

K Ug ]gh'X]Y'; YgW\ ]W\ hY ž'6`c W\_ W\ U]b! Hc fm3

@Ub[ 'A\ f][ Y'5`d\ Uj ]`Y!@YgYf'k YfXYb'g]W\ 'XUfUb'Yf]bbYfbž  
XUgg'k ]f'ja 'š\ f'&\$%, ž'bUW\XYa 'Y]b'VYgh]a a hYf  
?UV]bYhnga ]b]ghYf' 'XUa U`g'bi f'Y]b' ]b' ]b[ bUXY' [ YZU`YbYf  
Hc fm!5V[ YcfXbYhYf' 'j cb'nk Y]'9fbYbbi b[ Yb' ]a  
Ni gUa a Yb\Ub[ 'a ]h'XYf'6`c W\_ W\ U]b!HYW\bc`c[ ]Y  
ni fØW\_[ YhfYhYb'k Ufž'U`g'k ]f'Y]b' [ Y\Y]a Yg'? fmdhc!DUm!8YU`  
YbhXYW\_hYbž'Yg'ZØf'Ub[ YVfUW\h'\ ]Y'hYbž'Y]bY'GYf]Y'ni  
]b]h]YfYb'a ]h'XYa 'H]hY`' K Ug ]gh'X]Y' Hc fm! ? fmdhc!  
; YgW\ ]W\ hY 3 'fB ]YgYf'H]hY`'k ]fX'G]Y'UbgdFYW\Ybž'k Ybb'G]Y  
ØVYf'' \$'š\ fY'U'h'i bX'Vf]h]gW\ 'g]bX"Ł:8 UbUW\ 'Y]W\ hY  
JYf'Y[ Yb\Y]h'ZØf'XYb'JYf\_Y\fga ]b]ghYf'A ]W\ UY`'; fØb'; fUbh  
G\Uddgž'XYf'Hc fm! ? fmdhc!Ni [ 'hi W\_Yfh'ZfØ\` ]W\ 'k Y]hYf''8 U  
k Uf'XYf'gdY\_hU\_i `ÄfY': `cd'XYg'? fmdhc!Dfc'Y\_hg'9E I =j cb  
Hc fm!6UfcbYgg'A cbY/XU'k Uf'XYf'XUa U`][ Y' / Ua d^Y` ]d/

@Ub[ 'A\ f][ Y'5`d\ Uj ]`Y!@YgYf'k YfXYb'g]W\ 'XUfUb'Yf]bbYfbž'XUgg  
k ]f'ja 'š\ f'&\$%, ž'bUW\XYa 'Y]b'VYgh]a a hYf'?UV]bYhnga ]b]ghYf'  
XUa U`g'bi f'Y]b' ]b' ]b[ bUXY' [ YZU`YbYf'Hc fm!5V[ YcfXbYhYf' 'j cb  
nk Y]'9fbYbbi b[ Yb' ]a 'Ni gUa a Yb\Ub[ 'a ]h'XYf'6`c W\_ W\ U]b!  
HYW\bc`c[ ]Y'ni fØW\_[ YhfYhYb'k Ufž'U`g'k ]f'Y]b' [ Y\Y]a Yg'? fmdhc!  
DUm!8YU`YbhXYW\_hYbž'Yg'ZØf'Ub[ YVfUW\h'\ ]Y'hYbž'Y]bY'GYf]Y'ni  
]b]h]YfYb'a ]h'XYa 'H]hY`' K Ug ]gh'X]Y' Hc fm! ? fmdhc!; YgW\ ]W\ hY 3  
fB ]YgYf'H]hY`'k ]fX'G]Y'UbgdFYW\Ybž'k Ybb'G]Y'ØVYf'' \$'š\ fY'U'h'i bX  
Vf]h]gW\ 'g]bX"Ł'

8 UbUW\ 'Y]W\ hY'JYf'Y[ Yb\Y]h'ZØf'XYb'JYf\_Y\fga ]b]ghYf'A ]W\ UY`-  
-fØb'; fUbh'G\Uddgž'XYf'Hc fm! ? fmdhc!Ni [ 'hi W\_Yfh'ZfØ\` ]W\ 'k Y]hYf''  
8 U'k Uf'XYf'gdY\_hU\_i `ÄfY': `cd'XYg'? fmdhc!Dfc'Y\_hg'9E I =j cb'Hc fm  
6UfcbYgg'A cbY/XU'k Uf'XYf'XUa U`][ Y'?Ubn`Yf'D\ ]`d

