

# F i \ YghUbX `]a `5i g`UbX. `K c `8 Yi hgWÅ Y ^Yhnh`Ua ``]YVghYb ``YVYb °

⇒ a Yf`a Y\ f`8 Yi hgWÅ Y`n]Y\ Yb`ZØf`]\ fYb`Fi \ YghUbX`]bg  
5i g`UbX" `9bhXYW\_Yb`G]Y`VY`]YVhY`N]Y`Y`k ]Y`² ghYffY]WÅ ž`X]Y  
GWÅ k Y]n`i bX`GdUb]Yb"



K ]YXYbž`² ghYffY]WÅ `!`⇒ a Yf`Ài Z[ Yf`n]Y\ h`Yg`XYi hgWÅ Y  
Fi \ YghÅbX`Yf`]bg`5i g`UbXž`k c`g]Y`] \ fYb`@YVYbgUVYbX`[ Yb]Y» Yb  
k c`Yb" `6YgcbXYfg`VY`]YVh`g]bX`XUVY`]X]Y`B UWÅ VUf`ÅbXYf  
² ghYffY]WÅ `i bX`X]Y`GWÅ k Y]n" `@Ui h`A Yf`\_i f` \ UVYb`g]WÅ `VYfY]hg  
&- "\$\$\$`XYi hgWÅ Y`F YbhbYf`ZØf`Y]bYb`@YVYbgUVYbX`]b`² ghYffY]WÅ  
YbhgWÅ ]YXYbž`k Ug`g]WÅ `VY]gd]Y`gk Y]gY`]b`di`g]YfYbXYb`GhÅXhYb  
k ]Y`K ]Ybž`GU`nVi f[ `i bX`ϕbgVfi W`\_k ]XYfgd]Y[ Y`h" `ϕg[ YgUa h  
k YfXYb`]b`² ghYffY]WÅ `-, "\$\$\$`F YbhYbnU\ `i b[ Yb`Ub`Ui g`ÅbX]gWÅ Y  
F YbhbYf`ØVYfk ]YgYbž`k Ug`XYi h]WÅ `a UWÅ hž`XUgg`XUg`@UbX`Y]b  
[ YZfU[ hYg`N]Y`ZØf`Fi \ YghÅbX`Yf`]gh"

8]Y`GWÅ k Y]n`Zc`[ h`a ]h`& \* "\$\$\$`NU\ `i b[ Yb`Ub`XYi hgWÅ Y`F YbhbYf"  
< ]Yf`g]bX`X]Y`@YVYbg\ U`hi b[ g`\_cghYb`U`YfX]b[ g` \ Ø\ Yf`U`g`]b

8 Yi hgWk`UbXžk Ug`Z0f`a UbWk`Y`Y]b`YbhgWk`Y]XYbXYg`? f]hYf]i a`gY]b  
\_0bbhY"8Yb`D`Uhn`Ui ZXYa`HfYddWk`Yb`XYf`VY`Y]YVhYghYb  
Fi`YghUbXgXYgh]bUh]cbYb`g]Wk`Yfh`g]Wk`GdUb]Ybžk`c`&` "\$\$\$  
XYi hgWk`Y`F`YbhbYf`YVYb"9g`nY][`h`g]Wk`ž`XUgg`XYf`G0XYb`9i`fcdUg  
Z0f`j`Y`Y`Fi`YghAbX`Yf`UhhfU`hj`gh`

