

HÒX`]WXYf'I bZU``']b'; Ybh\]b. : U\ffUXZU\fYf'gh]fVh'Ui Z'6%\$+

9]b'+&!'À\f][Yf': U\ffUXZU\fYf'Yf`]hh']b'; Ybh\]b'hÒX`]W\Y JYf`Yhni b[Yb'VY]'Y]bYa'I bZU``'Ui Z'XYf'6%\$+"'8YhU]`g'ni a JcfZU``"

9]b 'hfu[]gW\ Yf'J cfZU```YfY][bYhY'g]W\ ']a '@UbX_fY]g'#f]W\ ck Yf @UbXž'U`g'Y]b'+&! 'À\f][Yf': U\ffUXZU\fYf'VY]'Y]bYa 'I bZU``'hÒX`]W\ j Yf'Yhnh'k i fXY"'8Yf'I bZU``'YfY][bYhY'g]W\ 'Ua 'A cbhU[bUW\ a]hhU[Ui Z'XYf'6i bXYgghfU\ Y'\\$+']b'; Ybh\]b"'8Yf'A Ubb'k Uf'Ui Z'gY]bYa : U\ffUX'i bhYfk Y[gž'U`g'Yf'j Yfgi W\ hYž']b'Y]bY'BYVYbghfU\ Y UVni V]Y[Yb"

NYi [Yb'VYf]WkhYhYbž'XUgg'XYf'FUXZU\fYf'ni j cf'Y]b'< UbXnY]WkYb [Y[YVYb'\UhhYž'i a 'gY]bY'5Vg]Wkh'Ubni nY][Ybž'VYj cf'Yf'd`Òhn`]Wk Ui Z'X]Y'; Y[YbZU\fVU\b'nc["'8]Yg'ZØ\fhY'ni 'Y]bYa '\YZh][Yb Ni gUa a Ybghc» 'a]h'Y]bYa 'Ybh[Y[Yb_ca a YbXYb'5i hc"'8]Y [YbUi Yb'l a ghÀbXYž'X]Y'ni 'X]YgYa 'ZUhU`Yb'A UbÒj Yf'ZØ\fhYbž'g]bX bcWk'i b_`Uf'i bX'k YfXYb'j cb'XYf'Dc`]nY]'i bhYfgi Wkh"

. VYf'X]Y'FYU_h]cb'Ui Z'XYb'I bZU``

9fgh\Y`ZYfžX]Y`U`gVU`X`Ua `I bZU``cfh`Y]bhfUZYbž'j Yfgi W\hYbž'XYb j Yf`YhnhYb`FUXZU\fYf`k]YXYfni VY`YVYb"'5i W\`X]Y`FYhhi b[g_fàZhYki fXYb`gW\bY```U`Ufa]Yfh"'Hfchn`U``Yf`6Ya Ø\i b[Yb`_cbbhY`XYf+&!\A\f][Y`YXcW\`bi f`bcW\`U`g'j YfghcfVYb`Yf_`Afh`k YfXYb"'8]Y nk]YgdA`h][Y`G]hi Uh]cbž']b`XYf`Y]b`@YVYb`gc`UVfi dh`YbXYb`_UbbžghY``h`gck c\``NYi [Yb`U`g'Ui W\`9]bgUhn_fÀZhY`j cf`[fc\YY)Ya ch]cbU`Y`<YfUi gZcfXYfi b[Yb"

 $6Y]^{T}X]YgYa ^{T}JcfZU^{T}k]fX^{T}XYi ^{T}h^{T}]Wk z^{T}k]Y^{T}gWk bY^{T}gc^{T}Wk ^{T}hfU[]gWk Yk]Y^{T}gWk bY^{T}gVk ^{T}hfU[]gWk Yk]Y^{T}gWk bY^{T}gWk ^{T}hfU[]gWk Yk]Y^{T}gWk ^{T}gWk ^{T}hfU[]gWk Yk]Y^{T}gWk ^{T}gWk ^{T}g$

