

A Å`Ub]Y`J ]`YbYi j Y. `9bX`]W`Ni [ Ub[ `ZØf  
: fUi Yb`]a `FYbbgdcfh`

U\_g`J ]`YbYi j Y`fYZY\_h]Yfh`ØVYf`XYb`9]bZi gg`j cb`G\_]ZU`fYb  
Ui Z`XUg`FYbbZU`fYb`i bX`X]Y`bYi Yb`7\UbW`b`ZØf` : fUi Yb`]a  
A chcfgcdcfh`



7Y`Yž`8Yi hgW`UbX`!`a a Yf`a Y`f`k ]fX`XUg`9fVY`XYf  
`Y[ YbXÅfYb`J ]`YbYi j Y! : Ua ]]Y`]b`XYb` : c\_i g`[ YfØW`h``b`Y]bYa  
; YgdfÅW``Uh` U\_g`J ]`YbYi j Yž`XYf`6fi XYf`j cb`A Å`Ub]Yž`gY]bY  
, VYfnYi [ i b [ `i bX[ YhUbž`XUgg`gY]bY`GW`k YghYf`U`g`FYbbZU`fYf]b  
]b`XYf``Yi h[ Yb`NY]h`Y]bY`YW`h`7\UbW` [ Y\UVh`ÅhhY``A ]h`Y]bYf  
ghUf`Yb`G\_]ZU`fYf]bbYb!J Yf[ Ub[ Yb`Y]hž`gc` [ `Ui Vh`Yfž`k ÅfYb`X]Y  
; fi bX`U[ Yb`ZØf`Y]bY`?Uff]YfY`]a `FYbbgdcfh[ Y`Y[ h`[ Yk YgYb`  
; i hYg`G\_]ZU`fYb`Ybhk ]W`Y`h`Y]bY`XfY]X]a Ybg]cbU`Y`fÅi a `]W`Y  
J c fghY`i b[ ž`VYhcbh` U\_g`i bX`Yf`\_`Åfh`k Y]hYfž`XUgg`a Ub`Ui g`XYa  
G\_]ZU`fYb``Yfbhž` ; YgW`k ]bX[ [ \_Y]h`c`bY`A chcfni`YfnYi [ Yb`i bX  
?i fj Yb`cdh]a U`ni`bi hnYbž`i a`g]W`gW`bY`Yf  
Zcfni VYk Y[ Yb`A chcfni fbU`g`VYf]W`hYh`

ϕ`gY]bYb`5i gZØ\fi b[ Yb`k ]fX`XYi h]Wž`k ]Y`Ybcfa`k ]W]h[ `Ui W  
a Y\FX]a Ybg]cbU`Y`9bhgW]Y]Xi b[ Yb`]a`F Ybbgdcfhg]bX`" 9g`[ Y\h  
XUfi a ž[ `Y]W]nY]h[ `XYb`?cdZ]b`X]Y`f]W]h[ Y`F]W]h`i b[ `ni`XfY\Yb  
i bX`XUg` : U\ f[ YZØ\`a` ]h`XYa`?ØfdYfž`XYa` ; Y\]fb`i bX`XYb  
]bbYfYb`C`fYb`ni`j`YfV]bXYb`žgc` U\_g`"8]Yg`g]bX`9fZU\fi b[ Ybž  
X]Y`A`Å`Ub]Y`J`]`YbYi`j`Yž`X]Y`]\fY`? ]bX\Y]h`a` ]h`XYa  
K`Yhh`\_Ua`dZg[ Y]ghj`cb`?UfhZU\`fYbž`A`chc`Wf`cgg`i`bX`<c`W`\_Ym  
j`YfVfUW]h`U`hž`a` ]h`6Y[ Y]ghYfi b[ `]\`Å`hhY`i`a`gYhnYb`\_`Ö`bbYb`"ϕ  
Y]bYf`NY]hž`]b`XYf`X]Y` ; YgW`Y`W]hYffc`Y`b`\_`UfYf`XYZ]b]Yfh`k`UfYbž  
k`Å`fY`Y]bY`?Uff]YfY`U`g`F`Yb`b`ZU\`fYf]b`Y`Xc`W`\_Y]bY  
<YfUi`gZc`fXYfi b[ `][`Yk`YgYb`"

## 9]b`bYi`Yg`9fVY`ZØf` ; ]`Yg`J ]`YbYi`j`Y

A`Å`Ub]Y`\`Uh`g]W]`bi`b`Yb`hgW]`cggYbž`XUg`J`Yfa`Å`W]hb]g`]\`fYg`J`UhYfg  
 ; ]`Yg`J ]`YbYi`j`Yž`Y]bYf`\_`cbY`XYg`A`chc`fgdc`fhgž`bYi` `ni` [ YghU`hYb`"  
6Y]Y]bYf`DfYggY`\_`cbZ`fYbn`]b`A`cb`hfYU`ghY`hY`g]Y`Y]bY`K`YVg]hY  
i`bX`Y]bY`A`Uf`\_`Y`j`cfž`X]Y`g]W]`a` ]h`XYa` @YVYb`i`bX`XYb  
i`b[ `Ui`V`]W]Yb`@Y]ghi`b[ Yb`] \fYg`J`UhYfg`VY`ZUggYb`k`YfXYb`" 9g  
k`]fX`NY]hž`X]Y`@Y[ YbXY`j`cb` ; ]`Yg`Ui`h\Yb]h]gW]`ni`VYk`U\`fYb`i`bX  
ni`Yfn`Å`\`Yb`ž`Yf`\_`Å`fh`g]Y`"8`Ug`Dfc`Y`\_`h`k`]fX`nU\`fY]W]Y  
A`YX]Yb]b]h]Uh]j`Y`VY]b\`U`hYbž`XUfi`bhYf`Y]bYb` : ]`a`Ø`VYf` ; ]`Yg  
[ fc»Ufh][ Yb`K`YfXY[ Ub[ `]b`XYf` : cfa`Y`%`i`bX`]a`a`Yfg]j`Y  
9f`YVb]ggYž`X]Y`X]Y`<`Ö\`Ydi`b`\_`hY`gY]bYf`?Uff]YfY`k`]XYfgd]Y[ Y`b`"⇒W  
F`UX]c!7`Ub`UXU`VYf]W]`hY`h`XUf`Ø`VYf`"