GdFYUXg\YYh '<Ua a cbXž'XYf'6`c W\_ W\ U]b'U`g'Y]bZUW\Y'@Øgi b[  
ZØf'XUg ]f]gW\ Y'; fYbndfcV`Ya 'VYk UfV'/J cf'\_i fnYa 'dfYX][ hY'XYf

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

9 g `] g h ` b] W X h ` b i f ` ? f m d h c / Y g `] g h ` U i W X ` V ` c W \_ W X U] b ` " ` ð ` Y] b Y a  
B c j Y a V Y f ! 6 Y f] W X h ` a ` ] h ` X Y a ` H] h Y ` ` 6 ` c W \_ W X U] b ` ð X i g h f m] b ` h \ Y ` l ?  
@ U b X g W U d Y ` C j Y f j ] Y k ` & \$ % ` j c b ` ` ð b c j U h] c b ` 9 m Y ` i b X ` X Y a ` ` 6] [  
ð b c j U h] c b ` 7 Y b h f Y ` k ] f X ` X] Y ` @] Y V Y g U Z Z Å f Y ` X Y f ` F Y [ ] Y f i b [ g d U f h Y]  
a ` ] h ` U ` ` Y b ` 8] b [ Y b `] a ` N i g U a a Y b \ U b [ ` a `] h ` X Y a ` j Y f h Y] ` h Y b  
H f U i a V i W X `] b ` X Y b ` ` Y h h Y b ` Z Ø b Z ` ð \ f Y b ` U i Z [ Y n Y] W X b Y h ` ` 9 g `] g h ` Y] b  
g W X Ø b Y g ` i b X ` d c `] h] g W X `] b Z c f a U h] j Y g ` 8] U [ f U a a ` . `

G W X U i ` X] f ` b i f ` X] Y g Y g ` V ` U i Y ` A Y Y f ` U b ` ` K Y b b ` G] Y ` g] W X ` Ø V Y f ` X Y b  
f c h Y b ` 6 ` c W \_ `] b ` X Y f ` n k Y] h Y b ` N Y] ` Y ` k i b X Y f b ž ` X U g `] g h ` 7 \ `] C b k i f U \ ž  
@ J V c i f ! 5 V [ Y c f X b Y h Y f ` Z Ø f ` B Y k W U g h ` Y ` l d c b ` H m b Y ` 7 Y b h f U ` ž ` X Y f  
Y] b Y b ` < ] b h Y f [ f i b X `] b ` H Y W X b c ` c [ ] Y ` \ U h ` ` 5 V Y f ` k Y b b ` G] Y ` 6 ` c W \_ W X U] b  
Y f k Å \ b h ž ` V Y X Y i h Y h ` X U g ž ` 8] b [ Y ` n i ` g U [ Y b ` k ] Y . ` : Ø f ` a U b W X Y `] g h  
6 ` c W \_ W X U] b ` Y] b Y ` A Ø [ `] W X \_ Y] h ž ` F Y [ ] Y f i b [ Y b ` n i ` i a [ Y \ Y b ` ž i b X  
X U g g ` X] Y ` `] V Y f h Å f Y ` ð X Y Y ž ` X U g g ` H Y W X b c ` c [ ] Y ` X] Y ` 5 b h k c f h ` U i Z U ` ` Y g

]ghž'i bgYfYb'FY[ i `]Yfi b[ gUbgUhn'ni `Ub[ Y'j cfUb[ Yhf]YVYb'\Uh "  
A i g]\_ZØf'i bgYfY '@ XX]hY '@ XX]hYgž'hV\"

