

≠bbcj Uh]j Y '@Øgi b[ '[ Y[ Yb 'HfcW\_Yb\Y]h.  
D`Ub gW VYW\_Yb` ]b`A Ubb\Y]a Yf`? ]fW X Y

9]bY`A Ubb\Y]a Yf`; Ya Y]bXY`gW Øhnh`]\fY`?]fW Ybcf[ Y`j cf  
HfcW\_Yb\Y]h'a ]h'D`Ub gW VYW\_Yb` `Y]bY`]bbcj Uh]j Y '@Øgi b[  
[ Y[ Yb`GW`ÀXYb"

8]Y`XfØW\_YbXY`<]hny`b]a a h`b]W`h`bi f`XYb`A YbgW`Yb`i bX`H]YfYb  
ni`gW`UZZYbž`gcbXYfb`gYhnh`Ui W`X`Yb`U`hYb`?]fW Ybcf[ Y`b  
Yf\YV`]W`ni "'6YgcbXYfg`]b`hfcW\_YbYb`Gca a Yfa`cbUhYb`a ØggYb  
a UbW`Y`; Ya Y]bXYb`\_fYUh]j Y '@Øgi b[ Yb`Yb`hk ]W\_Y`bž`i a`]\fY  
k Yfhj`c`Yb`a i g]\_U`]gW`Yb`≠ghfi a YbhY`ni`gW`Øhnyb"'9]bY  
]bbcj Uh]j Y`≠]h]Uh]j Y`\_ca a h`Ui g`Y]bYf`A Ubb\Y]a Yf`; Ya Y]bXYž  
X]Y`Ub`\Y]»Yb`HU[ Yb`D`Ub gW VYW\_Yb` ]b`XYf`?]fW Y`Ui ZghY`h"

8]Y`J YfUbhk`cfh`]W`Yb`XYf`Yj Ub[ Y`]gW`Yb`A Uf`\_i`g!?]fW Y`\UVYb  
ZYgh[ YghY`hž`XUgg`X]Y`hfcW\_YbY`K`Àfa Y`Yf\YV`]W`Y`GW`ÀXYb`Ub  
XYb`Cf[ Y`b`j Yfi fgUW`Yb`\_Ubb"'K`Ybb`XUg`≠ghfi a Yb`hi bhYf`ni  
hfcW\_YbYb`6YX]b[ i b[ Yb`Y]XYhž`\_ca a h`Yg`cZh`ni`\UfhYbž  
hfcW\_YbYb`; Yf`Ài`gW`Ybž`gY`Vgh`VYj`cf`Y]bY`Y]bn][ Y`HUghY`[ YXfØW`h  
k i fXY"'8Ug`DfcV`Ya`Y]Y[ h]a`j Yfk`YbXYhYb`<c`nž`XUg`g]W`Xi`fW  
X]Y`K`]hYfi b[ ]j`fn]Y`h`cXYf`[ Uf`fY]»h"'8U`Yf`\_ØbbYb`]a  
gW`]a a ghYb`: U`X]Y`Cf[ Y`b`j`cfØVYf[ Y`YbX`i`bVfUi`W`VUF  
k YfXYb"

9]b`VYXYi hYbXYg`DfcV`Ya`ZØf`j ]Y`Y  
; Ya Y]bXYb

8cW`X]YgYg`D`Àbca`Yb`]gh`\_Y]b`9]bnY`ZU`"'A`Ufh]b`?`UfYgž`@Y]hYf  
XYg`Cf[ Y`!`i`bX`; `cW\_YbdfØZ] b[ gUa`hYg`XYf`9j`Ub[ Y`]gW`Yb  
@UbXYg\_]fW`Y`]b`6UXYbž`VYf]W`hYhž`XUgg`j`cb`XYb`fi`bX`-`\$\$`Cf[ Y`b  
]b`XYb`VUX]gW`Yb`Yj`Ub[ Y`]gW`Yb`?]fW`Yb`VYfY]hg`" `\$\$`[ YZ`\fXYh

