

5`_c\c`g]Yfh'Ui Z'XYa : U\ffUX'[YghØfnh.
C Y`XYf'A Ubb'j cf'Dc`nY]'Yfk]gW h

9]b'U`_c\c`g]Yfh'F UXZU\fyf'ghØfnh'j b'CY`XY'j cf
Dc`nY]VYUa hYb''9fa]h'i b[Yb'i bX'6'i hdfcVY'Zc'[Yb''@YgYb
G]Y'a Y\f''

5a 'GcbbhU[ž'XYa '%, ''5i [i gh'&\$&(ž'YfY][bYhY'g]W`j b'CY`XY`Y]b
J cfZU`ž'XYf'X]Y'Dc`nY]'j b'5_h]cb'j YfgYmhY''I a '%(.() 'I \f'k i fXY
Y]b'', !Å\f][Yf'A Ubb'VYcVUW hYhž'k]Y'Yf'a]h'gY]bYa : U\ffUX'Ui Z
X]Y'GhfU» Y'Ni a 'GWØhnYb\cZ'Z \f''8 UVY]j Yf'cf'Yf'X]Y'?'cbhfc`Y
i bX'ghØfnhY''8 Ug'6YgcbXYfY'Ub'X]YgYf'G]h' Uh]cb.'8 Yf'Gh'fn
[YgW U\X]fY_h]j cf'XYb'5i [Yb'nk Y]Yf'Dc`n]gh]bbYbž'X]Y'[YfUXY
ni ZÄ`]['j b'XYf'BÄ\Y'k UfYb''

8 Yf'A Ubb'V`]YV'VY]'XYa 'J cfZU`'[`ØW`_]W`Yfk Y]gY'i bj Yf'Ymh"
Hfchn'gY]bYg'd\mg]gW Yb'K c\Yf[Y\Ybg'gh]Y» Yb'X]Y'Dc`n]gh]bbYb
gW bY`'Ui Z'Y]b'Yfbgmi bY\ a YbXYg'DfcV'Ya . '6Y]']\fYf'bÄ\YfYb
I bhYfgi W i b['ghY`hY'g]W`YfUi gž'XUgg'XYf'' , !Å\f][Y'i bhYf'XYa
9]bZi gg'j cb'5`_c\c`ghUbX''I a 'XUg'5i ga U» 'gY]bYf
: U\fi bhØW h][_Y]h'ZYghni ghY`Ybž'YbhgW]YXYb'X]Y'6YUa hYbž'Y]bY
6'i hdfcVY'VY]']\ a 'YbhbY\ a Yb'ni 'UggYb''9]b'bc'hk YbX][Yf'GW f]hž
I a 'X]Y'G]W`Yf\Y]h'a 'J Yf_Y\f'ni '[Yk Ä\Y]ghYb'i bX'i a
[Y[YVYbYbZU`g'fYW h]W`Y'?'cbgYei YbnYb'Y]bni `Y]hYb''

8 YhU]`g'ni a 'J cfZU`'

8 Yf'J cfZU`'j b'CY`XY'j YfXYi h]W`hž'k]Y'k]W`h]['XYf'f]W`h][Y
I a [Ub['a]h'5`_c\c`i bX'X]Y'J YfUb'hk cfhi b['ja 'GhfU» Ybj Yf_Y\Yf
g]bX''6YgcbXYfg'XYf'9]bgUhn'j cb': U\ffÄXYfbž'XYf'cZi'U`g'g]W`Yf
i bX'i b[YZÄ\Y]W`k U\Yf[Ybca a Yb'k]fXž'_Ubb'i bhYf
5`_c\c`Y]bZi gg'Y]bY'Yfbg h\UZhY'; YZÄ\YXi b['XUfghY`Yb''8]Y

