

8 Y f '%": 7 'B Øfb V Y f ['g] W Y f h 'g] W '] a 'Dc_U `gd] Y ` [Y [Y b GUUf V f Ø W_Y b 'X Y b 'G] Y ['] a '9 `Za Y h Y f_f] a] 'i b X 'Ø V Y f g h Y \ h b Y f j Y b U i Z f Y] V Y b X Y 'A] b i h Y b "

=a '8: 6!Dc_U`gd]Y`nk]gW\Yb`XYa '%": 7'GUUfVfØW_Yb'i bX'XYa '%": 7'BØfbVYf['_Ua 'Yg'ni 'Y]bYa 'gdUbbYbXYb'?f]a]ž'XYf'Yfgh']a '9`Za YhYfgW\]Y» Yb'YbhgW\]YXYb'k i fXY"'8 Ug'Gd]Y`'ZUbX']a 'Ua '&-" C_hcVYf']a '@ Xk][gdUf_ghUX]cb'ghUhhi bX'a UW\hY'XYi h`]W\ž'XUgg XUg'8 i Y``'U``Yg'UbXYfY'U`g'_`Uf'k Uf"'CVk c\``XYf': 7B'U`g': Uj cf]h]bg'Gd]Y`'[]b[ž'a i gghYb'g]Y'V]g'ni f'`YhnhYb'GY_i bXY'i a 'XYb 9]bni [']b'X]Y'bÀW\ghY'Fi bXY'n]hhYfb"

8 Y f '7 `i V ž 'V Y _ U b b h ' ZØf 'g Y] b Y '_ Àa d ZY f] g W Y 'A Y b h U `] h À h ž 'g h U f h Y h Y g h U f _ '] b 'X] Y 'D U f h] Y " A] W U ` G Y j W] _ ž 'X Y f 'b Y i '] b 'X] Y 5 b Z U b [g Z c f a U h] c b '[Y f Ø W _ h `k U f ž 'g c f [h Y 'V Y f Y] h g '] b 'X Y f ' % " 'A] b i h Y ZØf 'Y] b Y : Ø \ f i b [ž 'U `g 'Y f 'X Y b '6 U ` ` [Y ZØ \ `j c ` `] b g 'f Y W h Y 'c V Y f Y '9 W _ j Y f g Y b _ h Y " 8] Y g Y 'Z f Ø \ Y : Ø \ f i b [` `] Y » 'X] Y '5 b \ À b [Y f 'X Y g ' : 7 B \ c ZZ Y b ž 'X U g g 'Y g 'Y] b 'Y b h g d U b b h Y f 'B U W a] h h U ['k Y f X Y b '_ O b b h Y "

9]b 'df]W_Y`bXYg'Gd]Y``a]h'i bj cf\YfgY\VUfYb K YbXi b[Yb

 $8 \ Yf: 7 \ GUUfVf@W_Yb \ ZXYf']b \ XYb \ YhnhYb \ VY]XYb \ Gd]Y \ nY]hYb']a \\ 8: 6! Dc_U \ V]g']bg' < U \ VZ]bU \ Y'j \ cfghc \ Yb'_cbbhY \ Z'nY][hY'g]W \ YXcW \\ U \ g' \ Ufhb \ W_][Yf'; Y[bYf'' \ Hfchn'Y]b \ Yf gc \ XYb' \ YfghYb' < \ A \ ZhY'c \ bY [Ubb'X]Y'nk Y]hY' < U \ VnY]h'a]h'Y]b \ Ya \\ 8fi W_XYg' 7 \ Vg'' 5 VYf' X]Y'B \ Øfb VYf[Yf'_cbbhYb'] \ YA \ O[`]WX_Y]hYb'b]W h'bi hnYb \ Z'k Ug'g]W \ gW \ Y'Y \ Y'' \ YfUi gghY \ Yb'gc \ hY''' \ XYf', \ S''' A]bi hY'Z]Y \ XYf'5i g[`Y]W \ Z$

bUWXXYa '9bf]Wc'JU`Ybh]b]'Y]bYb'_`UfYb': Y\`Yf'VY[]b[ž'XYf'XUniZØ\fhYž'XUgg'GUUfVfØW_Ybg'?U]'6fØb_bYf'XYb'6U``']a 'BYhn i bhYfVfUWXhY"

