

## 8 Ug `Vf]h]gWÅ Y `J YfVch`j cb `? fmdhc! 8 Yf]j UhYb `gWÅ Øhnh`Df]j UhUb `Y [ Yf `b]WÅ h

8]Y`6Yk Yfhi b[ `j cb`? fmdhc k Å\fi b[ Yb `Uh]b`XYb`YhnhYb`%&  
A cbUhYb`XfUa Uh]gWÅ`ni [ Ybca`a Ybž`YVYbgc`k ]Y`]\fY  
5\_nYdhUbn`Xi fWÅ`þj YghcfYb`Ui ZXYf`[ UbnYb`K Y`h`  
9]bnY`dYfgcbYb`gck ]Y`þgh]hi h]cbYb`"6]g`j cf`k Yb][ Yb`þ]\fYb  
\ÅhhYb`X]Y`a Y]ghYb`?`Y]bUb`Y[ Yf`ZØf`X]Y`5Vk ]W`i b[ `]\fYf  
5b`U[ Yb`X]Y`þUbgd fi WÅbU`a Y`Y]bYg`A U`Yfg`cXYf  
5b`U[ YYI dYfhYb`VYb`Øh][ h`<Yi hY`ghf`Øa Yb`J YfVfUi WÅYf`ni  
5ddg`i bX`D`UhhZcfa Ybž`X]Y`Yg`]\bYb`Yfa Ø[ `]WÅYbž`X]fY`\_hi bX  
c`bY`Nk ]gWÅYb`\ÅbX`Yf`gck c`]\b`hfUX]h]cbY`Y`  
: ]bUb nUb`U[ Yb`U`g`Ui WÅ`ni bY`a YbX`]b`? fmdhc`ni  
]bj Ygh]YfYb`"5`g`NY]WÅYb`XUZØfž`k ]Y`ni [ Åb[ `]WÅ`X][ ]hU`Y  
J Yfa Ø[ Ybgk YfhY`Ui WÅ`ZØf`Df]j Uh`i bXYb`[ Yk cfXYb`g]bXž  
\UVYb`X]Y`I G!F Y[ i `]Yfi b[ gVY`\ØfXYb`]a`j Yf[ Ub[ YbYb  
A cbUh`XYb`YfghYb`? fmdhc!8 Yf]j Uh!9H: `XYg`@UbXYg`ZØf  
6]hWc]bž`X]Y`VY`]YVhYghY`X][ ]hU`Y`/ Ua`d`Λ`Y`]d/

8]Y`6Yk Yfhi b[ `j cb`? fmdhc k Å\fi b[ Yb `Uh]b`XYb`YhnhYb`%&  
A cbUhYb`XfUa Uh]gWÅ`ni [ Ybca`a Ybž`YVYbgc`k ]Y`]\fY`5\_nYdhUbn  
Xi fWÅ`þj YghcfYb`Ui ZXYf`[ UbnYb`K Y`h`9]bnY`dYfgcbYb`gck ]Y  
þgh]hi h]cbYb`"

6]g`j cf`k Yb][ Yb`þ]\fYb`\ÅhhYb`X]Y`a Y]ghYb`?`Y]bUb`Y[ Yf`ZØf`X]Y  
5Vk ]W`i b[ `]\fYf`5b`U[ Yb`X]Y`þUbgd fi WÅbU`a Y`Y]bYg`A U`Yfg  
cXYf`5b`U[ YYI dYfhYb`VYb`Øh][ h`<Yi hY`ghf`Øa Yb`J YfVfUi WÅYf`ni  
5ddg`i bX`D`UhhZcfa Ybž`X]Y`Yg`]\bYb`Yfa Ø[ `]WÅYbž`X]fY`\_hi bX  
c`bY`Nk ]gWÅYb`\ÅbX`Yf`gck c`]\b`hfUX]h]cbY`Y`:  
]bUb nUb`U[ Yb`U`g`Ui WÅ`ni bY`a YbX`]b`? fmdhc`ni`]  
]bj Ygh]YfYb`"

5`g`NY]WÅYb`XUZØfž`k ]Y`ni [ Åb[ `]WÅ`X][ ]hU`Y`J Yfa Ø[ Ybgk YfhY`Ui WÅ  
ZØf`Df]j Uh`i bXYb`[ Yk cfXYb`g]bXž`\UVYb`X]Y`I G!