9fY][b]ggY`Y]bhfYhYb`_ÒbbYbž`gY`Vgh`k Ybb`a Ub`j Yfa Y]bh`]W\
j cfg]W\h][`\UbXY`h"`8 Ug`< UbXnY]W\Yb`XYg`F UXZU\fYfg`j YfXYi h`]W\h
XYb`J Yfgi W\ž`g]W\`]a `J Yf_Y\f`ni `cf]Ybh]YfYb"`8]YgY`HfU[ÒX]Y
k]fZh`: fU[Yb`ØVYf`X]Y`G]W\Yf\Y]h`]a `GhfU» Ybj Yf_Y\f`Ui Zž
]bgVYgcbXYfY`ZØf`F UXZU\fYfž`X]Y`\Ài Z][`]b`[YZÀ\f`]W\Y`G]hi Uh]cbg
[YfUhYb`_ÒbbYb"

$K \]WAh][Y \ 5 gd Y \ hY \ XYf \ I \ b ZU \ Yfa \]hhi b [Y b$

8]Y'Dc`]nY]'\Uh'9fa]hhi b[Yb'Ui Z[Ybca a Ybži a 'X]Y'[YbUi Yb I a ghÀbXY'XYg'I bZU``g'ni '_`ÀfYb"'9g'k]fX'i bhYfgi W\hž'cV a Ò[`]W\Yfk Y]gY'J Yf_Y\fgfY[Y`b'j Yf`Yhnhik i fXYb'i bX'k Y`W\Y: U_hcfYb'ni a 'Ni gUa a Ybghc» 'ZØ\fhYb"'Gc`W\Y'=bZcfa Uh]cbYb g]bX'b]W\h'bi f'ZØf'X]Y'VYhfcZZYbYb': Ua]`]Yb'k]W\h][ž'gcbXYfb_\ObbYb'Ui W\\Y`ZYbž'ni _ØbZh][Y'I bZ\X``Y'Xi fW\'[YY][bYhY A U» bU\a Yb'ni j Yfa Y]XYb"

8 Yf'I bZU```\Uh'b]W\h'bi f'XUg'@YVYb'XYg'FUXZU\fYfg'Ui g[Y`ÒgW\hž gcbXYfb'\Uh'Ui W\XX]Y'5i Za Yf_gUa _Y]h'Ui Z'X]Y'; YZU\fYb']a GhfU» Ybj Yf_Y\f'[Y`Yb_h''9g']gh'YbhgW\Y]XYbXž'XUgg'5i hcZU\fYf i bX'FUXZU\fYf'Y]bUbXYf'fYgdY_h]YfYb'i bX'X]Y'; YZU\fYb'Ui Z'XYb GhfU» Yb'Yfbgh'bY\a Yb''8]g_i gg]cbYb'ØVYf'a Ò[`]W\Y JYfVYggYfi b[Yb'XYf'JYf_Y\fgg]W\Yf\Y]h'k YfXYb']b'gc`W\Yb': À``Yb a Yf'Ub[Yghc» Ybž'i a 'X]Y'G]W\Yf\Y]h'U``Yf'JYf_Y\fghY]`bY\a Yf ni 'Yf\Ò\Yb"

8]YgY'G]hi Uh]cb'Yf]bbYfh'U``Y'6YhY]`][hYb'Ub'X]Y'ghÀbX][Y JYfUbhk cfhi b[ž'X]Y'g]Y']a 'GhfU» Ybj Yf_Y\f'hfU[Yb"'9]b'_i fnYf 6`]W_'Ui Z'XUg'JYf_Y\fg[YgW\Y\Yb'_Ubb'k Y]hfY]W\YbXY': c`[Yb bUW\'g]W\'n]Y\Yb"'FUXZU\fYf'g]bX'VYgcbXYfg'j Yf`Yhn`]W\ž'i bX'Yg `]Y[h']b'XYf'JYfUbhk cfhi b['U``Yf'JYf_Y\fghY]`bY\a Yfž'UW\hgUa 'ni

9]b k Y]hYfYf hfU[]gW\Yf I b ZU``i b X gY]b Y 6 Y X Y i hi b ['ZØf X]Y 'J Y f_Y \ fgg]W\Yf \ Y]h

