

I bVY\_UbbhYf`F UbXU`Y`]a `Gi dYfa Uf\_h.  
Dc`nY]`gi W\ h`NYi [ Yb`]b`< UXUa Uf

I bVY\_UbbhYf`fUbXU`]Yfh`]a `Gi dYfa Uf\_hž`A Ø`hcbbY`nØbXYh  
Ub`GW\i `Yž`a Y`fYfY`A chcffUXi bZÄ`Y` `5\_hi Y`Y  
Dc`nY]a Y`Xi b[ Yb`Ui g`@]a Vi f[ "

@]a Vi f[ `fbhgŁ

≠`XYf`FY[ ]cb`@]a Vi f[ !K Y]`Vi f[ [ UV`Yg`]b`XYb`Y`hYb`HU[ Yb  
a Y`fYfY`J cfZÄ`Yž`X]Y`b]W\ h`bi f`X]Y`Dc`nY]`Ui ZXYb`D`Ub`f]YZYbž  
gcbXYfb`Ui W\ `: fU[ Yb`ni f`G]W\ Yf\Y]h`i bX`ni a`GW\i h`nj`cb  
; Ya Y]bgW\ UZhY]bf]W\ hi b[ Yb`Ui Zk UfZYb"

F UbXU`]YfYf`j cf`XYa `Gi dYfa Uf\_h

5a `8cbbYfghU[ žXYa `%, " ' ; ' ] & \$ & ( ž[ Y[ Yb`%+. ) \$ `I `fž`\_Ua `Yg`ni  
Y]bYa `J cfZU``j cf`Y]bYa `Gi dYfa Uf\_h]b`XYf`A U]bnYf`@UbXghfU» Y  
]b`< UXUa Uf``9]b`I bVY\_UbbhYf`VY`Y]X][ hY`i bX`VYXfc`hY`nk Y]  
A ]hUfVY]hYf]bbYb`XYg`A Uf\_hYgž`k Ug`Ui Z`ni bY`a YbXY  
5 [ [ fYgg]j ]hÄ`h`b`U`hÄ[ `]W\ Yb`G]hi Uh]cbYb`]\]bk Y]gh`NYi [ Yb  
VYf]W\ hYhYbž`XUgg`XYf`HÄ`hYf`Y]bYb`GhY`h]gW\ `]b`F ]W\ hi b[ `XYf  
5b[ YghY`hYb`XfØW`hYž`VYj cf`Yf`j YfgW\ k i bXYb`k Uf``8]Y`Dc`nY]  
gi W\ h`bUW\ `XYa `Yhk U`) \$ !`Ä`f][ Yb`A Ubb`a ]h`gØX`ÄbX]gW\ Ya  
5i ggY`Yb`i bX`gW\ k UfnYa `< UUF``8Yf`J cfZU``j YfXYi h]W\ hž`XUgg  
ÖZZYb`h]W\ Y`C fhY`a UbW\ a U`ni `GW\ Ui d`Ä`hYb`i bVYfYW\ YbVUfYb  
J Yf\U`hYbg`k YfXYb`\_ØbbYb"

# 6fUbXgh]Zhi b [ `Ui Z'GWXi `[ Y`ÀbXY

⊕`XYf`BUW`hij cb`8]YbghU[ ž`XYa`%\*`"ž`ž`Ui Z`A`]h`k`c`W`ž`XYb`%+`  
ž`]"&\$&(`ž`k`i`f`XY`Y]b`GWXi`[ Y`ÀbXY]b`XYf`:`fY]\`Yff!j`ca`!GhY]b!  
GhfU»`Y`]b`<`UXUa`Uf`ni`a`N]Y`Y]b`Yg`6fUbXgh]Zhyfg`"A`Y`fYfY  
A`Ø`hc`bb`Yb`k`i`f`XYb`i`a`[ Y`ghc»`Yb`i`b`X`]b`6fUbX`[ Y`g`Y`h`h`ž`k`U`g`b]W`h  
bi`f`GUW`g`W`UXYb`j`Yfi`fgUW`hY`ž`gc`b`XYfb`Ui`W`X]Y`G]W`Yf`Y]h`XYf`  
GWXi`Y`[ Y`Z`À`f`XY`hY`"9]b`J`Yf`\_`Y`f`gg`W`]X`k`i`f`XY`c`ZY`b`V`U`f`Y`V`Y`b`ZU`g`  
a`]gg`V`f`Ui`W`h`i`b`X`]b`X`Ug`:`Yi`Yf`[ Y`Y`[ h`"8]Y`Dc`nY]`Yfa`]h`h`Y`h`i`b`X`  
b]a`a`h`<]b`k`Y]g`Y`Y`bh[ Y`[ Yb`"8]Y`g`Yf`J`c`f`ZU`ghY`h`Y]b`Y`Y`fb`gh`U`Z`h`Y`  
6`Y`X`f`c`i`b`[ Z`Ø`f`X]Y`G]W`Yf`Y]hij`cb`GW`Ø`Yfb`i`b`X`@`Y`f`\_`f`À`Z`h`Y`b`X`U`f`  
i`b`X`k`]f`Z`h`:`f`U`[ Yb`ni`f`?`f]a`]b`U`]h`À`h`g`d`f`À`j`Y`bh]cb`]b`XYf`i`a`[ Y`Vi`b`[  
Ui`Z`