5i ZXYf'UbXYfYb'GY]hY'XYf'? Ua a Yf'[ ]Vh'Yg'YXcW'Y]bY'bYi Y  
? fmdhc!D'UmU ]b'XYf'GhUXh"l bX'XYf'bYi Y'J YfZYW'hYf'j ]fhi Y''Yf  
K Å\fi b[ Yb']gh\_Y]b'UbXYfYf'U`g'XYf'? Øb][ 'XYf'j ]fhi Y''Yb'HfÅbYb  
\ØW'ghdYfgØb`]W'ž'<Yff'A Uhh\Yk' < UbW'W\_ž'Y]b'Y\Ya U`][ Yf  
? UV]bYhhga ]b]ghYf'i bX'Yhnh'bi f'bcW'Y]b']b'l b[ bUXY'[ YZU''YbYf  
Hcfm!5V[ YcfXbYhYf'fG]Y'k YfXYb'j ]Y''Y]W'h'Y]b'H\Ya U'VYa Yf\_YbŁ"

A ]h'? fmdhc' ]bg'6Yhh'ni '[ Y\Yb']gh  
'YVYb'gk ]W'h][

B UWXYa 'Yf'bUW'Y]bYf'5ZÅFY'a ]h'Y]bYa '5gg]ghYbhYb'j cb  
gY]bYa 'æV'U`g'; Ygi bX\Y]hga ]b]ghYf'ni fØW\_[ YhfYhYb']ghž'gW'Y]bh  
Ygž'XUgg'i bgYf'A Uhh'gY]bYb'6`]W\_'Ui Z'\Ø\YfY'8]b[ Y'[ Yf]W'hYh'\Uh"  
HUhgÅW`]W'gc'Yf\UVYbž'XUgg'a Ub'gU[ Yb'\_ØbbhYž'Yf']gh'Ui Z'XYa  
K Y[ 'ni a 'A cbX' 'XYf'A D'ZØf'XYb'U\_hi Y''Yb'[ Yd]bbhYb'Hk YYh'j cb  
K Ygh'Gi Zc`\_]gh'XYf'Zc`[ YbXY.'`

9g ]gh'j cb'YbhgW'Y]XYbXYf'6YXYi hi b[ ž'XUgg  
; fc» Vf]hUbb]Yb'X]Y'<Y]a Uh'bYi Yf'æbcj Uh]cbYb'k ]Y  
: ]bhYW' 'i bX'? fmdhc k Å\fi b[ Yb'k ]fX"

A Y]b'HY]'Xf]b'4 7]hm5A ' ; fc» Vf]hUbb]Yb'ni a  
]bhYfbUh]cbU'Yb'NYbhfi a'ZØf': ]bUbn]bbcj Uh]cbYb'bUW  
XYa '6fYI ]h'ni 'a UWYb' \hhdg.##"W'#[ Wdi ]; 6l %N

'A Uhh'< UbW'W\_ f4 A Uhh< UbW'W\_Ł'&+'>]Ubi Uf'&\$&&

8 Ug']gh'f]W'h][ "'@Ui h'< UbW'W\_'gc`hY'; fc» Vf]hUbb]Yb'b]W'h'bi f'X]Y  
VYfØ\ a h!VYfØW'h][ hY'i bX'ghUV]Y'K Y'h'XYf'? fmdhc k Å\fi b[ Yb  
UbbY\ a Ybž'gcbXYfb']\bYb'hUhgÅW`]W' 'ni '<Ui gY' 'k YfXYbž'k Ug  
Ui W' ]a a Yf'XUg'VYXYi hYb'a U[ "'`

5i g'gY]bYa 'GhØW\_.'

>XY`nk Y]hY`K YfVi b[ `Ui Z`XYf`Hi VY`gW`Y]b`h`ZØf  
? fmdhc k Å\ fi b[ `ni `gY]b""; fc» Vf]hUbb]Yb`gc`hY`XYf  
bUhØf`]W`Y`C fh`gY]bž`i a `bYi Y`A Åf`hY`k ]Y`X]YgYb`ni  
Yb`hk ]W`Y`b` `a ]h`Y]bYa ``]VYfU`Ybž`Zc fhgW`f]h`h`]W`Yb  
FY[ i `]Yfi b[ ggmg`hYa ž`XUg`X]YgY`fUX]\_U`Y`bYi Y` ðbcj Uh]cb  
[ YXY]\Yb` `Àgghi bX`Yg`XYb`A YbgW`Yb`Yfa Ò[ `]W`hž`]fY  
Y][ YbYb`F ]g]\_Yb`Y]bni [ Y\Yb`""""

