

GWk YfYf'@\_k !I bZU``]b' ? YfdYb' gcf[ h'ZØf  
6U\ bWUcg'nk ]gWYb' ? Ø`b' i bX' 5UWYb

@\_k' ghØfnh]b' ? YfdYb' Ui ZXY' 6U\ bghfYW\_Y' ? Ø`b' 5UWYb"  
: U\ fYf' gWk Yf' j Yf' Yhnhž' Yf\ YV' ]WY' 5i gk ]f\_i b[ Yb' Ui ZXYb  
6U\ bj Yf\_Y\ f"

5a' : fY]hU[ a ]hU[ 'YfY][ bYhY' g]W' ]b' ? YfdYb' Y]b' gWk YfYf' i bZU``ž  
U' g' Y]b' @Ughk U[ Yb' j cb' Y]bYf' 6fØW\_Y' Ui ZXY' ; 'Y]gY' XYf  
6U\ bghfYW\_Y' nk ]gWYb' ? Ø`b' i bX' 5UWYb' ghØfnhY'' 8Yf' : U\ fYfž' Y]b  
( &! Å\ f][ Yf' A Ubbž' ØVYf' YVhY' XYb' J cfZU``ž Yf' ]h' YXcW' gWk YfY  
J Yf' Yhni b[ Yb' i bX' a i gg' ]bhYbg] j a YX]n]b]gW' VY\ UbXY' h' k YfXYb"  
@Ui h' Dc' ]nY' ]' k i fXY' VY' ]' ]\ a' VY' ] Y]bYa' 8fc[ YbhYgh' Y]b' d' cg]hj Yg  
9f[ YVb]g' ZYgh[ YghY'' hž' k Ug' ni f' 5bcfXbi b[ 'Y]bYf' 6' i h' d' fcVY' ZØ\ fhY"

8Yf' Ghi fn' XYg' @Ughk U[ Ybg' \ Uh' k Y]hfY]WYbXY' : c' [ Yb' ZØf' XYb  
6U\ bj Yf\_Y\ fž' ]bgVYgc bXYfY' ZØf' X]Y' ⇒ 9! J YfV]bXi b[ Yb' bUW  
6fØggY ž' X]Y' Ui ZXY]gYf' GhfYW\_Y' j Yf\_Y\ fYb'' 8]Y' 8Yi hgWY' 6U\ b  
\ Uh' X]Y' GhfYW\_Y' V]g' Ui ZK Y]hYfYg' [ YgdYffhž' i bX' Yg' k ]fX' [ YgW' Åhnhž  
XUgg' X]Y' 6YY]bhfÅW h][ i b[ Yb' Ui W' ]b' XYb' \_ca a YbXYb' HU[ Yb  
Ub\ U' hYb' \_ØbbhYb'' 9]b' 6U\ bgdfYW Yf' Åi » YfhY' X]Y' < cZbi b[ ž' XUgg  
X]Y' 6Yf[ i b[ gUfVY]hYb' gW' bY'' gha Ø[ ' ]W' YfZc' [ Ybž' i a' X]Y' ; 'Y]gY  
ZØf' XYb' Ni [ VYhf]YV' k ]YXYf' ZFY]ni [ YVYb"

### 6Yf[ i b[ 'i bX' GW ÅXYb

8]Y' 6Yf[ i b[ 'XYg' @\_k' gc'' a ]h' Y]bYa' ? fUb' YfZc' [ Ybž' U'' YfX]b[ g  
\_Ubb' Yg' bcW' Y]bY' K Y]Y' XUi Yfbž' V]g' X]Y' GhfYW\_Y' k ]YXYf' g]WYf  
VYZU\ fVUf' ]gh'' 8Ug' : U\ fnYi [ '\ UhY' ( \$' HcbbYb' ; fUbi' Uh' [ Y' UXYbž  
k Y' WYg' VYbZU``g' [ YVcf[ Yb' k YfXYb' a i gg'' Hfc' h' XYf' HUhgUWYž  
XUgg' j cb' XYa' ; fUbi' Uh' \_Y]bY' ; YZU\ f' Ui g[ Y\ hž' k i fXY  
ZYgh[ YghY'' hž' XUgg' XYf' HUb' \_XYg' @\_k' Xi fW' XYb' 5i ZdFU``