Dc`n]gh]bbYb`Y]hYhYb`gcZcfh`Y]b`9fa`]h`i`b[`gj`YfZU\`fYb`[`Y[`Yb`XYb`
FUXZU\`fYf`Y]b`ž`i`a`X]Y` ;`YgW\`Y\`b]ggY`XYg`B`UW`a`]h`U[`g[`Yb`U`i`Yf`
ni`_`À`fYb`i`b`X`i`a`i`]\`a`d`chYbn]Y`Y`GhfUZ`Yb`i`b`X`5`i`ZU[`Yb`ni`
j`Yf`_`0`b`XYb`" `đ`8`Y`i`hgW\`U`b`X`[`]Vh`Yg`ghfYb[`Y`F`Y[`Y`i`b[`Yb`ni`
U`_`c`\`c`]g]YfhYb` :`U\`fhYb`ž`[`Y]W\`[`Ø`h][`c`V`U`i`Z`Y]b`Ya`i`5`i`hc`c`XYf`
Y]b`Ya`i` :`U\`ffUX`"

8]Y`[`YgY`g`W\`U`Z`h]W\`Y`K`U\`fb`Y`\`a`i`b[`j`c`b`5`_`c`\`c`Ua`i`GhY`i`Yf`\`Uh`
g]W\`i`b`XYb`Y`h`h`Yb`đ`U\`fYb`ghUf`_`j`Yf`Ab`XYf`h`" `a`a`Yf`a`Y`\`f`
A`Y`bg`W\`Yb`k`Y`f`X`Yb`g]W\`X`Yf` ;`Y`ZU\`fYb`V`Y`k`i`g`gh`ž`X]Y`U`_`c`\`c`]g]YfhYg`
 :`U\`fYb`i`a`]h`g]W\`V`f]b[`Yb`_`U`b`b`"8`Y`b`b`c`W\`Y`f`Y][`b`Yb`g]W\`b`U`W\`k`]Y`
j`c`f`j`]Y`Y`i`b`Ž`Y`ž`X]Y`X`i`f`W\`H`f`i`b`_`Y`b`\`Y]h`j`Y`f`i`fg`U`W\`h`k`Y`f`X`Yb`"8`Y`f`
J`c`f`ZU`b`C`Y`X`Y`]gh`Y]b`k`Y]h`Y`f`Y`g`6`Y]g`d]Y`X`U`Z`Ø`f`ž`X`U`g`g`U`i`W\`U`i`Z`
Y]b`Ya`i`g`W\`Y]b`V`U`f`\`U`f`a`c`g`Yb` :`U\`ffUX`Y]b`Y`f`\`Y`V`]W\`Y`g`F`]g]_`c`
`U`i`Y`f`b`_`U`b`b`ž`k`Y`b`b`X`Y`f` :`U\`f`Y`f`b]W\`h`i`b`X`Y`f`@U[`Y`i]gh`ž`X`U`g` :`U\`f`n`Y`i`[`
g]W\`Y`f`ni`V`Y`X]Y`b`Y`b`"

?`c`b`g`Y`e`i`Y`b`n`Y`b`Z`Ø`f`X`Y`b`V`Y`h`f`c`Z`Z`Y`b`Y`b` F`U`X`Z`U`\`f`Y`f`

8]Y`f`Y`W\`h]W\`Y`b`?`c`b`g`Y`e`i`Y`b`n`Y`b`ž`X]Y`U`i`g`X`Y`f`9`b`h`b`U`\`a`Y`Y]b`Y`f`
6`i`h`d`f`c`V`Y`f`Y`g`i`h]Y`f`Y`b`ž`_`Ø`b`Y`b`Z`Ø`f`X`Y`b`" ,`!`À`\`f][`Y`b`Y`f`\`Y`V`]W\`g`Y]b`"
G`c`h`Y`g]W\`Y`f`U`i`g`gh`Y`Y`b`ž`X`U`g`g`Y`f`k`Y]h`Ø`V`Y`f`X`Y`f`Y`f`U`i`V`h`Y`b`
6`i`h`U`_`c`\`c`[`f`Y`b`n`Y`[`Y`Z`U`\`f`Y`b`]gh`ž`_`Ø`b`h`Y`X]Y`g`g`c`k`c`\`Z]b`U`b`n]Y`Y`
G`h`f`U`Z`Y`b`U`g`U`i`W\`X`Y`b`J`Y`f`i`gh`g`Y]b`Y`f` :`U\`f`Y`f`U`i`V`b]g`ni`f` :`c`[`Y`
\`U`V`Y`b`" `đ`X`Y`f`F`Y[`Y`\`U`h`Y]b`Y`g`c`W\`Y`6`i`h`i`b`h`Y`f`g`i`W\`i`b[`b]W\`h`i`b`i`f`
5`i`g`k`]f`_`i`b[`Y`b`U`i`Z`X`Y`b`U`_`h`i`Y`Y`b`J`c`f`ZU`ž`g`c`b`X`Y`f`b`_`U`b`b`g]W\`U`i`W\`
U`i`Z`ni`_`Ø`b`ž]h[`Y`f`Y`W\`h]W\`Y`5`b[`Y`Y[`Y`b`\`Y]h`Y`b`U`i`g`k`]f`_`Y`b`"5`i`»`Y`f`X`Y`a`
]gh`Y`g`Z`Ø`f`X`Y`b`A`U`b`b`k`]W\`h][`ž`Ø`V`Y`f`X]Y`a`Ø[`]W\`Y`b`
g`c`n]U`d`g`m`W\`c`c`[`]g`W\`Y`b`5`i`g`k`]f`_`i`b[`Y`b`g`Y]b`Y`g`J`Y`f`\`U`h`Y`b`g`
b`U`W\`ni`X`Y`b`_`Y`b`"