K ]f`VfUi W`Yb`Y]b`9b[ U[ Ya Yb`h`ZØf`Y]b`Zc fhgW`f]h`h`]W`Ygž  
`]VYfU`Yg`l a Z`X`ZØf` : ]b`hYW`ž`Y]b`gW` `Y» `]W`  
? fmdhc k Å\ fi b[ Ybž`XUg`Yfa Ò[ `]W`h`Yg`XYb`A YbgW`Ybž  
]\f`Y][ YbYg` ; Y`X`b`UW` `6Y`]YVYb`Ubni `Y[ Ybž`gc`j ]Y`  
ni `j YfX]YbYb` `cXYf`ni `j Yf`]YfYb` `k ]Y`g]Y`k`c`Yb`"  
K ]f`a ØggYb`a cXYfbY`HYW`bc`c[ ]Yb`bi`h`Ybž`i a `XUg  
@YVYb`XYf`A YbgW`Yb`Y]b`ZUW`Yf`ni `a UW`Yb` `ni a `6Y]gd]Y`  
NU\`i b[ Ybž`]bgVYgc`bXYfY`]b`hYfbUh]cbU`Y`NU\`i b[ Ybž  
Y]b`ZUW`Yf`i bX`V`]`][ Yf`ni `a UW`Yb`"

»J`\_ca a `gW`cb`FY[ `Yf`K Ufi a `k ØfXYb`G]Y`j Yfgi W`Ybž`X]Y`@Yi`hY`  
XUj`cf`ni `gW`Øh`Ybž`]f`[ UbnYg` ; Y`X`ni `j Yf`]YfYb`3`9g`[ ]Vh  
K YfVi b[ `Ui Z`XYf`F Ò\ fYž`C?`3`8]YgYg`NYi [ `a`i`gg`YW`hgY]b`"

9f`ZÅ\fh`Zc`fh`

; fc» Vf]hUbb]Yb`gc`hY`X]YgY`J`Yf`Åb`XYfi b[ Yb`VY[ fØ» Ybž  
UbbY`a Yb`i bX`Ub`ZØ\`fYb`"5VYf` ð`XYb` `Y`h`h`Yb` »J\`fYb  
]gh`i b`gYf`J`c`fgd`fi b[ `]a` ` : ]b`hYW`!6YfY]W` `Ui Z`Y]b`Y  
fYU`\_h]cb`ÅfY`F ]g]\_c`Uj`Yfg]cb`VY]`XYb  
5i`Zg]W`hgVY\`ØfXYb`[ Yg`hc» Yb`"

GhUhhXYggYb`a ØggYb`k ]f`XYb`K UbXY`UbbY`a Yb`i bX`]\b  
b]W`h`ZØf`W`hYb`"8`Ug`\Y]ggh`X]Y`9]b`ZØ\`fi b[ `Y]b`Yg

F Y[ i `]Yfi b[ ggmghYa gž'XUg`X]Y`A YbgWk Yb`gWk Øhnhž  
]bgVYgcbXYfY`j cf`gmghYa ]gWk Yb`F ]g]\_Yb"

Ÿ\ a ž'g]bX`Yg`bi f`k ]f`cXYf`k ]XYfgdf]Wk h`XYf`YhnhY`GUhn`Xcfh`Y\Yf  
XYa`j cf\Yf][ Yb`5VgUhn3`K ]Y`\_Ubb`< UbWk W`Ui Z`Y]b  
F Y[ i `]Yfi b[ ggmghYa`XfÅb[ Ybž'XUg`A YbgWk Yb`gWk Øhnh i bX`j cf  
gmghYa ]gWk Yb`F ]g]\_Yb`gWk Øhnhž i bX`[ `Y]Wk nY]h][ `Ui Z`Y]bYb`k Yb][ Yf  
f]g]\_cUj YfgYb`F Y[ i `]Yfi b[ gfU\ a Yb`ZØf`:]bhYWk`XfÅb[ Yb3`

⇒ gY]bYa`? ca`a YbhUfY`ni`? fmdhc`i bX`:]bhYWk`]a

DUf`Ua Ybh`9]b`dUUf`HU[ Y`ni j cf`k Uf`< UbWk W`bcWk`k Y]hYf  
[ Y[ Ub[ Yb`i bX`\UhhY`Yf`\_`Åfh`