## 8 ]Y`VYghYb`5i`gk`UbXYfi`b[`gn]Y`Y

8 cWk`k`jY`X]ZYfg]hhYgh`g]Wk`XUg`@YVYb`ja`5i`g`UbX`k`Y]hYf3`@Ui`h`  
**F`Y`b`hb`Y`f`&(`g]b`X`j`Y]f`Y`bhgWk`Y]XYbXY`5gdY`hY`Z0f`Y]b`[`i`hYg`@YVYb`  
]a`Fi`YghUbX`fY`Yj`Ubh`;`Y`Xž`Ygi`bX`Y]hž`@YVYbgei`U`]h`h`i`b`X  
X]Y`K`c`b]g]hi`Uh]cb`"A`]h`Y]b`Y`f`Xi`f`Wk`g`Wk`b]h`]Wk`Yb`F`Y`b`h`Y`j`cb`%"%)`&  
9i`fcd`fcd`A`cb`Uh`k`]fX`Yg`Z0f`j`Y`Y`F`Y`b`hb`Y`f`g`Wk`k`]Yf][`ž`X`Ua`]h`]b  
8 Yi hgWk`UbX`gcf[`cg`ni`YVYb"l`a`gc`a`Y`f`c`b`h`g]Wk`Y]b`6`]W\_  
Ui`ZX]Y`@YVYbg`U`hi`b[`g`c`ghYb`]b`UbXYfYb`@AbXYfb"6YgcbXYfg  
UhhfU`hj`YfgWk`Y]bYb`GdUb]Yb`f`%`%`[`0bgh][`Yf`ž`ž`f]YWk`Yb`UbX  
f`%-`i`[`0bgh][`Yf`ž`i`b`X`6`i`[`Uf]Yb`f`(`) `i`[`0bgh][`Yf`ž`"**

8 ]Y`;`Ygi`bX`Y]hgj`Yfgcf[`i`b[`Z0f`9i`!60f[`Yf`]gh`YVYbZU`g`Y]b  
k`]Wk`h][`Yf`U`hcf`"b`XYb`a`Y]ghYb`Yi`fcd`A]gWk`Yb`@AbXYfb`U`UVYb  
F`Y`b`hb`Y`f`5bgdfi`Wk`Ui`Z`X]Y`[`Y]Wk`Y`a`Y`X]n]b]gWk`Y`J`Yfgcf[`i`b[`k`]Y  
9]b`Y]a`]gWk`Yžk`A`f`Y`b`X`X]Y`DZY[`Yj`Yfg]Wk`Yfi`b[`Ui`Wk`]a`9K`F`i`b`X  
XYf`G`Wk`k`Y]n`[`]h`5i`»Yf`U`V`XYf`9i`]gh`Y`X`c`Wk`Y]b`Y`df]j`UhY  
5Vg]Wk`Yfi`b[`b`ch`k`Y`b`X][`"

## F`Y`b`h`Y`b`0`V`Y`f`k`Y]gi`b[`]a`5i`g`UbX

9]b`A`i`Z][`Yg`5b`Y]Y`Yb`VY]Y]bYa`l`a`ni`[`]bg`5i`g`UbX`]gh`X]Y  
:`fU[`Yžk`]Y`Yg`a`]h`XYf`F`Y`b`h`Y`Ui`gg]Y`h`"b`Zcfa`Uh]cbYb`XYf`  
8 Yi hgWk`Yb`F`Y`b`h`Y`bj`Yfg]Wk`Yfi`b[`**XYi`hYb`XUfUi`Z`]**ž`XUgg`VY]  
Y]bYa`j`cf0VYf[`Y`Y`b`X`Y`b`5i`Z`Y`b`h`U`h`X]Y`F`Y`b`h`Y`bn`U`i`b[  
i`bj`Yf`AbXYfh`V`Y]Vh`5i`Wk`VY]Y]bYa`XUi`Yf`U`ZhYb`l`a`ni`[`]b`Y]b  
9i`!@UbX`c`XYf`X]Y`G`Wk`k`Y]n`k`]fX`X]Y`F`Y`b`h`Y`]b`XYf`F`Y[`Y`k`Y]hYf`Y]b  
]b`j`c`Y`f`<0`Y`0VYf`k`]YgYb"5bXYfg`g]Y`h`Y`g`Ui`gžk`Y`b`b`Y]b`l`a`ni`[  
]b`Y]b`@UbX`c`b`Y`G`cn]U`j`Yfg]Wk`Yfi`b[`gUV`\_`ca`a`Yb`Yf`Zc`[`hž`XYbb  
Y]Yf`\_0bbhYb`9]bgWk`f`Ab`i`b[`Yb`Ui`ZhYhYbžk`Yg`U`V`Y]bY`6YfUhi`b[  
j`cf`XYa`l`a`ni`[`]Ub[`YfU`h`Y`b`k`]fX"

