

BUWN: `i [\UZYb!DfchYgh'Ui Z'Gm`h. 5_h]j]ghYb'a]h'5i ZYbh\U`hgj YfVch'VY`Y[h

?`]a UU_h]j]ghYb`XYf`@YhnhYb`; YbYfUh]cb`Yf\U`hYb`bUW\ :`i [\UZYbU_h]cb`Y]b`%(!hÀ[][Yg`5i ZYbh\U`hgj YfVch`Ui Z`Gm`h k Y[Yb`GUW\VYgW\ÀX][i b["

8]Y 'U_hi Y``Y 'G]hi Uh]cb 'Ui Z'XYf '\(\phi \) 'Gm`h']gh'Xi fW\ 'Y]b 'ghf]hh][Yg J cfZU```bU\Yni 'ni a 'Gh]``ghUbX'[Y_ca a Ybž'bUW\XYa 'XfY]

5_h]j]ghYb 'XYf'?`]a U!\(\phi \) h]Uh]j Y '\(@Y \) hnhY'; YbYfUh]cb 'j cf'_i fnYa ']b Y]bYb 'DfchYgh'j Yfk]W_Y`h'k UfYb" '\(@Ui h'Y \) bYa 'GdfYW\Yf'XYf Dc`]nY]X]fY_h]cb': 'YbgVi f['k i fXY'[Y[Yb 'X]Y '5_h]j]ghYb'Y]b \((!h\(A \) [][Yg'5i ZYbh\U`hgj YfVch'j Yf\\\ Ab[h\(Z' \) [Ø`h]['V]g'ni a '\(\&' \) ''

5i [i gh" '8]YgY' A U\(\phi \) bU\\ a Y']gh'Y]bY'FYU_h]cb'Ui Z'X]Y'J Yfgi W\Y'XYf 8 Ya cbghfUbhYb\(Z' \) Ui Z'XUg'Xf\(\Ab \) [YbXY'H\Ya U'XYg'?`]a Uk UbXY`g Ui Za Yf_gUa 'ni 'a UW\Yb\(Z' \) K cVY]'X]Y'?`]a Un]Y`Y']b'8 Yi hgW\`UbX]a a Yf'k]YXYf']b'XYf'8]g_i gg]cb'ghY\Yb"

Ni 'XYb'5_h]cbÀfYbž'X]Y'g]WX'[YfbY'Ui Z'X]YgYa 'VY']YVhYb
I f`Ui Vgcfh'ZØf']\fY'5i Zhf]hhY'YbhgWXY]XYbž'[Y\ÒfYb'DYfgcbYbž'X]Y
]\fY'5b`]Y[Yb'Ui Z'_fYUh]j Yž'YXcWX'hY]`g'_cbhfcj YfgY'K Y]gY'ni f
GdfUWXY'Vf]b[Yb"'Gc'\UhhYb'Ua '%\$"'5i [i gh'nk Y]
8 Ya cbghfUbh]bbYb'XYf'@YhnhYb'; YbYfUh]cb'j Yfgi WXhž'Ui Z'XYa
:`i [\UZYb'Gm`h'Y]b'Df]j UhZi [nYi ['a]h'XYf'6chgWXUZh' C]`'_]``g 'ni
VYgWXf]ZhYb"'8 Yf'DfchYgh'YbXYhY'YXcWX'UVfi dhž'U`g'g]Y'gWXbY``
j cb':`i [\UZYba]hUfVY]hYfb'XUj cb'UV[Y\U`hYb'k i fXYb"'9]b'Xf]hhYf
5_h]j]gh'k i fXY'Ui » Yf\U'V'XYg'; Y'ÀbXYg'j cb'XYf'Dc`]nY]'[Yghcddh"