B UWk`XYa`6fYI ]h`\Uh; fc»Vf]hUbb]Yb`X]Y`7\ UbWk ž`X]Y  
<Y]a Uh] cb`:]bhYWk`ni`k YfXYbž`X]Y`b]Wk h`bi f`Y]b  
K ]fhgWk UZnga`chcf`gY]b`\_Ubbž`gcbXYfb`Ui Z[ fi bX`XYf`XUa`]h  
j YfVi bXYbYb`HfUbgdUfYbn`XUni`VY]hfU[ Yb`\_Ubbž`6Yhfi [   
i bX`:]bUbn`\_f]a ]bU`]hÅh`Y]bni XÅa`a Yb"

Bi bž`k ]f`a ØggYb`Y\ f`]Wk`gY]b.`8]Y`6Y\_Åa`dZi b[ `j cb`6Yhfi [ `i bX  
:]bUbn`\_f]a ]bU`]hÅh`g]bX`b]Wk h`[ Ubnt`X]Y`YfghYb`8]b[ Yž`X]Y`i bg`]b  
XYb`G]bb`\_ca`a Ybž`k Ybb`k ]f`Ub`? fmdhc`i bX`:]bhYWk`XYb`\_Ybž`UVYf  
k ]f`XYb`\_Ybž`k ]f`gc`hYb`X]YgYa`A Ubb`]a`Nk Y]ZY`gZU`ni gh]a`a Yb"

5VYf`U`X]YgY`? fmdhc!`i bX`:]bhYWk!`i bX`6`cW`Wk U]b!GWk`]]b[ `Yf  
gU[ hY`XYa`9I dfYgg`YhnhY`K`cWk Yž`XUgg`6`cW`Wk U]b`Y]b`VfY]hYg  
5bk YbXi b[ ggdY`\_hfi a`]b`6Yni [ `Ui Z`g]Wk YfY`J YfhfÅ[ Y`i bX  
[ fØ»YfY`HfUbgdUfYbn`UVY`]]Y»Yb`i bg`ZfU[ Ybž`k Ug`cg`gY]"`< Uh  
< UbWk W`bi f`gY]bY`hYWk b]gWk Yb`E i U`]Z[\_Uh]cbYb`i bhYf`6Yk Y]g  
[ YghY`hž`VYj cf`Yf`g]Wk`Ui Z`Y]bYb`@Ui Z`Ub`XYf`Gd]hnY`]b`Y]bYf`Dcgh  
6cf]g]Ni`\_i bZh] cfVYfY]hYh3`<UhhY`Yf`Y]bYb`X]YgYf`VYei Ya`Yb  
? fmdhc!`æVg`]a`5i [ Yž`X]Y`<Ua`a cbX`\_Øfn`]Wk`[ Y`UbXYh`\UhhY3

CXYf'k Uf'XU'bcW'k Ug'XfUb3

## 6`cW\_WX U]b!6fØXYf`

5i Zi bgYfYf'Gi WXY'bUWX'Y]bYf'5bhk cfh'gh]Y» Yb'k ]f'Ui Z'XUg  
@]b\_YX]b!DfcZ]'j cb'A Uhg'6fi XYf'7\fg"9g'ghY'h'g]WX'\YfUi gž'XUgg  
Yf'XYf'; fØbXYf'i bX'79C'Y]bYf': ]bhYWX!: ]fa U'bUa Ybg  
7fck X&; i bX' ]ghž'Y]bYa 'DYYf!hc!DYYf!fYX]hi bhYfbY\ a Ybž'XUg  
VY\Ui dhYhž' Y]bY'bYi Y'; YbYfUh]cb'j cb' ðj Ygh]h]cbYb'Ubni V]YhYbž  
i a 'Y]bYb'\_i 'hi fY''Yb'K UbXY''k Y[ 'j cb'XYb'hfUX]h]cbY''Yb  
6Ub\_YbgmgHya Yb'j cfUbni hfY]VYb "'8Yf'; i UfX]Ub'\Uh'VYfY]hg  
&\$%- 'ØVYf'X]YgYg'i bhYfbY\ a Yb' [ YgWXf]YVYb'i bX'VYf]WX'hYhž'XUgg.