F Y[ i `]Yfi b[ gVY\ÖfXYb`ja`j Yf[ Ub[ YbYb`A cbUh`XYb`YfghYb`? fmdhc!  
8 Yf]j Uh!9H: `XYg`@UbXYg`ZØf`6]hWc]bž`X]Y`VY`]YVhYghY`X][`]hU`Y  
K `À\fi b[ ž`ni [ `Y`UggYb`"6Y`]XYf`; YbY`a ][ i b[ `Zc`[ hYb`6YUa hY  
]\fYb`5a hg\_c`Y[ Yb`]b`gc`i bhYfgW\]YX`]W\Yb`; Yf]W\hgVUf`\_Y]hYb  
k ]Y`? UbUXUž`8Yi hgW\`UbXž`8i VU]`i bX`6fUg`]Yb`"

I bX`k c`ghY`h`; fc» Vf]hUbb]Yb`VY]`U`X`Ya`3`Ni fØW`\_V`Y]VYb`]gh`X]Y  
5b`hk c`fh`K`Y]h`XUj`cb`Yb`hZYfb`hž`g]W\`XYb`[ `cVU`Yb`6Ya`Ø\i b[ Yb  
Ubni`gW\`Y]» Ybž`Df]j UhUb`Y[ Yfb`Y]bYb`[ i hYb`Ni [ Ub[ `ni  
? fmdhc`d`f`c`Xi`\_hYb`i bhYf`X`Ya`G]W\Yf`Y]hgXUW\`Y]bYf`ghfYb[ Yb  
F Y[ i `]Yfi b[ `ni`j YfgW`UZZYbž`\`À`h`X]Y`:]bUbW]U`7`cbXi`Wh`5i`h\`c`f]hm  
Ub`Y]bYa`]a`]`Ubi`Uf`Y]b[ YZØ`fhYb`J`YfV`ch`ZY`ghž`XUg`XYb`J`Yf`\_Ui`Z  
j`cb`? fmdhc!8 Yf]j UhYb`Ub`Df]j Uh`\_i bXYb`j YfV]YhYh`"

5bghUhh`; fc» Vf]hUbb]Ybg`Dcg]h]cb`U`g`[ `cVU`Yg  
:]bUbnnYbhfi`a`ni`gh`À`f`\_Ybž`gW\`f`À`b`\_h`Y]b`ØVYfa`À»][  
j`c`f`g]W\`h][`Yf`I`a`[`Ub[`a`]h`? fmdhc`X]Y`:]`À\][`\_Y]h  
; fc» Vf]hUbb]Ybg`Y]bž`Y]bYb`5b`hY]`Ub`X]YgYa`gW\`bY`  
k`UW\`gYbXYb`fYj`c`i`h]cb`À`fYb`A`Uf`\_h`ni`YfgW\`]Y]» Yb`"

8]Yg`a`i`gg`g]W\`À`bXYfb`"8]Y`6YgW\`f`À`b`\_i`b[ Yb`Zi`b`\_h]cb]YfYb`b]W\`h  
k`]f`\_]W\`ž`k`Y]`5b`Y[ Yf`gc`W\`Y`8Yf]j UhY`]a`a`Yf`bcW\`]a`5i`g`UbX  
cXYf`Ui`Zi`a`k`Y[ Yb`Ui`» Yf`U`V`X`Yf`?`cb`hf`c`Y`X`Yf`  
5i`Zg]W\`hgVY\ÖfXYb`\_Ui`ZYb`\_Öb`bYb`"8Yf`5b`Y[ YfgW\`i`hn`k`]fX`Xi`fW\`  
X]Y`A`U» bU`a`Yb`b]W\`h]j YfVYggYfhž`gc`bXYfb`[ YZÀ`fXYh`"

5bghUhh`; fc» Vf]hUbb]Ybg`Dcg]h]cb`U`g`[ `cVU`Yg`:]bUbnnYbhfi`a`ni  
gh`À`f`\_Ybž`gW\`f`À`b`\_h`Y]b`ØVYfa`À»][`j`c`f`g]W\`h][`Yf`I`a`[`Ub[`a`]h`? fmdhc  
X]Y`:]`À\][`\_Y]h`; fc» Vf]hUbb]Ybg`Y]bž`Y]bYb`5b`hY]`Ub`X]YgYa`gW\`bY`  
k`UW\`gYbXYb`fYj`c`i`h]cb`À`fYb`A`Uf`\_h`ni`YfgW\`]Y]» Yb`"

