

# I G`C dYb. `F i V`^ck g`K i hUi gVfi Wk ` \_c ghYh ] \ b`XUg`J ]YfhY`Z]bU`Y

5bXfY^Fi V`^ck `gWk Y]hYfh`VY]`XYb`I G`C dYb`bUWk`K i hUbZU`  
]a`5Wk hY`Z]bU`Y`[ Y[ Yb` ; f][ cf`8]a ]hfck "6Y\UbX`i b[ `Ub`XYf  
< UbX`b`0h][ "

5bXfY^Fi V`^ck ž`XYf`VY`\_UbbhY`fi gg]gWk Y`HYbb]ggd]Y`Yfž` \Uh`g]Wk  
VY]`XYb`I G`C dYb`]b`Y]bYa`Ya`ch]cbU`Yb`8i Y``]a`5Wk hY`Z]bU`Y  
j`YfUVgWk]YXYh`8Yf`gYWk`ghd`Uhm]YfhY`Gd]Y`Yf`XYf`K`Y`hfUb[ `]ghY  
a`i`gghY`g]Wk`XYa`6i`[ UfYb` ; f][ cf`8]a ]hfck`[ YgWk`U[ Yb`[ YVYb  
i`bX`j`Yf`cf`a`]h` . \* ž`\* . +`fl` . +łž`\* . %ž`\* . ' `i`bX`" . \* "8]YgYf`J`Yf`i`gh  
VYXYi`hYhž`XUgg`XYf`&\*!`À\`f][ Y`gY]bYb`HfUi`a`j`ca`Z0bZhYb  
J]YfhY`Z]bU`Y]bni`[ `VY]`X]YgYa`VYXYi`hYbXYb` ; fUbX!G`Ua`!Hi`fb]Yf  
]b`BYk`Mcf`\_`b]Wk`h`j`Yfk`]f`\_]Wk`Yb`\_`cbbhY"

⇒ J`Yf`Ui`Z`XYg`A`UhWk`Yg`\_`Ua`Y`g`ni`Y]bYf`VYa`Yf`\_`Ybgk`YfhYb  
GnYbY. `0`Y]bYa`5bZU``j`cb` : fi`ghfUh]cb`0VYf`Y]bYb`Y][ YbYb  
: Y\`Ui`ZgWk`U[ `gWk`i`[ `Fi`V`^ck`ni`b`ÀWk`gh`a`]h`gY]bYa`GWk`À[ Yf  
[ Y[ Yb`gY]bYb`GWk`i` \ž`VYj`cf`Yf`a`Y\`fa`U`g`a`]h`XYf`6YgdUbbi`b[  
XYg`GWk`À[ Yfg`Ui`Z`gY]bY``]b`\_`Y`< UbX`\]YV``8]YgY`i`bj`Yf`c`ZhY`K`i`h  
VfUWk`hY`] \b`\_i`fnZf]gh][ `]b`GWk`k`]Yf][ `\_Y]hYbž`i`bX`k`À`fYbX`Y]bYf  
DUi`gY`k`i`fXY`Fi`V`^ck`Ui`Z[ fi`bX`j`cb`GWk`a`YfnYb`Ub`XYf`< UbX`a`]h  
GU`VY`VY\UbXY`h`8]YgY`6Y\UbX`i`b[ `gWk]Yb`] \a`YXcWk`b]Wk`h  
bUWk`U`h][ `ni`gWk`UXYbž`XYbb`Yf`\_`Àa`dZhY`g]Wk`VYY]bXfi`W`\_`YbX  
ni`f0W`\_]bg`Gd]Y``i`bX`[ Yk`Ubb`XYb`Xf]hYb`GUhm`XYi`h`]Wk"

## K i hUbZÀ`Y`i`bX`gd`c`f`h`]Wk`Y`@Y]ghi`b`[`Yb`

8]Y`Ya`ch]cbU`Y`0`hYbg]h`Àhž`X]Y`Fi`V`^ck`]b`gY]bYb`A`UhWk`Yg`nY][`hž  
]gh`Y]b`Wk`UfU`\_`hYf]gh]gWk`Yg`A`Yf`\_`a`U`gY]bYf`?`Uff]YfY``8Yf`Gd]Y`Yf  
\Uh`VYfY]hg`nY\`ba`U`X]Y`Fi`bXY`XYf`YhnhYb`5Wk`h`VY] ; fUbX!G`Ua`!