5`g'GhUUhga ]b]ghYf'ZØf': Å\[\_Y]hYb'i bX'l bhYfbY\ a Yb'ja  
ſ\ f'&\$%' 'UfVY]hYhY'A Uhh'< UbWcW\_]b'XYf  
FY[ ]Yfi b[ gUVhY]'i b[ ž'X]Y'ZØf'X]Y'9]bf]WXhi b[ 'XYg  
FY[ i 'Y]fi b[ gfU\ a Ybg'ZØf'7fck XZi bX]b[ 'j YfUbhk cfh]WX  
k Uf"

æa 'ſ\ f'&\$%' 'gU[ hY'A Uhh'< UbWcW\_] [ Y[ YbØVYf'XYa  
l bhYf\Ui g.' K ]f'i bhYfghØhnYb'7fck XZi bX]b[ 'Z]bUbn]Y''ž  
b]WXhini 'Ymh'Xi fWX'X]Y'bYi Y'; YgWX ÅZhgvUb\_ž'UVYf'k ]f  
ghY''Yb'Ui WX'g]WX'Yfž'XUgg'Yg]'b'Y]bYa 'ei U'hUhj  
\cWXk Yfh][ Yb'F U\ a Yb'Zi b\_h]cb]YfYb'\_Ubb""""

6Y]'Y]bYf'UbXYfYb'; Y`Y[ Yb\Y]h'ZcfXYfhY'A Uhh'< UbWcW\_  
Y]bYb'UbXYfYb'5V[ YcfXbYhYb'Ui Zž' g]WX'Ui WX'a ]h'DYYf!hc!  
DYYf!:]bUbn]Yfi b[ Yb'ni 'VYZUggYbž'cV'9][ Yb\_Ud]hU'cXYf  
8Uf'Y\Ybž'XU'X]Yg'Y]b'\_Y]bYfž'UVYf'k UWX'gYbXYf'HY]'XYg  
A Uf\_hYg']ghž'Ui Z'XYb'l bhYfbY\ a Yb'gWX'Ui Yb'\_ØbbYbž  
k Ybb'g]Y'j Yfgi WX'Ybž'Ni [ Ub[ 'ni ': ]bUbna ]hhY'b'ni  
Yf\U'hYb ""

< UbWcW\_g'8fÅb[ Yb'k Uf''Ui h'< UbgUfX'ja 'C\_hcVYf'&\$%' "'@Ui h  
7\fg'< UbWcW\_g'@]b\_YX ð!'i bX'7ca dUb]Yg'< ci gY!5i ZhY]WX'bi b[ Yb

k i fXY`7fck X&: i bX`bi f`k Yb][ Y`A cbUHY`gdÅhYf`[ Y[ fØbXYH"

I bX`7fck X&: i bX`]gh`b]WÅh`7\`f]g`< UbWŁW\_g`Y]bn][ Yf`J c fghc»`]b`X]Y  
K Y`h`XYf`:]bhYWÅ`Yf`\Uh`Ui WÅ`gY]bY`:]b[ Yf`]a`6`cW\_WÅU]b!  
?i WÅYb`"9f`\Uh`Y]b`I bhYfbY\`a Yb`bUa Ybg`:]bV`cW\_gž`Y]b  
[ `cVU`Yg`G]WÅYf\`Y]hg!ž`7ca`d`]UbW!ž`9]bnU\`i b[ g!`i bX  
NU\`i b[ ggmgHYa`ž`XUg`?i bXYb`Yfa`Ò[ `]WÅhž`X]Y`J c fHY`Y`XYf`  
6`cW\_WÅU]b`Y]bZUWÅž`Y]WÅhi bX`Ui Z`\_cbZcfa`Y`K`Y]gY`ni`bi`hnYb`"

