

B Yi Y 'GU]gcb ž' bYi Y '7 \ Ub Wb. '7 \ ]UfU  
Gh]` [ Yf' ghUfhYh' ghUf\_ ]bg : i » VU` ^U\ f

/ `h/d/ [ h/8 Yf' GhUfhgW i gg' ZØf' X]Y' GU]gcb' &\$ & ( #&) `XYf  
: @K & (!6U`Yfa `ÀbbYf/ `hYa / [ h/]bbYb' ]a : i » VU` \_fY]g  
@]a Vi f[ !K Y]`Vi f[ `]gh[ YZU`Yb' `a ]h'gdUbbYbXYb  
Hcf`À [ Yf/ `h/#Ya / [ h/]bbYb' / `h/#d/ [ h/

8]Y' bYi Y : i » VU`gU]gcb' &\$ & ( #&) ` \Uh' ]a : @K & (!; YV]Yh' cZZ]n]Y`  
VY [ cbbYb' °Gck c\`X]Y' < YffYb! `U'g'Ui W`X]Y : fUi Yba UbbgW UZhYb  
g]bX' VYfY]hž'Ui ZXYa `D`Uhm' ]\f' 6YghYg'ni [ YVYb' i bX'X]Y : Ubg'ni  
VY [ Y]ghYfb" '9]b' VYgcbXYfYg' < ] [ \` ] [ \h' ]gh'X]Y' VYa Yf\_ Ybgk YfhY  
@Y]ghi b [ `j cb' 7 \ ]UfU' Gh]` [ Yfž' X]Y' g]W` Xi fW` ]\fY' YfghYb' HcfY  
VYfY]hg' ]b' X]Y' F Y] \Y' XYf' VYghYb' Hcf`À [ Yf] ]bbYb' Y]b [ YhfU [ Yb' \Uh"  
8Ua ]h'niY] [ h'g]Y' b]W`h'bi f' ]\f' ? ÖbbYbž' gcbXYfb' Ui W`ž' XUgg' g]Y  
VYghYbg'Ui ZX]Y' bYi Y' < YfUi gZcfXYfi b [ `j cfVYfY]hYh' ]gh"

⇒ Xyb' \_ca a YbXYb' K cW`Yb' XØfZYb' X]Y' Ni gW`Ui Yf] ]bbYb  
gdUbbYbXY' Gd]Y' Y' Yfk UfhYbž' ]b' XYbYb' X]Y' Gd]Y' Yf] ]bbYb' U`Yg  
[ YVYb' k YfXYbž' i a ` ]b' ]\fYb' Yk Y] ] [ Yb' @] [ Yb' ni [ `ÀbnYb" '8]Y  
HcfYž' X]Y' Yfn]Y' h'k YfXYbž' g]bX' b]W`h'bi f' NÀ\` VUfYg'Ui ZXYa  
DUd]Yfž' gcbXYfb' Ui W` 5i gXfi W\_ \` UfhYf' 5fVY]hž' HYUa [ Y]ghi bX  
i bYfa ØX` W`Ya '9]bgUhm" : XXY' Gd]Y' Yf] b' \Uh' ]\fY' Y] [ YbY  
; YgW` ]W`hY' i bX' k ]fX' a ]h' @Y]XYbgW` UZh'Ui ZXYa : Y' X' ghY\Ybž' i a  
XUg' VYghY' 9f [ YVb]g' ZØf' ]\f' HYUa `ni `Yfn]Y' Yb"

< YfUi gZcfXYfi b [ Yb' XYf' GU]gcb

A ]h'XYf' 9fØZbi b [ gd\UgY' XYf' GU]gcb' ghY\Yb' XYb' Gd]Y' Yf] ]bbYb  
Ui W` nU\` fY]W`Y' < YfUi gZcfXYfi b [ Yb' VYj cf" '8]Y' Gd]Y' \_UggYbž' X]Y  
]b' X]YgYf' F Y [ ]cb' cf [ Ub]g]Yfh'k YfXYbž' VY]b' \U'hYb' Y]bY' J ]Y' nU\` j cb  
hU'Ybh]YfhYb' A UbbgW UZhYb" '5i g'X]YgYa : fi bX' g]bX' X]Y

5bgdfØWY`cW`'gck c`Ub`g]W`gY`Vgh`U`g`Ui`W`Ub`XUg`HYUa`  
8Yf`5bfY]nž`g]W`]a`K`Yh`\_Ua`dZ`ni`VYk`Y]gYbž`]gh`[fc»ž`i`bX`X]Y  
Gd]Y`Yf]bbYb`g]bX`YbhgW`cggYbž`]b`XYb`VYj`c`fghY`YbXYb  
6Y`[Y`[bi`b`[Yb`]\fY`:`À`]\[\_Y]hYb`i`bhYf`6Yk`Y]g`ni`ghY`Yb`"