l a `Y]bYb`fY]Vi b[ g`cgYb`5V`Ui Z`ni `[ Yk Å\`f`Y]ghYbž`]gh`X]Y  
 fYW`hnY]h][ Y`≠Zcfa`Uh]cb`XYg`F`YbhYb`GYfj`]W`k`]W`h][ ``8]YgY`a`i`gg  
 gdÅhYghYbg`nk`Y]`A`cbUhY`]a` `J`cfUi`g`YfZc`[ Ybž`ZU`g`g]W`X]Y  
 6Ub`\_j`YfV]bXi`b[ `ÅbXYfh`cXYf`Y]b`l`a`ni`[ `UbghY`h`8]Y  
 ,`VYfk`Y]gi`b[ `XYf`F`YbhY`Ui`Z`Y]b`Ui`g`ÅbX]gW`Yg`6Ub`\_\_c`bhc`[ `]`h`U`g`  
 g]W`YfghY`A`Yh\cXYž`k`cVY]`ni`gÅh`]W`Y` ;`YVØ`fYb`VY]  
 ,`VYfk`Y]gi`b[ Yb`Ui`»`Yf\U`V`XYg`G9D5!F`Ui`a`g`UbZU`Yb`\_`ÒbbYb`"

GW`Y`Y`»`]W`gd]Y`Yb`Ui`W`ghYi`Yf`]W`Y`5gdY`\_hY`VY]`Y]bYa  
 Fi`YghUbX`]a` `5i`g`UbX`Y]bY`F`c`Y`"6Y]5i`ZYbh`U`hYb`i`bhYf`gYW`g  
 A`cbUhYb`V`Y]Vh`X]Y`GhYi`YfdZ]W`h`i`bj`YfÅbXYfhž`k`Å\`fYbX`VY]  
 Y]bYa`X`Ui`Yf\UZhYb`l`a`ni`[ `XYf` ;`fi`bXZfY]VYhfU[ `YbhZÅ`h`i`bX`Y]bY  
 6YghYi`Yfi`b[ `UV`XYa` `YfghYb`9i`fc`ghUhhZÅ`h`8]Y`-`\$!DfcnYbh!FY[ `Y`  
 Yfa`Ò[ `]W`h`Y]bYb`5bhfU[ `Ui`Z`i`bVYgW`fÅb`\_hY`GhYi`YfdZ]W`hž`k`Ybb  
 XYf` ;`fc`»`hY]`XYf`9]b`\_ØbZhY`Ui`g`8Yi`hgW`UbX`ghUa`a`h`"

≠g[ YgUa`h`nY][`h`g]W`ž`XUgg`j`]Y`Y`8Yi`hgW`Y`U`\_h]j`XUfUb`UfVY]hYbž`  
 ]\`fYb`F`i`YghUbX`]b`Y]bYa`XYf`VY[ `Y\`fhYghYb`@ÅbXYf`ni  
 j`YfVf]b[ Yb`"8Yf`5i`ghUi`gW`ØVYf`@VYbg`U`hi`b[ g`\_cghYbž`  
 ;`Ygi`bX`Y]hgj`Yfgcf[ `i`b[ `i`bX`F`YbhYb`Ub`gd`f`ØW`Y`]gh`XUVY]  
 YbhgW`Y]XYbX`ZØf`Y]bY`gcf[ YbZfY]Y`NY]h`]a` `5i`g`UbX`"

8YhU]`g	
C`fh	K`]YXYbž`²`ghYffY]W`
E`i`Y`Y`b	<ul style="list-style-type: none"> <li>• k k k "a`Yf`_i`f`XY</li> <li>• k k k "XYi`hgW`Y! fYbhYbj`Yfg]W`Yfi`b[ `XY</li> <li>• k k k "fYbhYf&amp;(`Yi</li> </ul>

6Ygi`W`Yb`G]Y`i`bg`Ui`Z.`a`Y]b`!k`]Yb`bYh`