g]bXž'k Å\fybX'%'\$XUj cb'ghUf\_`VYgWÅÅX][ h'k i fXYb"9]b'k Y]hYfYg  
6Y]gd]Y`']gh'X]Y`Yj Ub[ Y`]gWÅY'?'fWÅY'j cb'8Ui XYbnY``]a`BYW\_Uf!  
CXYbk U'X!?'fY]gž'k c'XUg'C f[ Y`]bghfi a Ybh'Ui Z[ fi bX'j cb'hfcW\_YbYf  
@] Zhi bX'a Ub[ Y`bXYf'K Ufhi b[ 'gY]h'ink Y]'Å\fyb'b]WÅ'h'a Y\ f  
[ Ygd]Y'h'k YfXYb'\_Ubb"8]Y`Yi cfV]hUbhYb'FYdUfUhi f\_cghYb'j cb  
' '\$\$\$\$V]g'( '\$\$\$\$9i fc'g]bX'ZØf'X]Y`\_Y]bY'; Ya Y]bXY'b]WÅh  
hfU[ VUf"

8]Y`@] ZhZYi WÅh][ \_Y]h'gd]Y`h'Y]bY`Yb'hgWÅY]XYbXY'Fc`Y'ZØf'XYb  
Ni ghUbX'XYf'C f[ Y'b"K Ybb'ni`j ]Y`k Ufa Y`@] Zhj cb'Ui » Yb  
\YfY]b[ Y`UggYb'k ]fXž'\_Ubb'X]Y': Yi WÅh][ \_Y]h'Ua`\_U'hYb'; Ya Åi Yf  
\_cbXYbg]YfYb"8]Yg'ZØ\fh'b]WÅh'bi f'ni`GWÅ]a`a Y`V`Xi b[ ž'gcbXYfb  
Ui WÅ'ni`Y]bYf'GWÅÅX][ i b[ `XYg'<c`na UhfY]U`gž'k Ug'Xi fWÅ`X]Y  
8ØffY`k Y]hYf'j YfgWÅÅfZh'k ]fX"≠cb]gWÅYfk Y]gY`nY][ Yb'a UbWÅY  
; Ya Y]bXYb'b]WÅh'XUg'bØh][ Y`6Yk i gghgY]b'ZØf'X]YgY`H\Ya Uh]\_ž  
k Ug'ni`Zc`[ YbgWÅk YfYb'GWÅÅXYb'Ub`] \fyb'C f[ Y'b'ZØ\fh"

## 9]b`\_fYUh]j Yf'5bgUhn`]b`A Ubb\Y]a

≈a` ; Y[ YbgUhn`XUni` \Uh'X]Y`A Uf\_i g!?'fWÅY`]b`A Ubb\Y]a`Y]bY  
cf][ ]bY`Y`5bhk cfh'Ui Z'X]Y`<YfUi gZcfXYfi b[ Yb'[ YZi bXYb"  
K Å\fybX'XYf'\Y]» YghYb'HU[ Y`XYg`YmhYb'Å\fyg'k i fXYb'hÅ[ `]WÅ  
V]g'ni` , \$@]hYf'K UggYf`]b`XYf'?]fWÅY'j YfhY]hž'i a`X]Y  
@] ZhZYi WÅh][ \_Y]h'\_Øbgh]WÅ'ni`Yf\Ø\Yb" `DZUffYf]b`A Ufh]bU`9[ Yb`Ui Z  
@]bbYf'Yf'Åi hYfhž'XUgg`@] ZhVYZi WÅhYf'ZØf'Y]bYb'gc`[ fc» Yb`FUi a  
k ]Y`X]Y`A Uf\_i g!?'fWÅY`a`]h`\* \$\$G]hd`ÅhnYb'i bYfgWÅk ]b[ `]WÅ  
[ Yk YgYb'k ÅfYb" `GhUhhXYggYb'k i fXYb'ZØbZ'D`UbgWÅVYW\_Yb  
Ui Z[ YghY`hž'k cVY]`]b`YXYa`6YW\_Yb`Y]b`Mcb[ !GhY]b`]bgHU`Yfh  
k i fXY"8Yf'?Ud]`UfYZZY`h'XYg'GhY]bg'ZØ\fh'XUni`ž'XUgg'K UggYf  
bUWÅ`cVYb'ghY][ h'i bX'X]Y`J YfXi bghi b[ gZÅWÅY'j Yf[ fØ» Yfh'k ]fXž  
k Ug'dcg]h]j Y`5i gk ]f\_i b[ Yb`Ui Z'X]Y`@] ZhZYi WÅh][ \_Y]h`\Uh"