VYgWÅX][ h'k i fXYž'k cXi fW ' ? fUZhghc Z'Ui ghfUH" '8 ]Yg' \_ÒbbhY  
ni gÀhn`]WY '< YfUi gZcfXYfi b[ Yb' ZØf'X]Y'6Yf[ i b[ gUfVY]hYb'a ]h  
g]WÅ 'Vf]b[ Yb"

8 ]Y'GWÅXYb'Ub'XYf'6U\ bhfUggY'g]bX'YVYbZU`g'VYhfÅWÅh']WÅ "'8 ]Y  
CVYf'Y]hi b[ Yb'k i fXYb' ]b'A ]hY]XYbgWÅUZh[ Ync[ Ybž'i bX'X]Y'6U\ b  
\_Ubb'Yfgh'a ]h'XYb'FYdUfUhi fYb'VY[ ]bbYbž'bUWÅXYa 'XYf  
@Ughk U[ Yb' [ YVcf[ Yb'k i fXY"'8 Yf[ YbUi Y' l a ZUb[ 'XYf'k Y]hYfYb  
GWÅÅXYb'Ub'XYb'; 'Y]gYb'i bX'hYWÅb]gWÅYb'9]bf]WÅhi b[ Yb']gh  
V]g'Ub[ 'i bVY\_Ubbhi bX'\_Ubb'Yfgh'bUWÅ'XYf'6Yf[ i b[ '\_cb\_fYh  
VYi fhY]'h'k YfXYb"

8 ]Y'GhfYW\_YbgdYffi b[ 'U'Uh'b]WÅh'bi f'5i gk ]f\_i b[ Yb'Ui Z'X]Y  
: YfbnØ[ Yž'gcbXYfb'Ui WÅ'Ui Z'XYb'FY[ ]cbUj Yf\_Y\ f"'NØ[ Y  
nk ]gWÅYb' ? Ò'b'i bX'8ØfYb'ZU`Yb'Ui gž'i bX'Yg'k i fXY'Y]b  
GWÅ]YbYbYfgUhmj Yf\_Y\ f'a ]h'6i ggYb'Y]b[ Yf]WÅhYh"'8 ]Y'< U'hYdi b\_hY  
8ØfYb'i bX'5UWÅYb'k YfXYb'j cfØVYf[ Y\YbX'b]WÅh'Ub[ YZU\ fYb"  
Ni gÀhn`]WY'J YfgdÅhi b[ Yb'j cb'V]g'ni '- \$'A ]bi hYb'k i fXYb'ZØf'X]Y  
i a [ Y'Y]hYhYb' ⇒ 9!NØ[ Y' [ Ya Y'XYh"

## J Yf\_Y\ fgVY\ ]bXYfi b[ Yb

8 ]Y'Dc`nY]'U'Uh'VYf]WÅhYhž'XUgg'g]WÅ'ni a 'NY]hdi b\_h'XYg'l bZU`g'Y]b  
Ni [ 'a ]h'Yhk U'\* \$'FY]gYbXYb' ]b'XYf'BÅ\Y'VYZubX"'8 ]YgYf'\_cbbhY  
gY]bY': U\fh'Ui Z[ fi bX'Y]bYg'G]WÅYf\Y]hgdVcV'Ya g'a ]h'XYf  
<cWÅgdUbbi b[ g'Y]hi b[ 'b]WÅh'ZcfhgYhnYbž'XU'X]YgY' [ YfXYh  
k YfXYb'a i gghY"'8 ]Y' l a ghÅbXY'XYg'l bZU`g'k YfXYb'bcWÅ  
i bhYfgi WÅhž'k cVY]'NYi [ Yb'VYgWÅf]YVYb'\UVYbž'k ]Y'XYf  
@Ughk U[ Yb' [ Y[ Yb'%%) \$'l \f'j cb'XYf': U\fvU\ b'UV\_Ua 'i bX'XUg  
6fØW\_Yb[ Y'ÅbXYf'Xi fWÅVfUWÅž'VYj cf'Yf'Ui Z'X]Y'; 'Y]gY'ghØfnhY"