⇒`j`Yf[ Ub[ YbYb`5df]`k i fXY`A Uhh`< UbWŁW\_`j`cb`@UVci`f`XYf`  
J`YhhYfbk`]fhgWÅUZh`VYgWÅi`X][`hž`bUWÅXYa`Yf`Yf`\_`Åfh`\UhYž`XUgg  
Yf`Y]bY`%)!dfcnYbh][`Y`6YhY`][`i b[ `Ub`Hcdk`ccX`@]a`]hYXž`Y]bYa  
ni`[`Y`UggYbYb`@]YZYfUbhYb`XYg`B<G`9b[ `UbXž`VYg]hnY`"< UbWŁW\_g  
GWÅk`YghYf`9a`]m`:]fi`h\`k`]fX`]a`7ca`dUb]Yg`<ci`gY`U`g`8]fY`\_hcf]b  
XYg`I`bhYfbY\`a Ybg`[`YbUbbh"

K`]f`\UVYb`A Uhh`< UbWŁW\_`[`YZfU[`hž`cV`Yf`[ `Ui`Vhž`XUgg`Yg  
Ub[`Yg]WÅhg`XYf`5fVY]higY]bYg`6fi`XYfg`Y]bYb`ϕ`hYfYggYb`\_cbZ]\_h  
[`]Vhž`k`Ybb`Yf`g]WÅ`ZØf`X]Y`6YgY]h][`i b[ `j`cb`<]bXYfb]ggYb`ZØf`X]Y  
:]bhYWÅ!ϕ`Xi`ghf]Y`i bX`ZØf`?fmdhc!`i bX`6`cW\_WÅU]b!Dfc`Y`\_hY  
Y]bgYhnh`K`]f`ZfU[`hYb`]\`b`Ui`WÅž`cV`Yf`Y]bYb`?ca`a`YbhUf`ni`a  
NY]hdi`b`\_h`XYf`:]fØbXi`b[ `j`cb`7fck X&: i bX`\`ÅhhY`"

9]b`GdfYWÅYf`XYg`A`D`gU[`hY`i`bg.`

K`]Y`XYf`:]H`Yf`\_`Åfh`k`i`fXYž`]gh`X]YgY`ZU`\_hYb`c`gY  
I`bhYfghY`i`b[ `Y]bYg`:]Y\`j`Yf`\U`hYbg`b]WÅh`bi`f`ZU`gWÅ`i`bX  
i`bVY[`fØbXYhž`gcbXYfb`Ui`WÅ`dY]b`]WÅ`"A`Uhh`j`YfZØ[`h`ØVYf  
Y]bY`Ub[ `Å`\f][`Y`9I`dYfh]gY`]b`X][`]hU`Yb`5b[`Y`Y[`Yb\`Y]hYb  
i`bX`X]Y`⇒`YYž`XUgg`Yf`b]WÅh`ØVYf`Yhk`Ug`gdYfWÅYb`gc`hYž  
j`cb`XYa`Yf`XYhU]`Y]fHY`?Yb`bh]ggY`\Uhž`k`Y]`gY]b`6fi`XYf  
I`bhYfbY\`a`Yf`]ghž`]gh`Y]bXYi`h][`UVgi`fX`"8`Ug`]gh  
i`bVY[`fØbXYhY`GdY`\_i`Uh]cbž`\_Y]b`æ`i`fbU`]ga`i`g

I`bg`k`i`fXYb`XUbb`nk`Y]`U`\_hi`U`]g]YfhY`J`Yfg]cbYb`XYg`?ca`a`YbhUfg

ni [ YgWk ]W\_hž'X]Y'XYb' dY]b`]Wk Yb 'HY]'i bX'XYb' i bVY[ fØbXYhYb  
GdY\_i `Uh]cbghY]' `YbhZYfbhYb'i bX'\]bni ZØ[ hYbž'XUgg' < UbWłW\_`Y]b  
7\Ua d]cb'XYf': ]bhYWk `gY]ž'UVYf'k ]f'VYj cfni [ hYb'XUg'C f][ ]bU''

K ]f'j YfghY\Ybž'XUgg'A Uhh' < UbWłW\_`k YXYf']b'? fmdhc' ]bj Ygh]Yfh  
bcWk `]f[ YbXY]b' Z]bUbn]Y''Yg' ðhYfYggY `Ub'XYb': ]bhYWk!  
I bhYfbY\`a Yb'gY]bYg'6fi XYfg'\Uh''

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

8YhU]`g

6Ygi Wk Yb'G]Y' i bg'Ui Z. '\_fmdhc!bYk g"Uh