8]YgY'K YbXi b['`Y]hYhY'Y]bY'YbhgWXY]XYbXY'D\UgY'XYg'Gd]Y`g'Y]bž k À\fYbX'XYf': 7B'b]WXh'a Y\f'Ub'gY]bY'ZfØ\YfY'8ca]bUbn Ub_bØdZYb'_cbbhY"8]Y'j YfV`Y]VYbXYb'A]bi hYb'XYf'fY[i `ÀfYb Gd]Y`nY]h'i bX'X]Y'UbgWX`]Y» YbXY'J Yf`Àb[Yfi b['k UfYb'[YdfÀ[h j cb'BYfj cg]hÀh'i bX'hU_h]gWXYb'6Ya Ø\i b[Yb'Ui Z'VY]XYb'GY]hYb" @Yhnh`]WX'V`]YV'Yg'VY]a 'I bYbhgWX]YXYbž'gcXUgg'XUg 9`Za YhYfgWX]Y» Yb'X]Y'YbhgWXY]XYbYXY'@Ògi b['Vf]b[Yb'a i gghY''

9bhgWXY]Xib[]a '9`Za YhYfgWX]Y»Yb

8]Y'9`Za YhYfgW\]Y»Yb'g]bX'VY_Ubbh'ZØf']\fY'bYfj YbUi ZfY]VYbXY
5ha cgd\ÀfYži bX'gc'k Uf'Yg'Ui W\']b'X]YgYf'DUfh]Y"'8]Y'BØfbVYf[Yf
9`Za YhYfgW\ØhnYb'nY][hYb'g]W\'XUVY]'Ài »Yfgh'hfYZZg]W\Yf"'Gd]Y`Yfb
k]Y'HUm`Ub'8i a Ubž': `cf]Ub': `]W_ž'*Jbb]'GYffUž'@i _Ug'GW\`Y]a Yf
i bX'F UZUY`'@i VUW\'[Y`Ub['Ygž'U``Y'GW\ØggY']a 'Hcf'ni 'j YfgYb_Yb"
8 Ug'[YgUa hY'HYUa 'VYk]Yg'XUa]h'Y]bY'VYa Yf_Ybgk YfhY
BYfj YbghÀf_Yž'X]Y']b'gc`W\'Ub[YgdUbbhYb'A ca YbhYb'cZh'Ui Z'X]Y
DfcVY'[YghY``h'k]fX"

7\f]gh]Ub A Uh\Yb]UžXYfHcf\ØhYfXYg: 7Bžgd]Y`hY`]b X]YgYa
YbhgWXY]XYbXYb A ca YbhY]bY`hfU[YbXY`Fc``Y"`9f`\]Y`hXYb`gc[Uf
XYb`GWXi gg`XYg`9I!BØfbVYf[Yfg`NY]hnž'k Ug`XYa `JYfY]b`XYb
YbhgWXY]XYbXYb`JcfhY]``jYfgWXUZZhY"`@YhnhYbX`]WX`_cbbhY`XYf`%"
: 7`BØfbVYf[XUg`Gd]Y``a]h`).'`]a '9`ZaYhYfgWX]Y»Yb`ZØf`g]WX
YbhgWXY]XYb`ibX`g]WXYfhY`g]WX`XUa]h`XYb`9]bni[`]b`X]Y`nkY]hY
FibXY`XYg`8: 6!Dc_U`g"

8YfKY[]bgbAWkghYFibXY

 $8 \ Yf'G]Y[\ ``\ Uh'b]W\&h'bif'ZØf'X]Y'Gd]Y`Yf'XYg''': 7'B ØfbVYf[\ 'Y]bY [fc \ Y'6YXYihib[\ Z'gcbXYfb']gh'UiW\&'Y]b'k]W\&h][Yf'GW\&f]hh'ZØf HfU]bYf'A]fcg`Uj''?`cgY'''Hfchn'XYf'GW&k]Yf][\ _Y]hYb'ibX'XYf ibYfk UfhYhYb'K YbXib[Yb']a'Gd]Y`'nY][h'XYf'9fZc`[']a 9`ZaYhYfgW&]Y \ YbZ'XUgg'X]Y'AUbbgW&UZh'X]Y': Å\][\ _Y]h'\UhZ']b$