G]W\`Yf`]W\`]gh`Yg`f]W\`h][`ž`XUgg`X]Y`:]`7`5`XYb`5b`Y[ YfgW\`i`hn`]b`XYb  
A`]hhY`di`b`\_h`ghY`h`i`bX`VYgc`f[`h`]ghž`XUgg`Y]b`g]W\`gc`gW\`bY`"

Yb h k ] W \_ Y ` b X Y f ` A U f \_ h ; Y Z U \ f Y b ` Z Ø f ` X ] Y ` 5 b ` Y [ Y f ` V ] f [ h ` 5 V Y f ` g ] Y  
a i g g ] \ f Y b ` d ` i a d Y b ` 5 b g U h n ` U b ` Y ] b Y ` Z Y I ] V ` Y f Y ` D c ` ] h ] \_ ` U b d U g g Y b ž  
X ] Y ` X Y b ` 5 b ` Y [ Y f b ` ] a a Y f ` b c W \ X U g ` Y f Z c f X Y f ` ] W \ Y ` A U » ` U b  
G ] W \ Y f \ Y ] h ` V ] Y h Y b ` \_ U b b "

B U W \ X Y a ` 6 f Y I ] h ` ] g h ; f c » V f ] h U b b ] Y b ` g h f U h Y [ ] g W \ d c g ] h ] c b ] Y f h ž i a  
Y ] b Y ` d f c U \_ h ] Y ` < U ` h i b [ ` V Y ] ` X Y f ` 9 ] b Z Ø \ f i b [ ` j c b ` ? f m d h c k Å \ f i b [ Y b  
] a ` 9 ] b n Y \ U b X Y ` ` Y ] b n i b Y \ a Y b ž \ U h ` Y X c W \ g h U h h X Y g g Y b ` Y ] b Y b  
U V k U f h Y b X Y b ` 5 b g U h n ` [ Y k Å \ ` h i b X ` g h Å b X ] [ ` 6 Y X Y b \_ Y b  
\ ] b g ] W \ h ` ] W \ X Y g ` J Y f V f U i W \ Y f g W \ i h n Y g [ Y Å i » Y f h ž ` k U g ` n Y ] h k Y ] g Y  
b ] W \ h ` a ] h ` g Y ] b Y b ` Y ] [ Y b Y b ` i b h Y f g i W \ i b [ Y b ` Ø V Y f Y ] b g h ] a a h Y "

8 ] Y ` V f ] h ] g W \ Y ` : ] b U b W ] U ` 7 c b X i W h ` 5 i h \ c f ] h m i f l 7 5 k \ U h ` X ] Y g Y g ` Å \ f  
Y ] b Y ` i a Z f U [ Y ` j Y f Ø Z Y b h ] W \ h ž ] b ` X Y f ` Z Y g h [ Y g h Y ` ` h k i f X Y ž X U g g ` X ] Y  
A Y \ f \ Y ] h ` X Y f ` 6 Y g ] h n Y f ` j c b ` ? f m d h c ! 5 g g Y h g ` ] a ` 5 ` ` [ Y a Y ] b Y b ` Ø V Y f  
X U g ` D f c X i \_ h ` 6 Y g W \ Y ] X ` k Y ] » ž ` g ] W \ X Y g ` Z Y \ ` Y b X Y b ` f Y [ i ` U h c f ] g W \ Y b  
G W \ i h n Y g ` V Y k i g g h ` ] g h i b X ` X U g ` F ] g ] \_ c ` j c b ` D f Y ] g j c ` U h ` ] h Å h j Y f g h Y \ h "

