]b
]bj Ygh]YfYb'i bX'Ub'XYf'5GL'bch]Yfh'k YfXYbž'X]Y'`YhnhY'K cW\Y
X][ ]hU`Y'JYfa Ò[ Ybgk YfhY'cZZ]n]Y```]b'X]Y'@]ghY'XYf'ni `Àgg][ Yb
ni [ fi bXY'`]Y[ YbXYb'JYfa Ò[ Ybgk YfhY'ZØf'Ub'XYf'6ÒfgY'bch]YfhY
: cbXg'Ui Z[ Ybca a Yb'\Uh"

5f]Ub BY]fcbž7\]YZ9IYW h]jYjcbJUb9W\_5g]UDUW]Z]W\*nY][hYg]WXibVYY]bXfiW\_hXUfØVYfžXUgg??cb\_iffYbhYbiniYfghiUiZXYbAUf\_h'\_UaYb"

6Y]'Yhk Ugʻgcʻ?ca a cX]Z]n]YfhYaʻk]Yʻ6]hWc]bʻ\_ca a hʻYgʻUi ZʻX]Y Ei U`]hÀhʻXYgʻDfcXi \_hgʻi bXʻXYbʻDfY]gʻUb"'8Yfʻ5GLʻk Ufʻi bgYfY K U\``XYfʻ6ÒfgYʻi bXʻk]fʻg]bX'ni j Yfg]W\h`]W\ž'XUggʻX]YgʻXYfʻf]W\h][Y K Y[ʻ]gh žʻgU[hYʻYf"

8U'5i ghfU`]Yf'\Ui dhgÀW\`]W\'ØVYf'DYbg]cbgd`ÀbY']bj Ygh]YfYbž gU[hY'BY]fcbž' g]bX'g]Y'\_cbgYfj Uh]j 'Y]b[YghY``h"'G]Y'k c``Yb'Y]bY ghUf\_Y'A Uf\_Y'i bX'Y]bY'ghUf\_Y'6]`Ubnž'X]Y'[`cVU`'i bX'[`cVU`']gh'OU

Zi bXQXUgʻ]ghʻUi ZʻXYfʻ< Ui dhd`Uh]bYʻXYgʻ5GL "

EiY``Y.::]bUbWJU``H]a Yg

8 Y hU] `c

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