9fa]hh`i b[Yb`XYf`GhUUhgUbk U`hgW\UZh

 $\begin{tabular}{ll} K & $]Y^*X]Y^*Dc`]nY]^*k & Y]hYf`a & $]hhY]`hYž'k & $]fX^*bi & b`Ui & W.^*X]Y \\ GhUUhgUbk & U`hgW. & UZh': `YbgVi & $[\ 'U_h]j & ž'i & a & [\ Y[\ Yb^*X]Y^*XfY]^*DYfgcbYb \\ \end{tabular}$

 $fYWW.h`]WW.Y`GWW.f]hhY`Y]bni `Y]hYb"` \Rightarrow bYb'k YfXYb'a Y\fYfY`GhfUZhUhYbni f'@Ugh'[Y`Y[hž'XUfi bhYf'GUWW.VYgWW.ÀX][i b['i bX < Ui gZf]YXYbgVfi WW."8]Y`[YbUi Y`NY]hž'k Ubb'XYf': U```j Yf\UbXY`hk]fXž'ghY\h'bcWW.'b]WW.h'ZYgh"`9g`]gh'YXcWW.'UVgY\VUfž'XUgg'X]YgY9bhk]\w_`i b[Yb'X]Y`8]g_i gg]cb'i a 'X]Y': cfa 'XYg'DfchYghg'i bXXYggYb'FYWW.ha À»][_Y]h'YfbYi h'Ub\Y]nYb'k YfXYb"$

8]Y'5_h]j]ghYb'\UhhYb'ni XYa 'Y]b'@cW\']b'XYb'NUi b'XYg
: `i [\UZYbg'[YgW\b]hhYbž'i a 'Ni [Ub['ni a '; Y`\AbXY'ni 'Yf\U`\hYb'' 8]Yg'k]fZh: fU[Yb'ni f'G]W\Yf\Y]h'Ua ': `i [\UZYb'Ui Zž']bgVYgcbXYfY
]b'Y]bYf'NY]hž']b'XYf': `i [fY]gYb'i bX'X]Y'J Yfk YbXi b['j cb
Df]j UhYhg']a a Yf'k]YXYf'_f]h]gW\'VYhfUW\hYh'k YfXYbž'b]W\h'bi f
\]bg]W\h']W\']\fYf'I a k Y`hUi gk]f_i b[Ybž'gcbXYfb'Ui W\']a
<]bV`]W_'Ui Z'X]Y'U_hi Y``Yb'[YgY``gW\UZh`]W\Yb'Bcfa Yb''

Ni [Àb[`]WX _Y]h'i bX'?cbhfc``Y'Ui Z'XYf'=bgY`

₺hYfYggUbhYfk Y]gY k]fX VYhcbhž XUgg Yg _Y]bY ?cbhfc ``Yb ZØf
A YbgWX Yb []Vhž X]Y a]h ÒZZYbh]WX Yb J Yf _Y\fga]hhY `b `c XYf 'dYf
: `i [nYi ['Ui Z'X]Y '₺gY ``_ca a Yb" '8]Yg 'VY[fØbXYh 'X]Y 'Dc `]nY] 'a]h
XYf Bchk YbX][_Y]hž XUZØf 'dYfgcbY ``Y F Yggci fW b 'VYfY]hni ghY ``Ybž
k Ug ']b 'XYf 'Yhn][Yb '@U[Y 'b]WX h a UWX VUf 'gY]" '8]Yg '_ÒbbhY
VYXYi hYbž XUgg 'X]Y '8 i fWX gYhni b['XYg '5 i ZYbh\U`hgj YfVchg 'a Y\f
Ui Z'XYf 'GY`Vgh_cbhfc ``Y i bX 'XYf 'Df ÀgYbn 'XYf 'Dc `]n]ghYb 'Ui Z'XYf
₺gY``VUg]Yfh 'k Ug 'Xi fWX Ui g 'ZfU[`]WX ']ghž XU 'Yg 'gWX k]Yf]['k YfXYb
_ÒbbhYž 'gc `WXY 'A U» bU\a Yb '_cbgYei Ybh'ni 'ØVYfk UWXYb"