8`Ug`N]Y`X]YgYf`6Ya`Ø\i`b[ Yb`]gh`\_`Uf`."8]Y` : Ua` ]]Y`J ]`YbYi`j`Y  
a`Ö`W]hY`g]W]`YbX`]W]`cf[ Ub]g]YfYbž`i`a`X]Y`6Y`\_`Ubb`h\Y]h]j`cb` ; ]`Yg  
Ui`ZfYW]hni`Yf\`U`hYb`i`bX`gY]b`J`Yfa`Å`W]hb]g`a` ]h`Y]bYf`Y][ YbYb  
D`Uh`hZcfa` `ni`i`bhYfgh`Ø`hnYb`"A`Å`Ub]Y`VY`hc`bh`Y`Xc`W]ž`XUgg`Yg`\_`Y]bYb  
Ni`gUa`a`Yb\`Ub[ `nk`]gW]Yb`X]YgYb`bYi`Yb`Dfc`Y`\_`hYb`i`bX`XYa  
U`\_`hi`Y`Y`b`F`Y`W]hgghfY]h`a` ]h`XYa` `A`i`g`Å`Y` ; ]`Yg`J ]`YbYi`j`Y`[ ]Vhž`Ui`g  
XYa`X]Y` : Ua` ]]Y`6Yg]hnh`Øa`Yf`ni`f`Ø`W`\_`Zc`fXYfh`"9]b`8]YVghU\`Y]bYf  
[ fc»Yb`6fcbnYghUhi`Y`]\`fYg`J`UhYfg`\`Uh`XUg`J`YfhfUi`Yb`]b`XUg  
A`i`gYi`a`ghUf`\_`VYgW]Å`X][`h`"

: fUi`Yb`]a` `A`chc`fgdc`fh.` : c`fhgW]f]hhY`i`b`X

## < YfUi gZc fXYfi b [ Yb

⊕`Y]bYf`NY]hž`]b`XYf` : fUi Yb`]a `FYbbgdcfh`a Y`f`Ni [ Ub[ `UVYb  
U`g`Y`ni j cfž`g]Y`h`A`Å`Ub]Y`J`]`YbYi j Y`[ fc»Y` : cfhgW`f]hY`"  
HYW`bc`c [ ]gW`Y`9bhk ]W`\_i b [ Yb`i bX`XYf`K UbXY`]b`XYf  
; YgY`gW`UZh`UVYb`j ]Y`Y`J`cfi fhY`]Y`Ui g [ Yf`Ài a h`" 9g`[ ]Vh`Yi hY  
\_Y]bYb` ; fi bX`a Y`fž` : fUi Yb`]a `A chcfgcdcfh`Ui gni gW`]Y»Yb ž`gc  
]`fY` , VYfnYi [ i b [ "8Yf`k Y]V`]W`Y`9]bZi gg]a `FYbbgdcfh`]gh`b]W`h  
bYi ž`k Ybb`a Ub`Ub`D]cb]Yf]bbYb`k ]Y`6Yfh`U`6Ybn`XYb`\_hž`X]Y`% , , ,  
XYb`6Ybn`!DUhYbh`!A chcfk U [ Yb`ghYi YfhYž`cXYf`X]Y  
A chcffUXfYbbZU`fYf]b` ; Yfhfi XY`9]gYba Ubbž`X]Y`]b`XYb`Zf0`Yb  
%- \$\$Yf`⌘`fYb`DfY]gY`Z0f`]`fY`@Y]ghi b [ Yb`[ Yk Ubb**A chcffUX  
Cb`]bY`YVh`X]Y`9bhk ]W`\_i b [ Yb`Yfj`cf`"**

8]Y`J`cf\_`Àa`dZyf]bbYb`XYg`A chcfgcdcfhg`UVYb`YbhgW`Y]XYbXY  
GW`f]hY`[ YhUbž`i a`XUg`6`X`XYf` : fUi`]a `A chcfgcdcfh`ni  
j YfVYggYfb`"⊕`X]YgYa`G]bbY`k ]fX`A`Å`Ub]Y`k Y]hYf`XUfUb`UfVY]hYbž  
XUgg`XYf`B`Ua`Y`J`]`YbYi j Y`b]W`h`bi`f`a`]hY]bYa`[ fc»Ufh][ Yb  
: U`fYfž`gcbXYfb`Ui W`a`]hY]bYf`J]g]cb`Z0f`Y]bY`]b`\_i`gj`Y`Ni`\_i`bZh  
]a`FYbbgdcfh]YfVi bXYb`k ]fX`"

8YhU]`g	
C fh	7Y`Yž`8Yi hgW`UbX
E i Y`Yb	<ul style="list-style-type: none"><li>• a chcfni fbU`g`j</li><li>• ]W]`fUX]c!WU`bUXU`WU</li><li>• k k k "a chcffUXcb`]bY`XY</li></ul>

6Ygi W`Yb`G]Y`i bg`Ui Z`X]Y!bUW`f]W`hYb`W`a