≈b`X]YgYa`Å\fy'gWÅY]bYb'X]Y`A U» bU\`a Yb`V]g\Yf'b]WÅh'b'chk YbX][  
[ Yk YgYb'ni`gY]b" `BUWÅ`Y]bYa`bUggYb': fØ\Å\fy'\Uh'X]Y`C f[ Y`  
a Y\ f'j cb`XYf'j cf\UbXYbYb': Yi WÅh][ \_Y]h'dfcZ]h]Yfhž'U`g'i bhYf'XYa  
A Ub[ Y`ni`Y]XYb" `≈WÅ`V]b`gY`Vgh'C f[ Ub]gh]b'i bX'VY\U'hY`XUg  
[ YbUi`]a`5i [ Y`ž'gU[ h'9[ Yb`Ui Z]@]bbYf"

8]Y'j cb'XYf'A Ubb\Y]a Yf'; Ya Y]bXY'Yf[ f]ZZYbYb'A U» bU\ a Yb'g]bX  
Y]b'6Y]gd]Y''ZØf'9]bZU''gfY]W\hi a 'ja 'l a [ Ub[ 'a ]h'XYb  
< YfUi gZcfXYfi b[ Ybž'X]Y'XYf'? 'ja Uk UbXY'a ]h'g]W\ 'Vf]b[ h''8Ya  
HfYbX'bUW\ 'Y]bYf'k UW\gYbXYb'5bnU\''j cb'\Y]» Yb'i bX'hfcW\_YbYb  
HU[ Yb'gc''hYb'gc'W\Y'\_fYUh]j Yb'@Øgi b[ Yb'Zc'[ Ybž'i a 'XYb  
GW\ÅhnYb'XYf'? ]fW\Yba i g]\_ 'Ui W\ 'k Y]hYf\ ]b'Y]bY'Gh]a a Y'ni  
j Yf'Y]\Yb"

? fYUh]j ]hÅh']a '5b [ Yg]W\ h'XYf  
< YfUi gZcfXYfi b[

8]Y'A U» bU\ a Ybž'X]Y' ]b'XYf'A Uf\_i g!]?fW\Y'Yf[ f]ZZYb'k i fXYbž  
nY][ Yb'XYi h]W\ž'XUgg'Ui W\ '\_Y]bY'; Ya Y]bXYb'a ]h']bbcj Uh]j Yb  
≠XYb'Ui ZX]Y'6YXØfZb]ggY' ]\fYf'\ ]ghcf]gW\Yb'≠ghfi a YbhY  
fYU[ ]YfYb'\_ØbbYb''5bghUh'X]Y'DfcV'Ya Y'Y]bZUW\ '\ ]bni bY\ a Ybž  
[ fY]ZYb'X]Y'J YfUbhk cfh]W\Yb'ni 'Y]bYa 'i b\_cbj Ybh]cbY''Yb  
5bguhnž'XYf']b'UbXYfYb'; Ya Y]bXYb'U'g'A cXY''X]YbYb'\_ØbbhY''9g  
V'Y]Vh'UVni k UfhYbž'k ]Y'g]W\ 'X]Y'@ ZhZYi W\h][ \_Y]h]b'XYb  
\_ca a YbXYb'Gca a Yfa cbUhYb'Ybhk ]W\_Y'b'k ]fX'i bX'cV'UbXYfY  
? ]fW\Yb'X]YgYa '6Y]gd]Y''Zc'[ Yb'k YfXYb''8i fW\ 'Y]bY'dfcU\_h]j Y  
< YfUb[ Y\Yb'gk Y]gY'Ub'X]Y'< YfUi gZcfXYfi b[ Yb'XYf'\_]a Uh]gW\Yb  
6YX]b[ i b[ Yb'\_ØbbYb'X]YgY'; Ya Y]bXYb'X]Y'6YXYi hi b[ 'i bX'XYb  
9f\U'h']\fYf'a i g]\_U']gW\Yb'HfUX]h]cbYb'g]W\YfghY''Yb"

