

9gg]b [Yb 'ghUfhYh'a]h'\$. ' !B]YXYf`U[Y
[Y[Yb 'DZcfn\Y]a ']b 'X]Y 'GU]gcb

HGJ '9gg]b [Yb'j Yf`Yfh'ni a ' <Y]a gd]Y`Ui ZhU_h'[Y[Yb
DZcfn\Y]a 'a]h'\$. ' "Hcf`Ä [Yf`A Uf_cdc i `cg`YbhgWXY]XYh`XUg
Gd]Y`U`Y]b"

8]Y`5i ZhU_hVY[Y[bi b [`XYf`bYi Yb`GU]gcb`nY][hY`Y]bXf]b [`]W`X]Y
<YfUi gZcfXYfi b [Ybžj cf`XYbYb`XYf`HGJ '9gg]b [Yb'ghY`hžk Ä\YbX
XYf`%"7Z`DZcfn\Y]a 'U`g': Uj cf]h]b]g`Gd]Y`[]b ['i bX`X]Yg'a]h`Y]bYf
_`UfYb`\$. ' !B]YXYf`U[Y`Z0f`9gg]b [Yb`i bhYf`6Yk Y]g`ghY`hY`"8]Y
VYgcf[b]gYffY [YbXYb`@Y]ghi b [Yb`XYg`HGJ`k YfZYb`': fU[Yb`0VYf
X]Y`ni _0bZh] [Y`@Y]ghi b [gZÄ\][_Y]h`XYg`HYUa`g`Ui Zi bX`ghY`Yb`XUg
A UbU[Ya`Ybh`j cf`bYi Y`<YfUi gZcfXYfi b [Yb"

6]`Ubn`XYg`Gd]Y`g

⇒a ' <Y]a gd]Y`ž`XUg`Ua` %"5i [i gh&\$&(`ghUhh[YZi bXYb`U`hžk Uf
X]Y`B]YXYf`U[Y`XYg`HGJ '9gg]b [Yb` [Y[Yb`DZcfn\Y]a 'b]W`h`bi`f`Y]b
k Y]hYfYf`F`0W_gW`U[ž`gcbXYfb`c`ZYbVUfhY`Ui W`XYi`h]W`X]Y
@0W_Yb`]b`XYf`HYUa`XmbUa`_]i bX`XYf`]bX]j]Xi Y`Yb
@Y]ghi b [gZÄ\][_Y]h`6Y]Y]bYa`Ni`gW`Ui YfUi Z_ca`a`Yb`j`cb`' '\$\$
k UfYb`X]Y`9fk Ufhi b [Yb`XYg`Di`V`]i`a`g`c`W`ž`i`bX`X]Y
9bhÄi`gW`i`b [`XUf0VYf`gd0fVUf`"HfU]bYf`G]a`cb`?0dZ`Äi`»`YfhY`g]W`
bUW`XYa`Gd]Y`gY`f`_f]h]gW`0VYf`X]Y`YfghY`<`U`VnY]h`i`bX`VY`hcb`hY
X]Y`B`chk`YbX][_Y]h`Y]bYf`[fi`bX`Y[YbXYb`@Y]ghi b [gghY][Yfi`b ["

@Y]ghi b [gi`b`hY`fgW`]YXY`g]W`hV`Uf

DZcfn\Y]a`ž`U`g`H]hY`Ub`k`Ä`fhYf`[Y\`Ub`XY`hž`ghUfhY`hY`ghUf`_i`b`X
Xca`]b]YfhY`XUg`Gd]Y`"8]Y`@Y]ghi b [gi`bhY`fgW`]YXY`k`i`fXYb`j`cf
U`Ya`]b`XYb`YfghYb`(`) `A`]bi`hYb`XYi`h]W`ž`U`g`XYf`HGJ '9gg]b [Yb

_Y]bYb`Ni [Ub[`ni a `Gd]Y`ZUbX`i bX`]b`XYf`(\$`A]bi hY`XUg`YfghY
Hcf`j cb`?cbghUbh]bcg`A Uf_cdc`i `cg`\]bbY\`a Yb`a i gghY`"K Y[Yb
Y]bYf`gW\`YW\hYb`Nk Y]_Ua`dZZ\`fi b[`i bX`gW\k UW\Yb`DUgggd]Y`
_cbbhY`9gg]b[Yb`]b`X]YgYf`D\UgY`XUg`Gd]Y`[YgW\Y\Yb`]b]W\h
_c`bhfc``]YfYb`"

