

## B Yi Yf`Dc`]nY]bUWk i Wk g`ghÄf\_h G]Wk Yf\Y]h`]b`A ]hhY`ZfUb\_Yb

Dc`]nY]dfÄg]X]i a`A ]hhY`ZfUb\_Yb`VY[ fØ» h`%\$-`bYi Y`6YUa hYž  
XUfi bhYf`'': fUi Ybž`i bX`ghÄf\_h`XUa ]h`X]Y`fY[ ]cbU`Y  
Dc`]nY]UfVY]h"

\$' "\$- "&\$&( ' '%% ( )

Dc`]nY]dfÄg]X]i a`A ]hhY`ZfUb\_Yb

⇒ a`a ]hhY`ZfÄb\_]gWk Yb`GWk k UVUWk`U`h`X]Y`Dc`]nY]`Zf]gWk Yb`K ]bX  
VY\_ca a Yb`5a`%'`GYdhYa VYf`&\$&( `k i fXYb`%\$-`bYi Y  
6YUa h]bbYb`i bX`6YUa hY`VY[ fØ» hž`X]Y`]b`X]YgYa`Gca a Yf  
YfZc`[ fY]Wk`]\fY`5i`gV]`Xi b[ `VY]`XYf`6UmYf]gWk Yb  
6YfY]hgWk UZhgd`c`]nY]`UV[ YgWk`cggYb`U`UVYb`"Dc`]nY]dfÄg]XYbh`5Xc`Z  
6`ÖWk`bU`a`g]Wk`Ua`A`cbhU[ ž`XYa`i`&"`GYdhYa VYfž`X]Y`NY]hž`i a  
Y]b][ Y`XYf`bYi Yb`?c`Y[ ]bbYb`i bX`?c`Y[ Yb`dYfgÖb`]Wk  
k ]`\_ca a Yb`ni`Y]» Yb`8]Y: Y]Yf`ZUbX`]b`XYf`Dc`]nY]]bgdY\_h]cb  
GWk k UVUWk`]b`XYf: f]YXf]Wk!9VYfh!GhfU» Y`ghUhh"

8]Y`BYi`]b[ Y`\_ca a Yb`Ui`g`j`YfgWk]YXYbYb`8]YbghghY`Ybž  
XUfi bhYf`GWk k UVUWk ž`5`hXcfZž`< YfgVfi W\_ž`< ]`dc`hghY]b`i bX  
; i bnYb`U`i`gYb`"K`Ä`fYbX`Y]bYf`ZY]Yf`]Wk Yb`6Y[ fØ» i b[ ž`X]Y`j`cb  
Dc`]nY]cVYffÄh]b`?Uhf]b`< Ä`f`Y]b!6Ui Yf`Y]b[ Y`Y]hYh`k i fXYž`VYhcbhY  
6`ÖWk`X]Y`J]Y`gY]h][`\_Y]h`i bX`X]Y`gdUbbYbXYb`< YfUi`gZcfXYfi b[ Ybž  
X]Y`XYf`6Yfi`Z`XYf`Dc`]nY]VYUa h]b`i bX`XYg`Dc`]nY]VYUa hYb`a`]h  
g]Wk`Vf]b[ h`" G]Y`U`UVYb`Y]bYb`gY`f`UVk`YWk`g`i b[ gfY]Wk Yb`6Yfi`Z  
[ Yk`Ä`h`ž`f]YZ`Yf`XYb`5bk`YgYbXYb`ni`i bX`hY]hY`5bY`XchYb`Ui`g  
gY]bYb`Y][ YbYb`5bZÄb[ Yb`]b`XYb`; \$Yf`Ä`fYb"

B Yi Yg`DYfgcbU`a ]h`i bhYfgWk ]YX`]Wk Yb

## < ]b hY f[ fØb XY b

J cb`XYb`%\$-`bYi`Yb`A`j]h[`]YXYf`XYf`Dc`nY]hfi`ddY`g]bX`''`':`fUi`Yb`  
i`bX`+\*`A`ÅbbYf``\*`&`j`cb`]\bYb`UVYb`]\fY`5i`gV]`Xi`b[`]Ub`  
j`YfgW`jYXYbYb`GhUbXcfhYb`XYf`6UmYf]gW`Yb`6YfY]hgW`UZhgd`nY`  
]b`Gi`nVUW`!F`cgYbVYf[`ž`9]W`gh`hž`?`Øb][`gVfi`bb`i`bX`8`UW`Ui`  
UVgc`j`jYfhi`bX`g]bX`bi`b`VYfY]hž]b`XYb`U\_hj`Yb`8]Ybgh`ni`hfYhYb`  
G]Y`[`Y`hYb`hfc`hn`]\fYf`VYghUbXYbYb`DfØZ`b[`]Yb`ni`b`ÅW`gh`U`g`  
6Yfi`ZgUbZ`Åb[`]Yf``a`';`Y[`]YbgUhn`XUni`Vf]b[`]Yb`'`&`?`c`Y`[`]Yb`ž`X]Y`  
j`cb`9]bgUhnY]b`Y]hYb`cXYf`XYa`GhUa`a`dYfgcbU`XYf`  
6YfY]hgW`UZhgd`nY]`b`UW`A`j]hY`ZfUb`\_Yb`[`]Yk`YW`gY`h`g]bX`ž`VYfY]hg`  
YfghY`6Yfi`ZgYfZU`fi`b[`]Yb`a`]h`