_f]h]gW\Yb^A ca YbhYb^ni gUa a Ybni ghY\Yb"`Gca]h^]gh`XYf^7`i V`Ui Z XYa `VYghYb`K Y[Yž'g]W\'k Y]hYf\]b^]b`X]YgYf`dfYgh][YhfÀW\h][Yb bUh]cbU`Yb`Dc_U`fi bXY`ni `VY\Ui dhYb"

9g'V`Y]Vh'UVni k UfhYbž'k]Y'g]W\'XYf'%": 7'BØfbVYf[']b'XYb_ca a YbXYb'Fi bXYb'gW\`U[Yb'k]fX"'8Yf'Dc_U``\Uh'cZh'gY]bY Y][YbYb'; YgYhnY'i bX', VYffUgW\i b[Yb'Ui Z'@U[Yf"'8]Y'\Yi h][Y DUfh]Y'\Uh'Y]ba U``a Y\f'VYk]YgYbž'XUgg'BYfj YbghÀf_Y'i bX HYUa UfVY]h'YbhgW\Y]XYbX'ZØf'XYb'9fZc`['g]bX'''VY]XYg 9][YbgW\UZhYbž'X]Y'XYf'7`i V'cZZYbVUf']b'X]YgYa '\$J\f'Ui Z'XYa D`Uhn'nY][Yb'a ÒW\hY"

<]ghcf]gWXYJYf[`Y]WXY]a 8: 6!Dc_U`</pre>

8]YYa ch]cbUYb'5WkhYfVU\bZU\fhYb']a '8: 6!Dc_U`g]bX'j]YYb: i * VU``ZUbg'VY_Ubbh"'9]b'a Uf_UbhYg'6Y]gd]Y``Ui g'XYf

JYf[Ub[Yb\Y]h']gh'XUg'*J\\f'%--&ž'U`g'XYf'%": 7'BØfbVYf['[Y[Yb XYb'A GJ'8i]gVif[']a '<U`VZ]bU`Y'UbhfYhYb'a i gghY"5i Wk'XUa U`g

ØVYfnYi [hY'XYf'7`i V'b]Wkh'Xi fWk'gd]Y`Yf]gWkY'8ca]bUbnž'gcbXYfb
a i gghY'g]Wk'bUWk'Y]bYa 'gdUbbYbXYb'9`ZaYhYfgWk]Y*Yb

Xi fWkgYhnYb"'K À\fYbX'XYf'7`i V']b'X]YgYa 'Gd]Y``Ui Z'XYb

YbhgWkY]XYbXYb'FØW_\U`h'j cb'Hcfk Ufh'5bXfYUg'?Òd_Y'gYhnhYž
k Uf'Yg'X]YgYg'A U`'7\f]gh]Ub'A Uh\Yb]Už'XYf'XYb'BØfbVYf[Yfb'a]h

Y]bYfYbhgWkY]XYbXYb'DUfUXY'XYb'G]Y['g]WkYfhY"'9]b

VYa Yf_Ybgk YfhYf'I bhYfgWk]YX']gh'YxcWkž'XUgg'XUg'HYUa 'j cb
%--&"VYfY]hg'9fZU\fi b[']a 'K YhhVyk YfV'\UhhYž'k À\fYbX'X]Y

U_hi Y``Y'A UbbgWkUZh'i bhYf'XYa '8fi W_'bYi Yf'9fk Ufhi b[Yb'i bX
Gd]Y'Yfk YWkgY`ni '`Y]XYb`\UhhY'"