5 ` g ` X ] Y ` : 7 5 ` ] a ` Å j b i U f ` Y X c W \ ` \ f ` J Y f V c h ` X Y g ` J Y f \_ U i Z g ` j c b ` ? f m d h c !  
8 Y f ] j U h Y b ` U b ` D f ] j U h \_ i b X Y b ` U b \_ Ø b X ] [ h Y ž ` g U [ h Y ` g ] Y ž X U g g  
? ` Y ] b j Y f V f U i W \ Y f ` X Y b ` K Y f h i b X ` X ] Y ` F ] g ] \_ Y b ` j c b ` 8 Y f ] j U h Y b ` k ] Y  
8 ] Z Z Y f Y b n \_ c b h f U \_ h Y b ` f l : 8 g k ž : i h i f Y g ž ` C d h ] c b Y b ` i b X  
V Ø f g Y b [ Y \ U b X Y ` h Y b ` K Y f h d U d ] Y f Y b ` b ] W \ h i n i j Y f ` Å g g ] [ ` Y ] b g W \ Å h n Y b  
\_ Ø b b Y b " ` B c h Y g ` f Ø H B g k ž ` X ] Y ` g ] W \ U i Z V Y g h ] a a h Y ` ? f m d h c ! 5 g g Y h g  
V Y n ] Y \ Y b " ` N i ` X Y b ` ; f Ø b X Y b ` X Y f ` : 7 5 ` [ Y \ Ø f h Y b ` 6 Y X Y b \_ Y b ž X U g g  
J Y f V f U i W \ Y f ` \_ Y ] b Y ` n i j Y f ` Å g g ] [ Y ` 6 Y k Y f h i b [ g [ f i b X ` U [ Y ` \ Å h h Y b  
i b X ` D f ] j U h \_ i b X Y b ` Y ] b ` i b n i f Y ] W \ Y b X Y g ` J Y f g h Å b X b ] g ` i b X ` \_ Y ] b Y b  
\_ ` U f Y b ` b j Y g h ] h ] c b g V Y X U f Z ` \ Å h h Y b "

< ] Y f ` V Y g h Y \ h ` Y ] b ` c Z Z Y b g ] W \ h ` ] W \ Y f ` K ] X Y f g d f i W \ ` n k ] g W \ Y b ` X ] Y g Y f  
5 i g g U [ Y ` i b X ` X Y f ` Y ] [ Y b Y b ` i a Z f U [ Y ` X Y f ` : 7 5 "

8 ] Y ` 9 b h g W \ Y ] X i b [ ` X Y f ` F Y [ i ` ] Y f i b [ g V Y \ Ø f X Y ` k i f X Y ` j c b ` X Y f  
6 f U b W \ Y ` ` X ] Y ` Y ] b Y b ` U i g [ Y k c [ Y b Y f Y b ` 5 b g U h n ` a ] h  
G W \ i h n a U » b U \ a Y b ` k ] Y ` Y ] b Y f ` C V Y f [ f Y b n Y ` Z Ø f ` X ] Y ` J Y f g W \ i ` X i b [  
V Y Z Ø f k c f h Y h Y ` ` k Y ] h [ Y \ Y b X ` U ` g ` i b b Ø h ] [ ` j c f g ] W \ h ] [ ` U b [ Y g Y \ Y b " ` 9 g  
] g h ` g W \ k Y f ` n i ` j Y f g h Y \ Y b ž ` k Y b ` X ] Y g Y ` 9 b h g W \ Y ] X i b [ ` [ Y g W \ Ø h n h ` \ U h ž  
X U ` V f ] h ] g W \ Y ` ? i b X Y b ` ] a a Y f ` b c W \ ` C Z Z g \ c f Y ! ? c b h Y b ` Y f Ø Z b Y b

\_ÖbbYbž'X]Y`XYb`<UbXY`a ]h'8Yf]j UhYb`a ]h'V]g`ni`%\$!ZUWXYf  
<YVY`k ]f\_i b[ `UbV]YhYb`"

⇒W`[ `Ui VYž'X]Y`a Y]ghYb`hi b`X]Yg`a ]h`cZZYbYb`5i [ Yb`  
?`Y]bUb`Y[ Yfž'X]Y`]b`X]Y`\_ca`d`Yi`Y`K`Y`h`XYf`?fmdhc!`i`bX`X][ ]hU`Yb  
5ggYhg`Y]bgHY][ Ybž'a ØggYb` bUWZc`fgWXYb` "i`bX`j`Y`Y`hi`b`X]Yg`"