8`Y`f`J`c`f`ZU`_`Ø`b`h`Y`U`i`W\`Z`Ø`f`U`b`X`Y`f`Y`J`Y`f`_`Y`\`f`ghY]b`Y`\`a`Y`f`Y]b`Y`
k`U`f`b`Y`b`X`Y`6`c`h`g`W\`U`Z`h`g`Y]b`ž`X]Y`ni`f`G`Y`b`g]V`]g]Y`f`i`b[`V`Y]h`f`À[`h`
`a`a`Y`f`a`Y`\`f`đ]h]U`h]j`Y`b`U`f`V`Y]h`Y`b`X`U`f`U`b`ž`X`U`g`6`Y`k`i`g`gh`g`Y]b`Z`Ø`f`
j`Y`f`U`b`h`k`c`f`h`i`b[`g`j`c`Y`g` :`U\`f`Y`b`ni`g`W\`À`f`Z`Y`b`i`b`X`X]Y`F`]g]_`Y`b`
U`_`c`\`c`]g]YfhYb` :`U\`f`Y`b`g`U`i`Z`i`b`h`Y`f`g`W\`]Y`X`]W\`gh`Y`b`J`Y`f`_`Y`\`f`g`a`]h`h`Y`b`
ni`V`Y`Y`i`W\`h`Y`b`"

⊕·5bVYhfUW h·XYf·l a ghÅbXY·i bX·XYf·?ca d·Yl jhÅh·XYf·G]hi Uh]cb
]b·C·Y·XY·Yf]bbYfb·gc·W·Y·J cfZÅ·Y·XUfUbž·k]Y·k]W h][·Yg·]ghž·gY·VYf
J YfUbhk cfhi b[·ni·ØVYfbY·a Yb·i bX·ZØf·gY]bY·Y][YbY·G]W Yf·Y]h
gck]Y·X]Y·G]W Yf·Y]h·UbXYfYf·ni·gc f[Yb·"·9]b·ZYi W hž·Ø·\·]W Yf
5VYbX·gc·h·Y·b]Ya U·g·XYf·5i g·ØgYf·ZØf·[YZÅ·\·f]W Yg·J Yf·U·h·Y·b·]a
GhfU» Ybj Yf_Y·\·f·gY]bžY[U·c·V·Ui Zn·k·Y]·c·XYf·j]Yf·F·Å·XYfb·"