8Ub`\_Y]bYf`J`]Y`nU`X`j`cb`HfU]b]b`[gY]b`Y]hYb`i`bX`Y]bYf`ghUf`\_Yb  
HYUa`WYa`]Y`\_`ÒbbYb`g]W`X]Y`Gd]Y`Yf]bbYb`[Y`[YbgY]h`[  
i`bhYfghØhnYb`i`bX`a`ch]j`]YfYb`"8Ug`N]Y`]gh`Ygž`b]W`h`bi`f`Ui`ZXYa  
D`Uhn`YfZc`[fY]W`ni`gY]bž`gcbXYfb`g]W`Ui`W`U`g`9]b`Y]h`ni  
df`ÀgYbh]YfYbž`X]Y`ZØf`Y]bUbXYf`Y]bghY`h`"8]Y`gc`]XY`J`cfVYfY]hi`b`[  
\_`ÒbbhY`XYb`i`bhYfgW.]YX`Ui`ga`UWYbž`i`a`Ua`9bXY`XYf`GU]gcb  
i`bhYf`XYb`VYghYb`HYUa`g`ni`ghY`Yb`"

5i`W`XYf`K`YhYfVYf]W`h`gd]Y`h`Y]bY`k`]W`h`[Y`F`c`Y`ZØf`X]Y  
Gh]a`a`i`b`[i`bX`X]Y`@Y]ghi`b`[Yb`Ui`ZXYa`Gd]Y`ZY`X`"Hf`ch`XYf  
U`hi`Y`Yb`hfØVYb`i`bX`fY`[bYf]gWYb`K`YhYfVYX]b`[i`b`[Yb`]gh`Yg`ZØf  
X]Y`HYUa`g`i`bX`]\fY`:`Ubg`k`]W`h`[ž`g]W`X]Y`:`fYi`XY`Ua`Gd]Y`b]W`h  
j`YfXYfVYb`ni`"UggYb`"A`]h`9bh`i`g]Uga`i`g`i`bX`Y]bYf`dcg]h]j`Yb  
9]bghY`i`b`[Y`h`Yg`XUbb`Ui`Z`XUg`Gd]Y`ZY`X`ž`i`a`ni`nY]`[Ybž`k`Ug  
a`Ub`XfUi`Z`Uh`"

Ni`g`Àhn`]W`a`ØW`hYb`k`]f`XUfUi`Z`]\bk`Y]gYbž`XUgg`g]W`X]Y  
6Yf]W`hYfghUhi`b`[ØVYf`X]Y`Hcf`À`[Yf]bbYb`]b`X]YgYb`Gd]Y`\_`UggYb  
Ui`Z`X]Y`VYghYb`XfY]`@Y]ghi`b`[ghf`À`[Yf]bbYb`\_`c`bnYbhf]Yfhž`i`a`X]Y  
Gd]hnYb`\_f`À`ZhY`bcW`a`Y`f`]b`XYb`:`c`\_i`g`ni`ghY`Yb`"8]YgY`gdYn]Y`Y  
5i`Z]ghi`b`[gc`X]Y`YfUi`gfU`[YbXYb`@Y]ghi`b`[Yb`XYf`Gd]Y`Yf]bbYb  
UbYf`\_YbbYb`i`bX`U`g`5bgdcfb`ZØf`U`Y`UbXYfYb`Z`b`[YfYb`"

K`]f`k`ØbgWYb`7`]\UfU`Gh]]`[Yf`i`bX`U`Yb`UbXYfYb`Gd]Y`Yf]bbYb  
Y]bY`YfZc`[fY]W`Y`GU]gcb`"A`Ò`[Y`X]Y`&\$&`(#&)`Y]b`X`f`j`c`Yf  
dUW`\_YbXYf`A`UhW`Ygž`HYUa`[Y]ghi`bX`dYfg`Øb`]W`Yf`9fZc`[Y  
k`YfXYb`@UggYb`G]Y`g]W`Ui`W`U`g`Ni`gW`Ui`Yf]b`j`cb`XYf`9bYf`[Y  
i`bX`XYa`9b`[U`[Ya`Ybh`Ui`Z`XYa`D`Uhn`a`]hfY]»Yb`i`bX`i`bhYfghØhnYb  
G]Y`ÀfY`HYUa`g`]b`X]YgYf`gdUbbYbXYb`NY]h`5i`ZY]bY`[fc»Ufh`[Y  
GU]gcb`"

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