8 Ug`J`YfV`ch`j`cb`:`75!8Yf]j UhYb`gWXY]bh`gY`hgUa`Yfk`Y]gY`b]W`h`a`]h  
XYb`\\]ghc`f]gWXYb`9fZc`[ Yb`:`fc»Vf]hUbb]Ybg`U`g`:`]bhYW`!<i`V`i`bX  
XYa`6Y`\_Ybbhb]g`XYf`FY[ ]Yfi`b[ žY]bY`k`YhVYk`YfVgZ`\\][ Y`i`bX  
]bb`cj`Uh]j`Y`:`Yf]W`hgVUf`\_Y]h`ZØf`:`]bUbnX]YbghY]ghi`b[ Yb`ni`gY]bž`]b  
9]b`\_Ub[ `ni`ghY`\\Yb`"GY`Vgh]b`XYf`9i`ž'X]Y`]b`:`fc»Vf]hUbb]Yb`cZh  
U`g`VØfc`\_fUh]gWXYg`A`cbghYf`Ub[ YgY`\\Yb`k`]fXž`XUg`\_Ub[ gUa`a`]h  
XYf`Z]bUbn]Y`Yb`J`c`ffY]hY`ffc`Y`GW`f]h`\\`Ä`hž`[ ]Vh`Yg`\_Y]bY  
Ä`b`]WXYb`J`YfV`chY`"K`YXYf`]b`XYb`i`G5`bcW`]b`XYb`a`Y]ghYb  
HY]`Yb`5g]Ybg`"

8Yf`GW`f]h`XYf`i`G!6Y`\\ÖfXYb`]b`XYf`j`Yf[ Ub[ YbYb`K`cWXY  
i`bhYfghfY]W`h`bi`fž`k`]Y`]gc`Y]fh`:`fc»Vf]hUbb]Yb`ni`k`YfXYb`Xfc`\\h`  
HUhg`ÄW`]W`VYUi`Zg]W`h][ h`X]Y`i`G`7ca`a`cX]hm`i`i`hi`fYg`HfUX]b[  
7ca`a`]gg]cb`gY]h`ZUgh`XfY]`\\`\\`fYb`X]Y`fY[ i`]YfhYb`A`Äf`\_hY`ZØf  
?fmdhc!8Yf]j UhY`a`]h`DfcXi`\_hYbž'X]Y`Y]bY`ni`j`Yf`Ägg][ Y  
6Yk`Yfhi`b[ g[ fi`bX`U[ Y`V]YhYb`"8]YgY`A`Äf`\_hY`g]bX`gck`c`\\`ZØf  
Df]j`UhUb`Y[ Yf`U`g`Ui`W`ZØf`d`fcZYgg]cbY`Y`5b`Y[ Yf`ni`[ Äb[ `]W`"

⇒Y]bYf`VY[ fØ»Yb`gk`YfhYb`9b`hk`]W`\_i`b[ `\\Uh`g]W`X]Y`Vf]h]gWXY  
FY[ ]Yfi`b[ `ni`J`c`fgW`Ä[ Yb`VYfUhYbž'X]Y`:`ÖfXYfi`b[ `VYgh]a`a`hYf  
5fhYb`j`cb`?fmdhc!5ggYhg`]b`XYb`:`Y`hi`b[ gVYfY]W`VYghY`\\YbXYf  
FY[ Y`b`ni`Vf]b[ Yb`]b`Y]bYa`c`ZYbg]W`h]WXYb`6Ya`Ø`Ybž'XYb  
⇒Zc`fa`Uh]cb`gZi`gg`i`bX`X]Y`HfUbgdUfYbn`ni`Yf`\\`Ö`Yb`"

8]Y`FY[ i`]Yfi`b[ gVY`\\ÖfXY`\\Uh`\_Øfn`]W`\_Ui`W`Y]bY`bYi`Y  
⇒j`YghGa`Ufh`!`?`Ua`dU[ bY`[ YghUfhYhž'X]Y`XYb`J`YfVfUi`WXYfb  
\\Y`ZYb`gc`ž`Zi`bX]YfhYfY`5b`U[ YYb`hgWXY]Xi`b[ Yb`ni`hfYZZYb`i`bX`Y]b  
F]g]\_cVYk`i`ggghY]b`]bgVYgcbXYfY`VY]`Øb[ YfYb`?fmdhc!⇒j`Yghc`fYb  
ni`gW`UZZYb`"

8]Y`:`75`i`bhYf`gi`W`h`Ui`W`X]Y`a`Ö[ `]WXY`5i`ZbU`\\a`Y`j`cb`?fmdhc!