GW·`i ggVYhfUW hi b[

8]Y·9fY][b]ggY·]b·C·Y·XY·g]bX·Y]b·k·Y]hYfYg·6Y]gd]Y·ZØf·X]Y
<YfUi gZcfXYfi b[Yb·i bX·; YZU·\·fYbž·X]Y·]a·GhfU» Ybj Yf_Y·\·f·Ui Yfbž
]bgVYgcbXYfY·]a·Ni gUa·a Yb·\·Ub[·]a·]h·5·_·c·\·c·"·K·Å·\·fYbX·X]Y
Dc·]nY·]fUgW·fYU[]YfhY·i bX·X]Y·f]W h][Y·J cf[Y·\·Ybgk·Y]gY
Y]bgW·`i [ž·gc·h·Y·b·k]f·U·Y·i bg·Ub·i bgYfY·Y][YbY·J YfUbhk cfhi b[
Yf]bbYfbž·i bUV·\·Åb[] [·j ca·]Yf_Y·\·fga·]hhY·ž·XUg·k]f·bi hnYb·"
6]Xi b[·i bX·5i Z·_·Åfi b[·_·ØbbhYb·XYf·GW·ØggY·gY]bž·i a·gc·W·Y
J cfZÅ·Y·]b·XYf·Ni _i bZh·ni·j Yf·\·]bXYfb·i bX·i a·Y]b·g]W YfYg·i bX
j YfUbhk cfhi b[gj c·Y·g·l a ZY·X·ZØf·U·Y·J Yf_Y·\·fghY]·bY·a Yf·ni
gW UZZYb·"

F Y·Yj UbhY·[YgYhn·]W Y·F U·\·a YbVYX]b[i b[Yb

⊕·8Yi hgW·`UbX·]gh·XUg·: U·\·fYb·i bhYf·5·_·c·\·c·Y]bZi gg·a·]h·_·UfYb
[YgYhn·]W Yb·F Y[Y·i b[Yb·j YfVi bXYb·"; Ya Å·z·"·%·*·XYg
GhfUZ[YgYhnVi W Yg·fGh· 6·É·a UW·h·g]W·ghfUZVUfž·k Yf·Y]b·: U·\·fnYi []
]a·Ni ghUbX·XYf·: U·\·fi bhØW·h][_Y]h·ZØ·\·fh·"·8]Y·fYW·h·]W Yb
?cbgYei YbnYb·_·ØbbYb·j cb·; Y·XghfUZYb·V]g·\·]b·ni·: U·\·fj YfVchYb
i bX·gc[Uf·: fY]·\·Y]hgghfUZYb·fY]W Yb·"

8]Y·Dfca]·Y[fYbnY·]Y[h·ZØf·F UXZU·\·fYf·VY]·%ž· Dfca]·Y·"·5V
X]YgYa·K Yfh·k]fX·Y]bY·DYfgcb·U·g·ZU·\·fi bhØW·h][·VYhfUW hYh·"·9]b
6·i hhYgh·k]fX·]b·XYf·F Y[Y·U·b[YcfXbYhž·k Ybb·XYf·J YfXUW h·Ui Z
5·_·c·\·c·_·cbgi a·VYghY·\·h·cXYf·k Ybb·XUg·J Yf·U·h·Y·b·XYg·: U·\·fYfg
XUfUi Z·\·]bXYi hYhž·XUgg·Yf·b]W h·ZU·\·fhØW·h][·]gh·"·⊕·XYa·U·_·hi Y·Y·Yb
: U·Y·XYf·Dc·]nY]·K UfYbXcfZk]fX·X]YgY·fYW·h·]W Y·A U» bU·\·a Y
VYUW hYhž·XU·X]Y·6YUa hYb·Y]bY·6·i hdfcVY·UbcfXbYhYbž·i a·XYb
5·_·c·\·c·[Y·\·U·h·XYg·A UbbYg·ZYghni ghY·Y·Yb·"

GhUh]gh]_Yb`ni a `5`_c`c``Ua `GhYi Yf

@Ui h`GhUh]gh]gWYa `6i bXYgUa h`fB`YghUh]gŁ[UV`Yg]ja `>\f`&\$&&]b
8Yi hgW`UbX`ØVYf`) &"\$\$\$\$`J Yf_Y`fgi bZ`Y`i bhYf`XYa `9]bZi gg
j cb`5`_c`c``6Y]`Yhk U`%, "\$\$\$`X]YgYf: A``Y`_Ua `Yg`ni
DYfgcbYbgW`AXYb``8]Y`DfAj`Ybh]cb`j cb`5`_c`c``Ua `GhYi Yf`V`Y]Vh
XU\Yf`Y]b`VYXYi hYbXYg`5b`Y[Yb`XYf
J Yf_Y`fgg]W`Yf`Y]hg_Ua`dU[bYb`]b`8Yi hgW`UbX``5i W`X]Y`Dc`nY]
ZØ\fh`fY[Y`a`A»][`?cbhfc``U_h]cbYb`Xi fW`ž`i a `J Yf_Y`fghY]`bY`a`Yf
Ui Z`a`Ø[`]W`Y`J YfghØ»Y`Ui Z`a`Yf_gUa `ni`a`UW`Yb`i bX`ni`f
G]W`Yf`Y]h`Ui Z`XYb`GhfU»Yb`VY]ni hfU[Yb`"