 $8 \ Yf'hOX`]WXY`IbZU```]a ``@UbX_fY]g``Xf]WXck Yf'`@UbX`]gh'b]WXh'bi f Y]bY'Y]bnY`bY'HfU[OX]Yž'gcbXYfb'k]fZh'Ui WX'Y]bYb'[fO``YfYb GWXUhhYb'Ui Z'X]Y'U_hi Y``Y'JYf_Y\fgg]WXYf\Y]h''`Gc``WXY'JcfZÂ``YibhYfghfY]WXYb'X]Y'Bchk YbX][_Y]hž'XUgg`gck c\``X]Y'; YgYhn[YVYf U`g'Ui WX'X]Y'JYfUbhk cfh`]WXYb']b'XYb'; Ya Y]bXYb'ZØf`g]WXYfY 6YX]b[ib[Yb'Ui Z'XYb'GhfU``Yb'gcf[Yb'''+b'5bVYhfUWXh'XYf k UWXgYbXYb'`NU\``jcb'FUXZU\fYfbž'[YfUXY']b'``AbX`]WXYb; YV]YhYbž']gh'Y]bY'JYfghAf_ib['XYf'G]WXYf\Y]hga U```bU\aYbibUVX]b[VUf''$

±0.8 Yi hgWX`UbX`]gh'X]Y`NU\``XYf'J Yf_Y\fgi bZÀ``Y`a]h
: U\ffUXVYhY]`][i b[']b'XYb'`YhnhYb'\\fYb'[Ygh]Y[Yb"'@Ui h'Y]bYf
GhUh]gh]_'XYg'GhUh]gh]gWXYb'6i bXYgUa hYg'[UV'Yg']a '\\f'&\&&
ØVYf', \$"\$\$\$`a Y`XYdZ]WXh][Y'JYf_Y\fgi bZÀ``Yž'VY]`XYbYb
FUXZU\fYf'VYhfcZZYb'k UfYbž'k Ug'Y]bYb'5bgh]Y['j cb')ı ']a
JYf['Y]WX`ni a 'Jcf'U\f'XUfghY``h"'8]Yg'[Y\h'Y]b\Yf`a]h'Y]bYa
U``[Ya Y]bYb'HfYbXž'XUgg']a a Yf'a Y\f'A YbgWXYb'XUg': U\ffUX'U`g
JYf_Y\fga]hhY``k À\`Ybž']bgVYgcbXYfY']b'ghÀXh]gWXYb'; YV]YhYb"
9]b'[fÒ»YfYf'Bi hnYf_fY]g'ZØ\fh'YXcWX'Ui WX`ni 'Y]bYf'Yf\Ò\hYb
I bZU``[YZU\f"

8]Y'g]W\Yf\Y]hgfY`Yj UbhY'J Yf_Y\fg]bZfUghfi _hi f'gd]Y`h'Y]bY
YbhgW\Y]XYbXY'Fc``Y'VY]'XYf'J Yff]b[Yfi b['j cb'l bZ\``Yb"
6YgcbXYfg']b'`\AbX`]W\Yb'; YV]YhYb'k]Y'XYa '@UbX_fY]g'\Yf]W\ck Yf
@UbX'g]bX'FUXk Y[Y'cZh'i bni fY]W\YbX'Ui g[YVUi h'cXYf'ZY\`Yb
[Ubn\z'k Ug'XUg'F]g]_c'\Z\OfF UX\ZU\fYf'V]f[h\z']b'Bi hni b[g_cbZ]_hY
a]h'a chcf]g]YfhYb': U\fnYi [Yb'ni '[YfUhYb"'\=a 'Ni [Y'XYf
JYf_Y\fgg]W\Yf\Y]hg_Ua dU[bYb'k YfXYb'j Yfgh\Af_h'\A U\seta bU\a Yb
[YZ\OfXYfh\z'X]Y'\XUfUi Z'UVn]Y`Yb\z'X]Y'\\=bhY[fUh]cb'j cb'FUX\ZU\fYfb']b
XYb'JYf_Y\fgZi gg'ni 'j YfVYggYfb"