8 Yf'DfchYgh'gY`Vgh'k Uf'gc'_cbn]d]Yfhž'i a 'X]Y'5i Za Yf_gUa _Y]h'XYf
2 ZZYbh`]W_Y]h'Ui Z'X]Y'j YfVcf[YbYb'?cghYb'XYg'_`]a Uh]g]YfhYb
@YVYbggh]`g'ni '`Yb_Ybž'XYb'a]``]UfXYbgW\k YfY'9][YbhØa Yf'j cb
Df]j Uh'Yhg'cZh'ZØ\fYb"'A]h'XYa 'N]Y`ž'a Y\f'6Yk i gghgY]b'ZØf'X]Y
7 C &! 9a]gg]cbYb'ni 'gW\UZZYbž'X]Y'Ui g'gc`W\Yb'@YVYbggh]`Yb
fYgi `h]YfYbž'XfÀb[h'X]Y'@YhnhY'; YbYfUh]cb'Ui Z'Xf]b[YbX
bchk YbX][Y'[YgYhn`]W\Y'JYfÀbXYfi b[Yb"

8 Yf?cbhYlhXYfDfchYghVYkY[ib[

 $8]Y @Y hnhY; YbYfUh]cb]gh HY]`Y]bYf VfY]hYfYb 6Yk Y[ib[žX]Y g]W [Y[Yb X]Y ibnifY]WXYb XYb A U» bU\a Yb nif 6Y_Aa dZ b[XYg ?`]a Uk UbXY`g k Y\fh"=a a Yf k]YXYf k]fX X]Y ?`]a Udc`]h]_]b 8 Yi hgWX`UbX'_f]h]gWX `\]bhYfZfU[hž i bX X]Y 5_h]j]ghYb `\UVYb a]h]\fYb c Zh X]gfi dh]j Yb 5_h]cbYb j Yfgi WX hž XUg H\Ya U]b XYb A]hhY`di b_h XYf dc`]h]gWX Yb 8]g_i gg]cb ni 'fØW_Yb'' @Y[]h]a]hÀh i bX 9ZZY_h]j]hÀh gc`WXYf DfchYghZcfa Yb g]bX 'YXcWX i a ghf]hhYb i bX ZØ\fYb ni 'X]j Yf[]YfYbXYb A Y]bi b[Yb]bbYf\U`V XYf'; YgY``gWX UZh''$

±b·NY]hYbži]b·XYbYb·XYfi?`]a Uk UbXY`a Y\fii bX`a Y\fi]b·XYb
: c_i gʻfØW_hži[]`h·Ygʻni ʻVYUW\hYbžʻXUggʻgc`W\Y`JcfZÀ``Y`b]W\hibi f
fYW\h`]W\Y`?cbgYei YbnYbʻ\UVYbžʻgcbXYfbʻUi W\`YbhgW\Y]XYbX`ZØf
X]Y`8]g_i gg]cbYbʻØVYfʻ_ØbZh][Y`K Y[Y`g]bXžʻi a `X]Y`[fc»Yb
<YfUi gZcfXYfi b[Yb`XYff[`cVU`Ybʻ9fk Àfa i b[`Ubni [Y\Yb"8]Y
5_h]j]ghYbʻ_ÒbbhYbʻgca]hž'Y[U``cV`a Ubʻ]\fY`A Yh\cXYbʻ[i h\Y]»h
cXYfʻb]W\hž'Y]bYbʻNY]W\YbʻgYhnYbʻi bX`Y]bY`VfY]hYfY`8]g_i gg]cb
Ubghc»Yb"