⇒a`d`]_Uh]cbYb`ZØf`X]Y`J Yf_Y`fgg]W`Yf`Y]h

J cfZ`Y`k]Y`XYf`]b`CY`XY`VY`Yi W`hYb`X]Y`Ub`U`hYbXY`DfcV`Ya`Uh]_
XYf`J Yf_Y`fgg]W`Yf`Y]h]a`Ni`gUa`a`Yb`Ub[`a`]h`5`_c`c``8]Y
9f`Ø`i b[`XYf`GYbg]V]`h`A`hi bX`XYf`²`ZYbh]W`_Y]hgUfVY]h`ni`f
5i Z`Àfi b[`ØVYf`X]Y;`YZU`fYb`XYg: U`fYbg`i bhYf`5`_c`c`Y]bZi`gg
]gh]j cb[`fØ»hYf`6YXYi hi b[``Dfc[fUa`a`Y`ni`f`Gi`W`hdfAj`Ybh]cb
gck]Y`5i Z`Àfi b[ga`U»bU`a`Yb`Ub`GW`i`Yb`i bX`]b`XYf
²`ZYbh]W`_Y]h]g]bX`Y]b][Y`XYf`A`]hY`ž`X]Y`Y]b[YgYmh`k`YfXYb`ž`i`a
XUg`6Yk`i`gghY]b`ni`gW`AfZYb`"

9]b`k`Y]hYfYf`5gdY`_h]gh`X]Y`8]g_i`gg]cb`i`a`X]Y`fYW`h]W`Yb`i`c`[Yb
bUW`XYa`i`U`fYb`i`bhYf`5`_c`c`Y]bZi`gg"J Yfi`fhY]i`b[Yb`_ØbbYb
b]W`h`bi`f`Z]bUbn]Y``Y`6Y`Ughi`b[Yb`a`]h]g]W`Vf]b[Yb`ž`gcbXYfb`Ui`W`
XYb`J Yf`i`gh`XYg: Ø`fYfgW`Y]bg`i bX`bY[Uh]j`Y`5i`gk`]f_i`b[Yb`Ui`Z
X]Y`VYfi`Z]W`Y`@Ui`ZV`U`b``Ni`XYa`i`[]Vh`Yg]a`a`Yf`k`]YXYf`8YVUhhYb
ØVYf`X]Y`K`]f_gUa`_Y]h]j`cb`DfAj`Ybh]cbga`U»bU`a`Yb`i`bX`X]Y
B`ch`k`Yb`X][`_Y]hž`X]YgY`ni`]bhYbg]j`]YfYb`ž`i`a`X]Y`NU`Yb`XYf
U`_c`c`VYX]b[hYb`J Yf_Y`fgi`bZ`Y`ni`gYb`_Yb`"

8]Y`Dc`nY]i`bX`X]Y;`Yf]W`hgVUf`_Y]h`a`ØggYb`Yb[
ni`gUa`a`YbUfVY]hYb`ž`i`a`Y]bY`_UfY`i`bX`UVgW`fYW`_YbXY`6chgW`UZh
Ub`J Yf_Y`fghY]`bY`a`Yf`ni`gYbXYb.`5`_c`c`i`bX`J Yf_Y`f`g]bX
_Y]bY`[i`hY`A`]gW`i`b[``&Zcfa`Uh]cbYb`ØVYf`X]Y;`YZU`fYb`i`bX`X]Y
fYW`h]W`Yb`?`cbgYei`YbnYb`_ØbbYb`Y`ZYb`ž`XUg`J Yf`U`hYb`]b`XYf
²`ZYbh]W`_Y]h`bUW`U`h][`ni`A`bXYfb`"

8YhU]g

6Ygi W\Yb`G]Y`i bg`Ui Z.`b!U["XY