JYf_Y\fgg]WXYf\Y]hg_Ua dU[bYb i bX

A U» bU\a Yb

8]Y'6i bXYgfY[]Yfi b['i bX'j YfgWX]YXYbY'J Yf_Y\fgcf[Ub]gUh]cbYb\UVYb'nU\`fY]WXY'?Ua dU[bYb']bg'@YVYb'[Yfi ZYbži a 'XUg6Yk i gghgY]b'ZØf': U\ffUXi bZÀ``Y'ni 'gWXÀfZYb"' + h]h]Uh]j Yb'k]Y
Fi bhYf'j ca '; Ug 'cXYf' G]WXYf'Ui Z'nk Y]'FÀXYfb 'n]Y`Yb'XUfUi ZUVž'gck c\``5i hcZU\fYf'U`g'Ui WX'FUXZU\fYf'ZØfG]WXYf\Y]hgj cf_Y\fi b[Yb'ni 'gYbg]V]`]g]YfYb"'6Y]gd]Y`gk Y]gY'k]fXUi Z'X]Y'Bchk YbX][_Y]h'\]b[Yk]YgYbž'VY]a '5VV]Y[Yb'Ui ZFUXZU\fYf'ni 'UWXhYb'i bX'X]Y'; YgWXk]bX][_Y]h'ni 'fYXi n]YfYbž'i a I bZÀ``Y'ni 'j Yfa Y]XYb"

8 UfØVYf`\]bUi gʻZÒfXYfbʻj]Y`YʻGhÀXhYʻi bXʻ; Ya Y]bXYbʻXYbʻ5i gVUi j cbʻF UXk Y[bYhnYbʻgck]YʻX]YʻJ YfVYggYfi b[ʻXYfʻ6Y`Yi Wkhi b[ʻUb [YZÀ\f`]WkYbʻ?fYi ni b[Ybžʻi a ʻX]YʻG]WkYf\Y]hʻ]bʻXYfʻ8 i b_Y`\Y]hʻni Yf\Ò\Yb"ʻ9]bYʻ[fØbX`]WkYʻI bhYfgi Wki b[ʻXYfʻI bZU``ghY``Ybʻ]gh YVYbZU``gʻHY]``XYfʻ6Ya Ø\i b[Ybžʻi a ʻ[Yn]Y`hYʻA U» bU\a Ybʻni f J YfVYggYfi b[ʻXYfʻJ Yf_Y\fgg]WkYf\Y]hʻni ʻYbhk]W_Y`b"

GhUh]gh]_Yb ni : U\ffUXi bZÀ``Yb

1/k	5bnU\`XYf	Hc hY	JYf`YhnhY
	l bZÀ``Y		
&\$&\$	++"\$\$\$	(\$\$	' &"\$\$\$
&\$&%	+*"\$\$\$	' - \$	' %") \$\$
&\$&&	, \$"\$\$\$	(&\$	' ' "\$\$\$

8]Y cV][Y 'HUVY``Y 'j YfXYi h`]W\h'X]Y '9bhk]W_`i b['XYf'I bZU``nU\`Yb]a 'NY]hfUi a 'j cb'&\$&\$'V]g'&\$&&":5i W\k Ybb'X]Y '; YgUa hnU\``XYf I bZ\``Y '`Y]W\h'Ub[Ygh]Y[Yb']ghž'nY][h'g]W\ž'XUgg'X]Y 'NU\``XYf h\OX`]W\Yb'I bZ\``Y 'fY`Uh]j 'ghUV]``V`Y]Vhž'k Ug'Ui Z'Y]bY'J YfVYggYfi b[XYf'G]W\Yf\Y]hgj cf_Y\fi b[Yb'\]bXYi hYb'_\ObbhY"'8YbbcW\']ghYg YbhgW\Y]XYbXž'X]Y'6Ya \@\i b[Yb'\ni f'k Y]hYfYb'J YfVYggYfi b['XYf G]W\Yf\Y]h'Z\Of'F UXZU\fYf'Zcfhni gYhnYbž'i a ``Ub[Zf]gh]['X]Y G]W\Yf\Y]hg`U[Y'ni 'cdh]a]YfYb"

6Ygi WXYb G]Y i bg Ui Z b!U["XY