8 ]Y'G]hi Uh]cb'ghY`h'ZØf'j ]Y'Y'DYbX'Yf'i bX'FY]gYbXY'Y]b  
Yf\YV`]WÅYg'l bUbbY\ a ' ]WÅ\_Y]h'XUf'i bX'k ]fZh': fU[ Yb'ni f  
J Yf\_Y\ fgg]WÅYf\Y]h'Ui Z''7\UbWÅb'ZØf'K ]YXYf\YfghY`i b[ 'i bX  
A i \_]hi XY''Y[ Yb' ]b'XYf'J YfUbhk cfhi b[ 'XYf'ni ghÅbX][ Yb  
6Y\ ÒfXYb'gck ]Y'XYg'6U\ bVYhfY]VYfgž'XYf'U`Yg'XUfUbgYhnYb  
a i ggž'i a 'X]Y'6YY]bhfÅWÅh][ i b[ Yb'gc'a ]b]a U'k ]Y'a Ò[ ' ]WÅ'ni  
\U'hYb"

# K ]W\ h][ \_Y]h'XYg'J c fZU`g

8]YgYf'I bZU`i bhYfghfY]W\h'X]Y'f]h]\_U`]hÅh'j cb'J Yf\_Y\fgg]W\Yf\Y]h  
Ui Z'6fØW\_Yb'i bX'XYf' ðghUbX\U'hi b[ 'j cb'GhfU»Yb!'i bX  
GW\]YbYb]bZfUghfi \_hi f''9g'nY][ h'Ui W\ž'k ]Y'd`Øm`]W\i bX  
i bYfk UfhYh'J Yf\_Y\fgk Y[ Y'i bhYfvfcW\Yb'k YfXYb' \_ØbbYbž'k Ug  
k Y]hfY]W\YbXY' ?cbgYei YbnYb'ZØf'XYb'6Yhf]YV'i bX'X]Y'D'Ubi b[ 'ja  
ØZYbh]W\Yb'J Yf\_Y\f'\Uh''8]Y': c`[ Yb'k YfXYb'gck c\`ZØf'X]Y  
VYhfcZYbYb'FY]gYbXYb'U'g'Ui W\ZØf'X]Y'6U\bi bhYfbY\ a Yb  
gdØfVUf'gY]b'i bX'YfZcXfYfb'Y]bY'gW\by''Y'i bX'i a ZUggYbXY  
FYU\_h]cbž'i a 'X]Y'BCfa U`]hÅh']a '6U\bj Yf\_Y\f'gc'gW\by''k ]Y  
a Ø[ ' ]W\k ]YXYf\Yfni ghY''Yb"

## 8 YhU]`g'ni a 'I bZU``\Yf[ Ub[

8Yf'I bZU``YfY][ bYhY'g]W\Ua 'i: fY]hU[ a ]hU[ 'i[ Y[ Yb'%%") \$'I \fž'U'g  
XYf'@\_k 'j cb'XYf': U\fvU\bi UV\_Ua 'i bX'ØVYf'Y]b'6fØW\_Yb[ Y'ÀbXYf  
Ui ZX]Y'6U\bghfYW\_Y'ghØfnhY''5i [ YbnYi [ Yb'VYf]W\hYhYbž'XUgg'XYf  
@Ughk U[ Yb' ]b'Y]bYf'\_f]h]gW\Yb'D\UgY'XYf': U\fh'k Uf'i bX'X]Y  
?cbhfc''Y'j Yf'cf''8]Y'Dc`nY]' \Uh'VYfY]hg'9fa ]h'i b[ Yb'ni 'XYb  
[ YbUi Yb'I a ghÅbXYb'XYg'I bZU`g'Y]b[ Y'Y]hYhi bX'VYZFU[ h'NYi [ Ybž  
i a 'a Ø[ ' ]W\Y'I fgUW\Yb'\YfUi gni Z]bXYb"

6YgcbXYfg'Ui ZÅ`][ ' ]gh'XYf'I a ghUbXž'XUgg'XYf': U\Yf'f'UW\YfghYb  
6Yf]W\hYb'j Yfa i h]W\i bhYf'XYa '9]bZi gg'j cb'8fc[ Yb'ghUbX''8]Y  
Dc`nY]' \Uh'UW\Y]bYa 'd'cg]h]j Yb'8fc[ YbhYgh'Ub[ YcFXbYhž'XUgg  
Y]bY'6'i hdfcVY'Yb'bc a Yb'k ]fXž'i a '\_Ufni ghY''Ybž'k Y'W\Y  
Gi VghUbnYb' ]a 'Gd]Y''[ Yk YgYb'gY]b' \_ØbbhYb''8]Yg'\_ØbbhY  
k YgYbh]W\Y'5i gk ]f\_i b[ Yb'Ui Z'a Ø[ ' ]W\Y'fYW\h]W\Y  
?cbgYei YbnYb'i bX'X]Y'J YfUbhk cfhi b[ 'ZØf'XYb'I bZU``\UVYb"