GhY][Yfi b[`]a `nk Y]hYb`8i fW\ [Ub[

B UW\`XYf`<U`VnY]hdUi`gY`nY][hYb`X]Y`9gg]b[Yf`nk Uf`Y]bY
j YfVYggYfhY`@]ghi`b[ž`XcW\`hfc`h`XYg`8fi W_g`i bX`Y]bYf
j]Y`j Yfgd`fYW\YbXYb`G]hi`Uh]cb`bUW\`Y]bYa``9W_VU``V`]YV`XYf
5i`g[`Y]W\`Ui`g`"a` ; Y[YbhY]`ž`DZcfn\`Y]a``Yfn]Y`hY`]b`XYf`*`*`"A]bi`hY
XUg`\$.&`i bX`bi`mhY`gW\`Y]»`]W\`X]Y`GW\k`ÅW\Yb`]b`XYf`9gg]b[Yf
8YZYbg]j`Y`Z\`XUg`Xf]hY`Hcf`Xi`fW\`A Uf_cdc`i `cgž`XYf`gca`]h]Y]bYb
8fY]YfdUW_gW\`b\`fhY`"?`DdZ[UV`ni`ž`XUgg`X]Y`Gd]Y`Yf`bUW\`Y]bYf
]bhYbg]j`Yb`Gd]Y`k`cW\Y`Ub`?`fUZh`Y]bV\`»`hYb`"

8]Y`5i`gk`]f`_i`b[Yb`Ui`Z`X]Y`7ca`a`i`b]hm`i`b`X XUg`HY`Ua

8]Y`k`]YXYf`\c`hYb`B]YXYf`U[Yb`ni`GU]gcbVY[]bb`\UVYb`]b]W\h`bi`f
5i`gk`]f`_i`b[Yb`Ui`Z`X]Y`A`UbbgW\UZh`gcbXYfb`Ui`W\`Ui`Z`X]Y`:`Ubg
i`bX`X]Y`[YgUa`hY`7ca`a`i`b]hm`]b`9gg]b[Yb`"8]Y`l`bhYfgh\`hni`b[
Xi`fW\`X]Y`:`Ub[Ya`Y]bXY`V`Y]Vh`Yb`hgW\Y]XYbX`ž`i`a`XUg`HY`Ua`]b
gW\k`]Yf][Yb`NY]hYb`ni`i`bhYfgh\`hni`Yb`"9]b`YfZc`[fY]W\Yf`J`Yf`Ui`Z`XYf
_ca`a`YbXYb`Gd]Y`Y`k`]fX`b`c`h`k`YbX][`gY]b`ž`i`a`XUg`J`Yf`h`f`Ui`Yb`]b
X]Y`:`Å\][_Y]hYb`XYg`HY`Ua`g`ni`f\W`ni`[Yk`]bbYb`"8`Ug`b`ÅW\ghY`Gd]Y`
[Y[Yb`:`Y``VUW\`k`]fX`Y]bY`_f]h]gW\Y`Df\Zi`b[`XUfghY``Yb`"

6`]W`_]b`X]Y`Ni`_i`b`Zh

8]Y`B`c`h`k`YbX][_Y]h`Y]bYg`d`c`g]h]j`Yb`K`UbXY`g`k`]fX`j`ca
HfU]bYfhYUa`gd\`fVUf`k`U\`f[Ybca`a`Yb`ž`i`bX`Yg`VYXUfZ
Yb`hgW\`c`ggYbYf`5`b`ghfYb[i`b[Yb`ž`X]YgYb`K`UbXY``\`YfVY]ni`Z\`fYb`
:`Ubg`i`bX`J`YfY]bgZ\`fi`b[`c`ZYb`Ui`Z`Y]bY`VU`X][Y`J`YfVYggYfi`b[
XYf`gd]Y`Yf]gW\Yb`@]ghi`b[Yb`ž`i`a`Y]bY`YfZc`[fY]W\Y`GU]gcb`ni
[UfUbh]YfYb`"8]Y`b`ÅW\ghYb`Gd]Y`Y`k`YfXYb`Yb`hgW\Y]XYbX`gY]b`ž`i`a`

X]Y`GhÅf_Yb`XYg`HYUa g`ni `bi hmYb`i bX`Ub`GWk ÅWYb`ni
UfVY]hYbž`X]Y`]b`XYf`V]g\Yf][Yb`GU]gcb`g]W\hVUf`k i fXYb"

8YhU]`g

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