<]bhYf[fi bX XYg 8: 6!Dc_U`g</pre>

8 Y f · 8 : 6! Dc_U``\UhiY]bY ·`Ub[Y ·HfUX]h]cb · i bX · []`h · U`g · Y]b Y g · X Y f df Y gh][Y hf À W h][gh Y b · Hi fb] Y f Y ·]a · X Y i hg W Y b · : i » V U ``ž · X Ug · g Y]h g Y]b Y f · ; f Ø b X i b [·]a · ½ \\ f · % · ') · 'À \\ f `] W · Ui g [Y hf U [Y b · k] f X " · 8] Y J] Y ` Z U ` h · X Y f · h Y] ` b Y \ a Y b X Y b · H Y Ua g · · j c b · 5 a Uh Y i f _ ` i V g · V] g · \\] b · n i [f c » Y b · 6 i b X Y g `] [] g h Y b · · a UW h · X Y b · K Y h h V Y k Y f V · V Y g c b X Y f g Ui Z f Y [Y b X " · ± b · X Y b · ` Y h n h Y b · ½ \\ f Y b ` \\ Uh · X Y f · D c _ U ` · U i W · U` g G d f i b [V f Y h h · Z Ø f · _ `Y] b Y f Y · J Y f Y] b Y · [Y X] Y b h ž X] Y · X i f W \\

GhUh]gh]gW\Y'9]bV`]W_Y']b'XUg 9`Za YhYfgW\]Y»Yb

9 'Za YhYfgW\]Y "Yb 'g]bX'c Zh XYf 'Yb hgW\Y]XYb XY'A ca Ybh']a '8: 6!

Dc_U``i bX'V]YhYb 'Y]bYb ']bhYfYggUbhYb '9]bV']W_']b'X]Y

B Yfj YbghÀf_Y'i bX'DfÀn]g]cb'XYf'Gd]Y`Yf''GhUh]gh]_Yb'nY][Ybž'XUgg

HYUa gž'X]Y']b'XYf'fY[i 'ÀfYb'Gd]Y`NY]h'a]bXYghYbg'%) 'GW\ØggY'Ui Z

XUg'Hcf'UV[Y[YVYb'\UVYbž'VY]'9'Za YhYfgW\]Y "Yb'Y]bY'\Ò\YfY

9fZc`[gei chY'Ui Zk Y]gYb'''5b'X]YgYa 'GcbbhU['j Yfk UbXY`hYb'U``Y

ZØbZ'B ØfbVYf[Yf'GW\ØhnYb']\fY'GhfUZghÒ"Yž'k Ug'X]Y'6YXYi hi b[
XYf'dgmW\c`c[]gW\Yb'J cfVYfY]hi b['Ui Z'gc`W\Y'G]hi Uh]cbYb
j YfXYi h`]W\h''; 'Y]W\nY]h][']gh'Yg'Yfk À\bYbgk Yfhž'XUgg'X]Y

9fZc`[gei chY'ZØf'GW\ØhnYbž'X]Y'k Yb][Yf'U`g'XfY]'9'Za YhYf']b'Y]bYa

K YhhVYk YfV'[YgW\cggYb'\UhhYbž']b'XYf'J Yf[Ub[Yb\Y]h'a]h'Yhk U
+\$1 'XYi h`]W\'b]YXf][Yf']gh''8]Yg'nY][h'X]Y'K]W\h][_Y]h'XYf'F ci h]bY
i bX'XYf'GY`VghYfZU\fi b[']b'8fi W_g]hi Uh]cbYbž'k]Y'g]Y']a 'Dc_U`
\Ài Z]['j cf_ca a Yb'''

Ni gÀhn`]WX `\UVYb`YfZc`[fY]WXY`Gd]Y`Y`]a '9`Za YhYfgWX]Y» Yb`c Zh 5i gk]f_i b[Yb`Ui Z'X]Y`a YbhU`Y`GhÀf_Y`XYf`HYUa g`]b bUWX Zc`[YbXYb`Gd]Y`Ybž'k Ug`k]YXYfi a `]\fY`; YgUa h`Y]ghi b[`]b XYf`@][U`i bX`]a `k Y]hYfYb`JYf`Ui Z'XYg`8: 6!Dc_U`g`VYY]bZi ggYb _Ubb"

8 Y hU]`a