## : c`[ Yb'XYg'I bZU`g'ZØf'XYb'6U\bj Yf\_Y\ f

8]Y'5i gk ]f\_i b[ Yb'Ui ZX'Yb'6U\bj Yf\_Y\fg]bX'Yf\YV`]W''8i fW\  
X]Y'GdYffi b[ 'XYf'GhfYW\_Y'nk ]gW\Yb'?Ø`b'i bX'5UW\Yb'g]bX'j ]Y'Y  
FY]gYbXY'VYhfcZYb''8Yf': Yfbj Yf\_Y\f'\Uh'a ]h'XYi h]W\Yf\Ø\hYb  
J YfgdÅhi b[ Yb'ni '\_Åa dZYb'/X]Y'⇒9!NØ[ Yž'X]Y' ]b'XYf'FY[ Y'

nk ]gW\Yb`X]YgYb`VY]XYb`Gh`XhYb`ZU\ fYb`ž`k i fXYb`i a [ Y`Y]hYh`k Ug  
ni g`Àh`n`]W`ni`J`Yfgd`Àhi`b[ Yb`j`cb`Yhk`U`-`\$`A`]bi`hYb`Z0\fh`"8]Yg`]gh  
VYgcbXYfg`dfc`V`Ya`Uh]gW\`Z0f`F`Y]gYbXYž`X]Y`Ui`Z`J`YfV]bXi`b[ Yb  
bUW\`6f0ggY`Ub[ Yk`]YgYb`g]bX"

8]Y`8Yi`hgW\Y`6U\`b`\Uh`Ub[ Y`\_0bX][ h`ž`XUgg`X]Y`<]bhYf[ f0bXY`XYf  
Gh0fi`b[ Yb`i`bX`5i`gZ`À`Y`Ui`ZYbX`Yj`U`i`]Yfh`k`YfXYb`ž`i`a`X]Y  
F`Y]gYbXYb`VYgha`0[ `]W\`ni`]bZcfa`]YfYb`"5i`W\`fY[ `]cbU`g]bX`X]Y  
5i`gk`]f`\_i`b[ Yb`ghUf`\_gd0fVUfž`]bgVYgcbXYfY`VY]`XYb  
J`YfV]bXi`b[ Yb`nk`]gW\Yb`80fYb`i`bX`?`0`b`ž`k`c`Y]b  
GW\]YbYbYfgUhj`Yf`\_Y\`f`Y]b[ Yf]W\hYh`k`i`fXY"

## F`Y`d`U`f`U`h`i`f`i`b`X`6`Y`f`[`i`b`[

8]Y`6Yf[ i`b[ `XYg`@\_k`k`]fX`j`cfUi`gg]W\h`]W\`a`]h`Y]bYa``?`fUb  
YfZc`[ Yb`ž`k`Ug`Y]bY`[ Yk`]ggY`NY]h`]b`5bgdfi`W\`bY\`a`Yb`\_Ubb`"8Yf  
[ YbUi`Y`NY]hdi`b`h`ž`k`Ubb`X]Y`GhfYW`\_Y`k`]YXYf`ZfY][ Y[ YVYb`k`YfXYb  
\_Ubbž`]gh`XYfnY]hi`b`\_Uf`"Ni`b`ÀW\gh`a`i`gg`g]W\Yf[ YghY`h`k`YfXYb`ž  
XUgg`\_Y]bY`k`Y]hYfYb`";`YZU\`fYb`j`cb`XYa``VYgW\`ÀX][ hYb`@Ughk`U[ Yb  
cXYf`XYf`Ui`g[ Y`Ui`ZYbYb`:`0gg][ \_Y]h`Ui`g[ Y`Y`b"