K ]W\ h][ Y'9f\_ Yb b hb]ggY'ØVYf'X]Y  
5i gk ]f\_i b[ Yb'j cb'HfcW\_Yb\Y]h'Ui Z'C f[ Y'b

8]Y'< YfUi gZcfXYfi b[ Yb'ZØf'? ]fW\Yb'cf[ Y'b']b'hfcW\_YbYb'Gca a Yfb  
g]bX'\_Y]b'bYi Yg'D\Åbca Yb''8]Y'a Y]ghYb'\ ]ghcf]gW\Yb' Cf[ Y'b'g]bX  
Ui g'<c'n'[ YZYfh][ hž'i bX'<c'n'fYU[ ]YfhYa dZ]bX']W\ 'Ui Z  
J YfÅbXYfi b[ Yb']b'XYf'@ ZhZYi W\h][ \_Y]h''9]b'\_cbghUbhYf  
K UggYf[ Y\U'h']b'XYf'@ Zh]gh'YggYbh]Y''ž'i a 'XUg'<c'n']b'gY]bYf  
: cfa 'i bX': i b\_h]cb'ni 'Yf\U'hYb''@Ui h'Y]bYf'Ghi X]Y'XYg'  
K ]ggYb'gW\UZh']W\Yb'≠gh]hi hg'XYf'? ]fW\Yba i g]\_']gh'X]Yg  
Ui W\ 'XYf'<Ui dh[ fi bXž'k Ufi a 'j ]Y'Y'\ ]ghcf]gW\Y' Cf[ Y'b']b'9i fcdU  
b]W\h'a Y\ f'VYgd]Y'VUf'g]bXž']bgVYgcbXYfY']b'NY]hYb'YI hfYa Yf  
\_]a Uh]gW\Yf'6YX]b[ i b[ Yb''8]Y'hYa dYf]YfhYb'l a [ YVi b[ Ybž'X]Y

ZØf'XUg'Gd]Y`Yb`XYf`Cf[ Y`b`bchk YbX][ `g]bXž`g]bX`cZhgWk Yf  
Ui ZfYW`hni Yf\U`hYbž`k Ug`b]W`h`bi f`ni `U`\_i gh]gW`Yb`DfcV`Ya Ybž  
gcbXYfb`Ui W`ni `Ub[ Zf]gh][ Yb`GW`ÅXYb`ZØ`fYb`\_Ubb"

9]b`k Y]hYfYf`Di b\_hž`XYf`X]Y`DfcV`Ya Uh]\_j Yfgh`Åf\_hž`]ghž`XUgg`j ]Y`Y  
? ]fW`Yb[ Ya Y]bXYb`b]W`h`ØVYf`Ui gfY]W`YbX`Z]bUbn]Y`Y`A ]hY`  
j YfZØ[ Ybž`i a `X]Y`bchk YbX][ Yb`?`]a UUbdUggi b[ Yb  
j cfni bY`a Yb`"9]bY`i a ZfU[ Y`XYg`8Yi hgW`Yb`A i g]\_fUhYg  
Yf[ UVž`XUgg`a Y`f`U`g`X]Y`<`Å`ZhY`XYf`VYZfU[ hYb`? ]fW`Yb`b]W`h`ØVYf  
A ]hY`ni f`FYbcj ]Yfi b[ `cXYf`DZY[ Y`]fYf`bghfi a YbhY`j YfZØ[ Ybž  
k Ug`X]Y`9f\U`hi b[ `XYg`a i g]\_U`]gW`Yb`9fVYg`[ YZÅ`fXYh"