Ni`g`Åh`n`]W`UVYb`%)`6YUa`h]bbYb`i`bX`6YUa`hY`XYb`K`Y[`]ni`  
A`j]hY`ZfUb`\_Yb`Ui`g`UbXYfYb`Dc`nY]df`Åg]X]Yb`[`]Y`Z`bXYb`ž`k`cXi`fW`  
Y]b`Vi`bhYg`HYUa`Yb`hghY`hž`XUg`Ui`Z`&(`8]Yb`ghghY`Yb`j`Yfhy]`h`k`]fX`  
8]YgY`dYfgcbY`Y`J`Yfgh`Åf`\_i`b[`]gh`HY]`Y]bYg`[`]fØ`»`YfYb`D`Ubg`ni`f`  
J`YfVYggYfi`b[`]XYf`G]W`Yf`Y]h`i`bX`ni`f`j`Yfgh`Åf`\_hYb`6Øf[`]Yfb`Å`Y`"

6`ØW``Åi`»`Yfhy`g]W`c`dh]a`]gh]gW`ØVYf`X]Y`\_ØbZh][`Y`  
Ni`g`Ua`a`YbUfVY]hi`bX`X]Y`6YXYi`hi`b[`]Y]bYg`[`]i`hYb`J`Yf`Å`hb]ggYg`  
ni`XYb`6Øf[`]Yfb``8Ug`J`Yf`hf`Ui`Yb`]b`XYf`6Yj`Ø`\_Yfi`b[`]gh`i`bgYfY`  
k`]W`h][`ghY`K`Å`fi`b[`]ž`Yf`\_`Å`fhY`Yf`i`bX`VY`hc`bhY`XYb`K`Yf`hj`cb`  
B`Å`Y`i`bX`Hf`Ubgd`UfYbn`]b`XYf`Dc`nY]UfVY]h``8]Yg`i`bhYfghfY]W`h`  
XUg`9b`[`]U[`]Ya`Yb`h`XYf`a`j]hY`Zf`Åb`\_gW`Yb`Dc`nY]ž`b]W`h`bi`f`ZØf`XYb`  
GW`i`hnž`gcbXYfb`Ui`W`ZØf`XUg`K`c`XYf`;`Ya`Y]bgW`UZh`"

»XcW`[`]Vh`Yg`Ui`W`5gdY`\_hY`XYf`DYfgcbU`UV[`]Åb[`]Y`ni`VYUW`hYb`  
»XYb`j`Yf[`]Ub[`]YbYb`gYW`g`A`cbUhYb`UVYb`(`,`6YUa`hY`]\fYb`  
k`c`j`YfX]Yb`hYb`Fi`YghUbX`Ub[`]YhfYhYb`ž`i`bX`&-`6YUa`h]bbYb`i`bX`  
6YUa`hY`k`YW`gY`b`ni`\_ØbZh][`]ni`UbXYfYb`Df`Åg]X]Yb`]bbYf`U`V`XYf`  
6UmYf]gW`Yb`Dc`nY]``8Ua`]h`nY][`h`g]W`ž`XUgg`X]Y`DYfgcbU`ghfi`\_hi`f`  
XmbUa`]gW`Yb`J`Yf`ÅbXYfi`b[`]Yb`i`bhYf`]Y[`]hž`k`Ug`gck`c`  
<`YfUi`gZc`fXYfi`b[`]Yb`U`g`Ui`W`7`Ub`W`b`a`]h`g]W`Vf]b[`]h`"

8]Y`5i`Z`\_`Åfi`b[`]gei`chY`ž`X]Y`]a`VUmYfbk`Y]hYb`J`Yf[`]Y]W`  
ØVYfXi`fW`gW`b]h]W`cW`]ghž`k`]fX`j`cb`6`ØW`U`g`6Yk`Y]g`ZØf`X]Y`  
\UfhY`5fVY]h`XYf`A`j]hUfVY]hYbXYb`XYg`Dc`nY]df`Åg]X]i`a`g`

A ]hhY`ZfUb\_Yb`Ub[ YgY\Yb"8]YgY`NU\`Yb`g]bX`b]W\h`bi`f`Y]b`A`U»  
ZØf`XYb`9fZc`[ ž`gcbXYfb`Ui`W\`Y]b`5bgdcfb`ZØf`U``Y`bYi`Yb  
Dc`n]gh]bbYb`i`bX`Dc`n]ghYbž`\fYb`8]Ybgh`a` ]h`9b[ U[ Ya`Yb`h`i`bX  
<]b[ UVY`Ui`gni`ZØ`fYb"

: Øf`F`ØW\_ZfU[ Yb`ghY`h`XUg`Df`Äg]X]U`VØfc`XYg`Dc`nY]df`Äg]X]i`a`g  
A ]hhY`ZfUb\_Yb`ni`f`J`YfZØ[ i`b[ "i`hYfYgg]YfhY`\_`ÖbbYb`g]W\`A`cb`hU[ g  
V]g`8`cb`bYfghU[ g`j`cb`+`.\$`\$`V]g`%`\*`.\$`\$`i` \f`gck` ]Y`:`fY]hU[ g`j`cb`+`.\$`\$  
V]g`%)`.\$`\$`i` \f`Ub`X]Y`DfYggYghY``Y`k`YbXYb"

C f][ ]bU`!`7`cb`hYb`h`j`cb.`Dc`nY]df`Äg]X]i`a`A` ]hhY`ZfUb\_Yb`ž`ØVYfa` ]hhY`h  
Xi`fW\`bYk`g`U`\_`hi`Y``

8YhU]`g

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