5ggYhg]b`X]Y?UhY[cf]Y`<][\`F]g\_`#j Ygha Ybh ž`X]Y  
j Yfa Ò[ YbXYfYb`i bX`[ i h`VYfUHbYb`5b`Y[ Yfb`ni f`J YfZØ[ i b[  
ghY`h`8 Uni`[ Y\ ÒfYb`UbXYfY`J Yfa Ò[ Ybgk YfhY`k ]Y`b]W`h`gc Zc fh  
j YfÀi » YfvUfY`K YfhUd]YfYž`DYfY!hc!DYfY!J YfY]bVUfi b[ Yb`i bX  
gdY\_i`Uh]j Y`j`]ei ]XY`K YfhUd]YfY"

7fmdhcI ?`UfVY]hYh`Yb[ `a ]h`XYf` : 75`ni gUa a Yb`i bX`i bhYfghØhnh  
#h]Uh]j Ybž`X]Y`XUfUi Z`UVn]Y`Ybž`J YfvfUi W`Yf`]b`XYf  
F]g]\_cVYk Yfhi b[ `i bX`<Yfj cf\YVi b[ `\_fmdhcgdYn]Z]gW`Yf  
#j Ygh]h]cbgbi UbW`b`Ui Zni \_`ÀfYb"

9g`VYghY`h`YXcW`Y]b`Ui g[ Yk c[ YbYg`J Yf\`À`hb]g`nk ]gW`Yb`XYa  
GW`i hn`XYf`GW`k UW`Yb`i bX`XYf`5bYf\_Yb`bi b[ `XYf`k UW`gYbXYb  
B UW`ZfU[ Y`bUW`fY[ i`]YfhYb`? fmdhcdfcXi \_hYb`Xi fW`[ i h  
]bZcfa ]YfhY`Df]j UhUb`Y[ Yf"

Hfc hn`fY[ i`Uhcf]gW`Yf`<]bXYfb]ggY`k ÀW`gh`XYf`5ddYh]h`Vf]h]gW`Yf  
Df]j Uh\_i bXYb`Ui Z`? fmdhc`k Y]hYf`"8]Y` : 75`gW`Àhnhž`XUgg`X]Y`NU\`  
XYf`J YfvfUi W`Yfž`X]Y`? fmdhck À\fi b[ Yb`VYg]hnYbž`]b`XYb`%&  
A cbUhYb`V]g`# b]`&\$&%`Ui Z`ž` `A ]`]cbYb`[ Ygh]Y[ Yb`]gh` `j cb` ž`  
DfcnYbh`Ui Z(` ž(` DfcnYbh`XYf`9fk UW`gYbYb`]b` ; fc» Vf]hUbb]Yb"

K ]f`gc``hYb`Y]b`fY[ i`Uhcf]gW`Yg` ; `Y]W`[ Yk ]W`h`ZØf`? fmdhc!  
#j Ygh]h]cbYb`Z]bXYbž`XUg`XUg`F]g]\_c`Ub[ Ya YggYb`a ]bXYfhž`UVYf  
X]Y`j ]Y`Yb`[ YgY`gW`UZh`]W`Yb`J cfhY`Yž`X]Y`? fmdhc`ZØf  
Df]j UhUb`Y[ Yf`Vf]b[ Yb`\_Ub`bž`b]W`h`Yfgh]W`hž`b]W`h`ni`Yhnh`X]Y  
A Ò[ `]W`\_Y]hž`VYhfÀW`h`]W`Yb`K c`\ghUbX`ni`gW`UZZYb"

#Ub`HU`m`c`f`]gh`8]fY`\_hcf`j cb`7fmdhc`I ?ž`Y]bYa`6fUbW`Yb] YfvUbX

E i Y`Y. : ]bUbW]U`H]a Yg

6Ygi WXYb'GjY'i bg'Ui Z' \_fmdhc!bYk g"Uh