8]Y`C`VYf`Y]hi`b[ Yb`XYf`6U\`bhfUggY`k`i`fXYb`Xi`fW\`XYb`Ghi`fn`XYg  
@\_k`VYgW\`ÀX][ h`ž`k`Ug`ni`g`Àh`n`]W\Y`F`Y`d`U`f`U`h`i`f`U`f`V`Y]hYb`bUW\`g]W\  
n]Y\`Yb`k`]fX`"5i`W\`X]Y`BYi`Ui`gk`Yfhi`b[ `XYf`GhfYW`\_Y`Ui`Z`a`0[ `]W\Y  
ghfi`\_hi`fY`Y`GW\`ÀXYb`k`]fX`nY]hbU\`YfZcfXYf`]W\`gY]b`ž`i`a  
ni`\_0bZh][ Y`i`bZ`À`Y`ni`j`Yfa`Y]XYb`i`bX`X]Y`G]W\Yf\`Y]h`i`a  
6U\`bj`Yf`\_Y\`f`ni`i`[ UfUbh]YfYb"

## GhUh]gh]gW\Y`5i`gk`Yfhi`b[ Yb`ni`i`bZ`À`Yb`]a GhfU» Yb!6U\bj`Yf`\_Y\`f

@Ui`h`XYf`8Yi`hgW\Yb`6U\`b`[ YgW\Y\`Yb`À\`f`]W\`nU\`fY]W\Y`i`bZ`À`Yž  
X]Y`XYb`6U\`bj`Yf`\_Y\`f`VYY]bhf`ÀW\h][ Yb`"a`i`U\`f`&\$&&[ UV`Yg  
VY]gd]Y`gk`Y]gY`0VYf`(\$`\$`i`bZ`À`Y`Ub`6U\`b0VYf[ Àb[ Yb`]b  
8Yi`hgW\`UbX`ž`k`c`VY]j`]Y`Y`X]YgYf`J`cfZ`À`Y`Xi`fW\`a`YbgW\`]W\Yg  
J`YfgU[ Yb`ž`k`]Y`5V`Yb`\_i`b[ `cXYf`5`\_c\`c`!`i`bX`8fc[ Yba`]ggVfUi`W\`ž  
j`Yfi`fgUW\`h`k`i`fXYb`"8]YgY`GhUh]gh]\_Yb`i`bhYfghfY]W\Yb`X]Y

Bc h k Y b X ] [ \_ Y ] h j c b ' ] b h Y b g ] j ] Y f h Y b ' G ] W X Y f \ Y ] h g a U » b U \ a Y b ' g c k ] Y  
Ò Z Y b h ] W X Y b ' 5 i Z \_ À f i b [ g d f c [ f U a a Y b ž i a ' X ] Y ' G ] W X Y f \ Y ] h i ] a  
G h f U » Y b ! ' i b X ' G W X ] Y b Y b j Y f \_ Y \ f ' n i ' Y f \ Ò \ Y b "

N i g À h n ' ] W X ' n Y ] [ Y b ' j Y f g W X ] Y X Y b Y ' G h i X ] Y b ž ' X U g g ' Y ] b Y ' g h Y ] [ Y b X Y  
5 b n U \ ' j c b ' @ \_ k ' U i Z X Y i h g W X Y b ' G h f U » Y b ' \ À i Z ] [ ' n i ' [ Y Z \ f ' ] W X Y b  
G ] h i U h ] c b Y b ' Z \ f Y b ' \_ U b b ž ' ] b g V Y g c b X Y f Y ' ] b ' X Y f ' B À \ Y ' j c b  
6 U \ b g h f Y W \_ Y b " < ] Y f ' ] g h ' Y ] b Y ' i a Z U g g Y b X Y ' , V Y f d f Ø Z b [ ' i b X  
5 b d U g g i b [ ' X Y f ' G ] W X Y f \ Y ] h g f ] W X h ' ] b ] Y b ' Y f Z c f X Y f ' ] W X ž i a ' n i \_ Ø b Z h ] [ Y  
J c f Z \ ' Y ' X ] Y g Y f ' 5 f h n i ' a ] b ] a ] Y f Y b ' i b X ' X ] Y ' G ] W X Y f \ Y ] h i U ' Y f  
J Y f \_ Y \ f g h Y ] ` b Y \ a Y f ' n i ' [ Y k À \ f ' Y ] g h Y b "

8 Y h U ] ` g

6 Y g i W X Y b ' G ] Y ' i b g ' U i Z . ' b ! U [ " X Y