Hi fb]YfYb`YffY]Wk hž`XcWk`Y]b`<U`VZ]bU`Y]bni [ `ghY`h`k`Y]hYf`]b`Ui`g`  
GY]b`]a`di`g]j`Yg`J`Yf`U`hYb`Ui`Z`XYa`D`Uhnž`XUg`]\b`VY`Ubbh  
[`Ya`UWk`h`\`Uhž`Z0`fhY`]b`X]YgYf`GU]gcb`VYfY]hg`ni`Y]bYf`  
8]gei`U`Z]\_Uh]cb`VY]a`5HD!Hi`fb]Yf`]b`8i`VU]ž`bUWk`XYa`Yf`Y]bYb`  
@]b]Yb]f]Wk`hYf`Ub[`YgWk`f]Yb`\`UhhY`"

8]YgY`9d]gcXY`VY]`XYb`i`G`C`dYb`k`]fZi`Y]b`@]Wk`h`Ui`Z`Fi`V`^ck`g`  
?Ua`dZ[`Y]ghž`XYf`hfch`n`gY]bYf`GWk`k`]Yf][`\_Y]hYb`Ui`ZU`YbX`V`Y]Vh`  
5`g`Yf`bUWk`XYa`J`Yf`i`gh`XYf`YfghYb`VY]XYb`GÄhnY`ni`f0W\_]b`XYb`  
K`YhhVYk`YfV`ZUbXž`gWk]Yb`Yf`gY]bY`K`i`h]b`Y]bYb`d`cg]hj`Yb`5bhf]YV`  
i`a`ni`k`UbXYb`"8Yf`;`Yk`]bb`XYg`Xf]hhYb`GUhnYg`]Y»`^cZYbž`XcWk`  
]a`Yb`hgWk`Y]XYbXYb`A`ca`Yb`h`XYg`Gd]Y`g`VYk`]Yg`8]a`]hfck`gY]bY`  
?`UggY`i`bX`g]Wk`YfhY`g]Wk`XYb`G]Y[`"

5i`Wk`UbXYfY`Gd]Y`Yfž`k`]Y`XYf`i`G!5a`Yf]\_UbYf`HUmc`f`i`f]hnž`  
\_`cbbhYb`g]Wk`YfZc`[`fY]Wk`Xi`fWk`X]Y`Fi`bXY`\_`Äa`dZYb`":`f]hn`  
Y`]a`]b]YfhY`XYb`U`g`Bi`a`a`Yf`UWk`h`[`YgY`hnhYb`7`UgdYf`Fi`i`X`]b`  
Y]bYa`gdUbbYbXYb`A`UWk`a`]h`i`.\*`ž`\*`.(`ž`\*`i`i`bX`\*`.&`i`bX`n]Y`\`h`  
XUa`]h`]bg`J`]YfhY`Z]bU`Y`Y]b`"Gc`hY`5`YI`UbXYf`Nj`YfYj`ž`XYf`]b`  
gY]bYa`5Wk`hY`Z]bU`a`UWk`[`Y[`Yb`6fUbXcb`BU`Ug`\]a`U`UbhfYhYb`  
k`]fXž`YfZc`[`fY]Wk`gY]bž`\_0bbhY`Y]b`gdUbbYbXYg`8i`Y`nk`]gWk`Yb`  
:`f]hn`i`bX`Nj`YfYj`VYj`cfghY`Yb`"

æg[`YgUa`h`nY][`Yb`X]YgY`A`UWk`Ygž`k`]Y`i`bj`cf`YfgY`VUf`i`bX`  
Ya`ch]cbU`XUg`Hi`fb]Yf`]ghž`k`Ä`fYbX`g]Wk`X]Y`VYghYb`Gd]Y`Yf`XYf`  
K`Y`h`a`]hY]bUbXYf`a`YggYb`"Fi`V`^ck`g`5i`ghf]hh`Äggh`i`fU[`Yb`0VYf`  
gY]bY`k`Y]hYfY`9bhk`]W`i`b[`Ui`Z`ca`a`Ybž`]bgVYgcbXYfY`]b`6Yni`[`  
Ui`Z`XYb`i`a`[`Ub[`a`]h`8fi`W`i`bX`9a`ch]cbYb`Ui`Z`XYa`D`Uhn`8]Y`  
Ni`gWk`Ui`Yf`V`Y]VYb`[`YgdUbbhž`cV`Yf`Ui`g`X]YgYf`9fZU`fi`b[`YfYbYb`  
i`bX`]b`ni`\_0bZh][`Yb`K`YhhVYk`YfVYb`ni`f0W`gWk`U[`Yb`k`]fX`"

8YhU]`g`

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