

GW\ Ui gd]Y` `]b` GhYbXU`. `HfUi f][Y`@]YVY i bX`?]hgW\ `]b` `9]bY`Gca a YfbUW\ h

9f`YVYb`G]Y`]a` `C`_hcVYf`&\$&(`]b`8YggUi `i bX`A U[XYVi f[
Z0bZ'60\bYb!<][\`][\hgžj cb/ ei ch/8Yf`Bi gg_bUW_Yf/ ei ch/
V]g/ ei ch/H]a cb'j cb'5h\Yb/ ei ch"

⊕`GhYbXU`k]fX`Ua` `&\$`"C`_hcVYf`XUg`GW\Ui gd]Y` `9]bY
Gca a YfbUW\ h `Ui Z[YZ0\fhž`]b`XYa` `g]W\`<Y`YbU`i bX`6cV`]b`Y`]bYf
6Uf`hfYZZYbž`Yk`Y]`g`a`]h`Y`]bYa` `Ya` ch]cbU`Yb`DÄW`W\Yb`"8]Y
⊕gnYb]Yfi b[`V]YhYh`Y]bY`A`]gW\i b[`Ui`g`J`Yfnk`Y]Zi b[`i`bX
i bYfk`UfhYhYf`DcYg]Yž`a`]h`Gcb[`gž`X]Y`Ub`Y]bZUW\Y
@]YVYg[YgW\]W\hYb`Yf]bbYfb`" ?f]h]_Yf` \YVYb`X]Y`E`i`U`]hÄh`XYf
FY[]Y`j`cb`x`W\Yb` ; Y\`Y`i`bX`X]Y`gW\Ui`gd]Y`Yf]gW\Y`@Y]ghi b[`j`cb
5`Yi`UbXfU`GU[`i`fbU`i`bX` :`mbb`N]bUdc`X`\Yf]`cf`"8Ug`Gh0W`_`Äi`Zh]a
H\YUhYf`XYf`5`ha`Uf`_`i`bX`XUi`Yfh`Yhk`U`%&\$`A`]bi`hYbž`]b`_`i`g]j`Y
Y]bYf`DUi`gY"

⊕`8YggUi` `ghY\Yb` [`Y]W\`a` Y\fyfY`]bhYfYggUbhY`5i`ZZ0\fi`b[`Yb`Ui`Z
XYa` `D`Ub`"5a` `%-`"C`_hcVYf`ZY]Yfh` `8Yf`Bi`gg_bUW_Yf` `j`cb
HgW\U]_cj`g_mDfYa`]YfY`i`bhYf`XYf`FY[]Y`j`cb`GhY`ZUbc` ;]UbbYhh]"
8]YgY`bYi`Y`7`\cfYc[`fUZ]Y`j`Yfgdf]W\h`Y]bY`Zf]gW\Y`DYfgdY`_h]j`Y`Ui`Z
XUg`_`Ugg]gW\Y`A`ÄfW\Yb`"5i`»`YfXYa` `k`]fX`Ua` `&\$`"C`_hcVYf
`B]VY`i`b[`Yb` `Gc`c`Z0f`?f]Ya` \]`X` `]a` `5`hYb`H\YUhYf`Ui`Z[`YZ0\fhž
k`c`X]Y` ; YgW\]W\hY`XYf`B]VY`i`b[`Yb`Ui`g`?f]Ya` \]`Xg`G]W\hYfnÄ`h
k`]fX`"8Ug`H\Ya`Ybi`a`ZY`X`XYf`FUW\Y`k`]fX`]b`X]YgYf` :`Uggi`b[
gdUbbYbX`VY`Yi`W\hYh`"8YhU]`^]YfhY`⊕Zcfa`Uh]cbYb`g]bX`]b`XYa
5fh]_Y` `Ui`Z`k`k`k`"a`Xf`"XY`ni`Z]bXYb"

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