## : U\ fi bZÀ`Y`a`]h`A`c`hc`ff`À`X`Y`fb``À`i`Z`Y`b`g]W`

5a`8`c`b`b`Y`f`ghU[ ž`XYa`%`,"ž`]"&\$&(`ž`Y`f`Y][ b`Y`h`Y`b`g]W`i`[ `Y]W`  
a`Y`f`Y`f`Y`A`c`h`c`f`f`U`X`i`b`Z`À`Y`]b`6`U`X`7`U`a`V`Y`f`[ "i`a`%`&.)`)"i`f`  
\_`c`X]Y`f`h`Y`Y]b`" `!`À`f][ Y`f`6]\_`Y`f`V`Y]a`5`V`V`f`Y`a`g`Y`b`Ui`Z`X]Y`Y`]b`h`Y`f`Y`  
G`Y]h`Y`Y]b`Y`g`g`h`Y`Y`b`X`Y`b`5`i`h`c`g`"8`Y`f`A`c`h`c`f`f`U`X`Z`U`f`Y`f`j`Y`f`Y`h`h`Y`g]W`  
Y]W`h`ž`k`À`f`Y`b`X`X`U`g`A`c`h`c`f`f`U`X`Y`f`Y`V`]W`V`Y`g`W`À`X][ h`k`i`f`XY`  
G`d`À`h`Y`f`ž`i`a`%+.`\$`i`f`ž`\_`U`a`Y`g`ni`Y]b`Y`a`k`Y]h`Y`f`Y`b`i`b`Z`U`ž`V`Y]`X`Y`a`  
Y]b`(`\*`!`À`f][ Y`f`5`i`h`c`Z`U`f`Y`f`V`Y]a`5`V`V]Y`[ Yb`]b`X]Y`:`Y`[ Yb`Z`U`f`V`U`b`  
Y]b`Y`b`)"`!`À`f][ Yb`A`c`h`c`f`f`U`X`Z`U`f`Y`f`b]W`h`g`U`"5`i`W`X]Y`g`Y`f`k`i`f`XY`  
j`Y`f`Y`h`h`i`b`X`a`i`g`g`h`Y`]b`g`?`f`U`b`\_`Y`b`U`i`g`[ Y`V`f`U`W`h`k`Y`f`X`Y`b`"

## G]W`Y`f`Y]hg`U`[ Y`]b`X`Y`f`F`Y`[ ]c`b`

8]Y`J`Y`n`U`Y`j`cb`J`c`f`Z`À`Y`b`]b`<`UX`U`a`U`f`i`b`X`6`U`X`7`U`a`V`Y`f`[ ]gh`  
V`Y`g`c`f`[ b]g`Y`f`f`Y`[ Yb`X`i`b`X`g`d`f]W`h`Z`Ø`f`Y]b`Y`b`X`f]b`[ Yb`X`Y`b`  
<`U`b`X`i`b`[ g`V`Y`X`U`f`Z`V`Y]`X`Y`f`G]W`Y`f`Y]hg`U`[ Y`]b`X`Y`f`F`Y`[ ]cb`"K`À`f`Y`b`X`  
X]Y`Dc`nY]`V`Y`a`Ø`h`i]gh`ž`X]Y`H`À`h`Y`f`ni`Z`U`gg`Y`b`ž`g]b`X`X]Y`6`Ø`f`[ Y`f`  
[ Y`Z`c`f`X`Y`f`h`ž`k`U`W`g`U`a`ni`V`Y]V`Y`b`i`b`X`j`Y`f`X`À`W`h][ Y`5`\_`h]j`]h`À`h`Y`b`ni`  
a`Y`X`Y`b`"9]b`5`b`gh]Y`[ g`c`W`Y`f`J`c`f`Z`À`Y`\_`Ø`b`b`h`Y`b]W`h`bi`f`X`U`g`  
G]W`Y`f`Y]hg`[ Y`Z`Ø`V`Y`Y]b`h`f`À`W`h][ Yb`ž`gc`b`XYfb`Ui`W`U`b`[ Z`f]gh][ Y`  
5`i`g`k`]f`\_i`b`[ Yb`Ui`Z`X`U`g`:`Y`a`Y]b`g`W`U`Z`h`g`Y`V`Y`b`U`V`Y`b`"

GWX i hn`XYf'; Ya Y]bgWX UZh'[ Y\h`U`Y`Ub

⊕`5bVYhfUWXh`X]YgYf`9bhk ]W`i b[ Yb`]gh`Yg`YbhgWX Y]XYbXž`XUgg`X]Y  
`c`U`Y`; Ya Y]bgWX UZh'ni gUa a YbUfVY]hYhž'i a `X]Y`G]WXYf\Y]h'ni  
ZÒfXYfb"⊕]h]Uh]j Yb`ni f'; Yk U`hd fÀj Ybh]cb`i bX`J YfghÀf`i b[ Yb`XYg  
gcn]U`Yb`Ni gUa a Yb\U`hg`\_ÒbbYb`\Y`ZYbž`gc`WXY`J cf`ca a b]ggY  
]b`Ni `i bZh'ni `j Yfa Y]XYb"8]Y`Dc`nY]`Yfa i h][ h`5bk c\bYfž`g]W  
U\_h]j `Ua `GWX i hn`\fYf`B UWX VUfgWX UZh'ni `VYhY]`][ Yb`i bX  
bchk YbX][ Y`⊕Zcfa Uh]cbYb`ni `hY]`Yb"

⊕`B5;

8YhU]`g

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