9g'V`Y]Vh'UVni k UfhYbž'k]Y`g]W\`X]Y`@U[Y`fi bX`i a `X]Y`5_h]j]ghYb i bX`X]Y`[Y`hYbXYb`JYfVchY`Ybhk]W_Y`b`k]fXž'k À\fYbX`XYf`8 fi W_Ui Z`X]Y`Dc`]h]_`k ÀW\ghž'YZZY_h]j Y`A U» bU\a Yb`ni f`6Y_Àa dZi b[XYg`?`]a Uk UbXY`g`Y]bni `Y]hYb"`A]h`YXYf`5_h]cb`k]fX`XUg Yd`UbhY`OZZYbh`]W\`fYZY_h]Yfhži bX`VY]`XYf`_ca a YbXYb JYf\UbX`i b[`XYf`GhUUhgUbk U`hgW\UZh`k]fX`g]W\`nY][Ybž'cV`X]Y J cfk ØfZY`[Y[Yb`X]Y`5_h]j]ghYb`]\f`9b[U[Ya Ybh'bi f`j YfghÀf_Yb cXYf`Y\Yf`UVgW\fYW_Yb`k YfXYb"

8]Y 5_h]cbgZcfa 'XYf'@YhnhYb'; YbYfUh]cb']gh'b]W\h'bYi 'i bX
Yf]bbYfh'Ub'ZfØ\YfY'DfchYghVYk Y[i b[YbžX]Y'Xi fW\fUX]_U'Y
A U» bU\a Yb'Ui Z'A]ggghÀbXY'Ui Za Yf_gUa '[Ya UW\h'\UVYb"
6Y]gd]Y`gk Y]gY'U[]YfhY'X]Y'6Yk Y[i b['9I h]bWh]cb'FYVY``]cb ']a
\$\f\&\\$\- 'a]h'\A\b`]W\Yb'A Yh\cXYbži a '[Y[Yb'X]Y'I bh\Ah][_Y]h'XYf
FY[]Yfi b[']a '?`]a UgW\i hn'ni 'dfchYgh]YfYb"'6Y]XY'; fi ddYb

j YfZc`[Yb`XUg`N]Y`ž`XYb`?`]a Uk UbXY``ni `VY_Àa dZYbž`gYhnYb YXcW\`i bhYfgW\]YX`]W\Y`5_nYbhY`]b`]\fYb`5_h]cbYb`i bX : cfXYfi b[Yb"`K À\fYbX`9I h]bWh]cb`FYVY``]cb`cZh`Ui Z`n]j]`Y I b[Y\cfgUa _Y]h`gYhnhž`k À\`h`X]Y`@YhnhY`; YbYfUh]cb`j YfghÀf_h [Yn]Y`hY`5_h]cbYbž`i a `gdYn]Z]gW\Y`5_hYi fY`]b`XYf`; YgY``gW\UZh \YfUi gni ZcfXYfb"

Dc`]h]gWXYf'?cbhYIh'XYg'DfchYghg

8]Y'DfchYghY'XYf'@YhnhYb'; YbYfUh]cb'Z]bXYb']b'Y]bYa'[YgdUbbhYbdc']h]gWXYb'?`]a U'ghUhhž']b'XYa'X]Y'8YVUhhY'ØVYf?`]a U'ghUhhž']b'XYa'X]Y'8YVUhhY'ØVYf?`]a UgWXi hna U»bU\a Yb'nYbhfU`Y'6YXYi hi b['\Uh''\±\8Yi hgWX`UbX\Uh'X]Y'fch![fØbY'?cU`]h]cb'i bhYf'XYf': Ø\fi b['XYf'; fØbYb'X]Y9]b\U`hi b['j cb'?`]a Un]Y`Yb'ni a'<Ui dhUb`]Y[Yb'Yf_`Àfh''8YbbcWXgY\Yb'j]Y`Y'5_h]j]ghYb'X]Y': cfhgWXf]hhY'U`g'i bni fY]WXYbX'Ub''\±\gVYgcbXYfY'k]fX'_f]h]g]YfhZ'XUgg'[Yd`UbhY'; YgYhnYg]b]h]Uh]j YbcZh'\]bhYf'XYb'bchkYbX][Yb'A U»bU\a Yb'ni f'FYXi _h]cb'j cb7C&!9a]qq]cbYb'ni fØW_V'Y]VYb''