## 8 ]Y`F c`Y`XYf`? ]fW`Yb a i g]\_ ]b`XYf`; Ya Y]bXY

? ]fW`Yb cf[ Y`b`gd]Y`Yb`Y]bY`nYbhfU`Y`F c`Y`]a `a i g]\_U`]gW`Yb  
@VYb`XYf`a Y]ghYb`; Ya Y]bXYb`"G]Y`g]bX`b]W`h`bi f`HY`]`j cb  
; chhYgX]YbghYbž`gcbXYfb`Ui W`j cb`\_i `hi fY`Yb`J YfUbghU`hi b[ Yb`"  
8Yf`J Yf`i gh`Y]bYf`Cf[ Y`\_Ubb`gca ]h`b]W`h`bi f`X]Y`U`\_i gh]gW`Y  
E i U`]h`h`Y]bYg`; chhYgX]YbghYg`a ]bXYfbž`gcbXYfb`Ui W`X]Y  
; Ya Y]bgW`UZh`VYY]bhf`ÅW`h][ Yb`"8Yf`6Yn]f\_g`Ubhc`f`DYhYf`5a a Yf  
k Y]gh`XUfUi Z`\]bž`XUgg`Y]bY`[ i h[ YdZY[ hY`Cf[ Y`Y]b`NYbhf`i a `XYf  
5bVYhi b[ `i bX`XYg`\_i `hi fY`Yb`@VYbg]b`Y]bYf`; Ya Y]bXY`]gh`"G]Y  
n]Y`h`b]W`h`bi f`; `Åi V][ Y`Ubž`gcbXYfb`Ui W`A i g]\_]YV`UVYf`i bX  
Hci f]ghYb"

þ`XYf`A Uf`\_i g]! ? ]fW`Y`]b`A Ubb`Y]a `k i fXY`b]W`h`bi f`Ui Z`X]Y  
HfcW`Yb`Y]hgd`fcV`Ya Uh]\_`fYU[ ]Yfž`gcbXYfb`Yg`k i fXYb`Ui W`  
\_fYUh]j Y`@Øgi b[ Yb`[ YZi bXYbž`X]Y`X]Y`; Ya Y]bgW`UZh`gh`Åf`\_Yb`"  
DZUffYf]b`A Ufh]bU`9[ Yb`Ui Z]@]bYf`ghY`hY`ZYghž`XUgg`X]Y`þ]h]Uh]j Yb  
ni f`@ ZhVYZi W`hi b[ `X]Y`; Ya Y]bXY`b`Å`Yf`ni gUa a YbVfUW`hYb`"  
8i fW`X]Y`9]bVYn]Y`i b[ `XYf`; Ya Y]bXYa ]h[ `]YXYf`]b`X]Y`DZY[ Y  
i bX`XYb`9f\U`h`XYf`Cf[ Y`ZØ`hYb`g]W`j ]Y`Y`a Y`f`a ]h`XYa  
gU`fU`Yb`FUi a `i bX`gY]bYf`A i g]\_j YfVi bXYb`"8]Yg`nY][ hž`k ]Y  
k ]W`h][ `XUg`9b[ U[ Ya Ybh`XYf`; Ya Y]bXY`ZØf`X]Y`9f\U`hi b[  
\_i `hi fY`Yf`i bX`fY`][ ]ØgYf`HfUX]h]cbYb`]gh"

8 Ug`6Yk i gghgY]b`ZØf`X]Y`Bchk YbX][ \_Y]h]j cb`DZY[ Y`i bX`K Ufhi b[  
k ÅW`ghž`i bX`Ui W`X`XYf`Ni [ Ub[ `ni `FYggci fW`b`k ]fX`Xi fW`

BYhmk Yf\_Y'j cb'?'fWXYba i g]\_Yfb'i bX'C f[ Ub]gUh]cbYb'j YfVYggYfh"  
9]bY'Yb[ Y'Ni gUa a YbUfVY]h'k ]fX'ni bY\ a YbX'U'g'bc'hk YbX][  
YfUW hYh'zi a 'XUg', VYf`YVYb'X]YgYf'k Yfhj c``Yb' ðghfi a YbhY'ni  
g]WXYfb'i bX'Y]bY'K Y]hYfZØ\fi b[ 'XYf'\_]fWXYba i g]\_U`]gWXYb  
HfUX]h]cbYb'ni '[ Yk Å\ f`Y]ghYb"

8YhU]`g

6Ygi WXYb'G]Y'i bg'Ui Z. 'X]Y!bUW f]WXYhYb"bYh