8]Y:cfXYfib[Yb:XYf:@YhnhYb; YbYfUh]cbž:X]Y:9a]gg]cbYb'j cb@iligZU\fnYi[Yb'ibX:Df]j UhYhg'ni fYXi n]YfYbž:ghY\Yb']a

NYbhfia 'XYf:8]g_i gg]cb'@VYf:gcn]U'Y; YfYW\h][_Y]h']a '?cbhYl h

XYg:?`]a Uk UbXY`g":?f]h]_Yf:Uf[ia Ybh]YfYbž:XUgg:X]Y:A U»bU\a Yb

XYf:5_h]j]ghYb'j]Y`gW\]W\h][Y:5i gk]f_i b[Yb'Ui Z:X]Y; YgY``gW\UZh

\UVYb'i bX:XYb'8]U`c['@VYf'?`]a UgW\i hn']b'Y]bY'_cbZfcbhUh]j Y

F]W\hi b['`Yb_Yb"'8]Y'8]g_i gg]cb'@VYf'J Yf\U`hYbg\AbXYfi b[Yb']a
?cbgi a j Yf\U`hYbž']bgVYgcbXYfY'VY]'XYb'k c\`\UVYbXYfYb

GW\]W\hYbž']gh'YXcW\'Xf]b[YbX'bchk YbX][ži a 'X]Y'[`cVU`Yb
?`]a Un]Y`Y'ni 'YffY]W\Yb"

FYU_h]cbYb'Ui Z'XYb'DfchYgh

8]Y'[YgY``gW\UZh`]W\Yb'FYU_h]cbYb'Ui Z'X]Y'5_h]cbYb'XYf'@YhnhYb; YbYfUh]cb'g]bX'[YhY]`h''K À\fYbX'Y]b][Y'6Øf[Yf'X]Y 9bhgW\`cggYb\Y]h'i bX'G]W\hVUf_Y]h'XYf'I a k Y`hVYk Y[i b[i bhYfghØhnYbž'_f]h]g]YfYb'UbXYfY'X]Y'A Yh\cXYb'U`gi bUb[Ya YggYb'cXYf'b]W\h'n]Y`ZØ\fYbX''I a ZfU[Yb'nY][Ybž'XUggYb'Yf\YV`]W\Yf'HY]`'XYf'6Yj O`_Yfi b['ZØf'_cbgYeiYbhY ?`]a Udc`]h]_']ghž'YXcW\'6YXYb_Yb'[Y[YbØVYf'fUX]_U`YfYb DfchYghZcfa Yb'\Uh"'Cf[Ub]gUh]cbYb'k]Y'; fYYbdYUW'VYhcbYb'X]Y Bchk YbX][_Y]h'_`UfYf'i bX'hfUbgdUfYbhYf ?ca a i b]_Uh]cbgghfUhY[]Ybž'i a 'XUg'JYfhfUi Yb'i bX'X]Y I bhYfghØhni b['XYf'6Y] O`_Yfi b['ni '[Yk]bbYb"

8]Y'Dc`]nY]'\Uh'Ub[Y_ØbX][hž'X]Y'G]W\Yf\Y]h'Ui Z'XYf'\bgY`'Gm`h'i bX XUg'9]b\U`hYb'XYf'5i ZYbh\U`hgj YfVchY'[YbUi 'ni 'ØVYfk UW\Ybž'i a j Yf[`Y]W\VUfY'JcfZ\``Y']b'Ni _i bZh'ni 'j Yf\]bXYfb"'8]Yg'_\ObbhY'X]Y k Y]hYfY'A cV]`]g]Yfi b['j YfV]bX`]W\Yf'A U» bU\a Yb'ni f': \OfXYfi b[XYg'?`]a UgW\i hnYg'VYY]bZi ggYb"

8 YhU]`q

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