

Gca a Yf]bhYfj ]Yk . 'GhY]ba Y]Yf'gdf]W h  
ØVYf'8Ya c\_fUh]Y'i bX'K U\`Yb`]b  
H\Øf]b[ Yb

5a 'GcbbhU[ ž&) "'5i [ i ghž%- "%\$'I \fž'gdf]W h'8 ]UbU  
N]a a Yfa Ubb'a ]h'6i bXYgdfÅg]XYbh'GhY]ba Y]Yf'ØVYf  
8Ya c\_fUh]Y'i bX'K U\`Yb"

5a 'GcbbhU[ žXYa ' &) "'5i [ i gh'&\$&( ž'i a ' %- "%\$'I \fž'XfY\h'g]W 'ja  
N8: 'U`Yg'i a 'X]Y'bYi YghYb'dc`h]gWYb'9b'hk ]W`i b[ Yb`]b  
8Yi hgW\`UbX"'8 Ug'VY`]YVhY'Dfc[ fUa a ' 6Yf`]b'X]fY\_h`idfÅgYbh]Yfh  
Y]b'Gca a Yf]bhYfj ]Yk 'a ]h'6i bXYgdfÅg]XYbh: fUb`!K U'hYf  
GhY]ba Y]Yfž'XUg`]b'XYf'a U'Yf]gWYb'?i`]ggY'XYg'?`cghYfg'>f]W'ck  
]b'XYf'BÅ\Y`j cb'GhYbXU`ghUhhZ]bXYh"'8 ]Y'Ni gWUi Yf`\_ØbbYb  
[ YgdUbbh'Ui ZY]b'Ui ZgW`i ggfY]WYg'; YgdfÅW`nk ]gWYb  
GhY]ba Y]Yf'i bX'A cXYfUhc]b'8 ]UbU'N]a a Yfa Ubb'k UfhYbž  
k Å\fybX'k ]W'h][ Y'H\Ya Yb'k ]Y'X]Y'VYj c fghY\YbXYb'K U\`Yb`]b  
H\Øf]b[ Yb`i bX'GUW`gYb'ni f'GdfUW`Y`\_ca a Yb"

8]YgYg'k ]W'h][ Y`æhYfj ]Yk 'k ]fX'g]W`b]W'h'bi f'a ]h'XYf'U\_hi Y`Yb  
@U[ Y`]b'XYb'6i bXYg`ÅbXYfb'VYZUggYbž'gcbXYfb'Ui W'a ]h'XYf  
?cU`h]cb'XYf'5a dY'dUfhY]Yb`i bX'XYf'K U\fi b[ 'XYa c\_fUh]gWYf  
K YfhY`]b'8Yi hgW\`UbX"'5b[ Yg]W'hg'XYf'VYj c fghY\YbXYb'K U\`Yb  
]b'H\Øf]b[ Yb`i bX'GUW`gYb'Yf\`h'X]YgYg'æhYfj ]Yk`ni gÅh`]WY  
6YXYi hi b[ 'Yg`\_ØbbhY'9]bV`]W\_Y`]b'X]Y'dc`h]gWYb'GhfUHY[ ]Yb  
i bX'<YfUi gZcXYfi b[ Yb`[ YVYbž'X]Y'X]Y'DUfhY]Yb`]b'XYb  
\_ca a YbXYb'A cbUHYb'Yfk UfhYb"

9]b'HfUX]h]cbY`Yg'Gca a YfZcfa Uh

6Yf`]b'X]fY\_h`]gh'VY`\_Ubbh'ZØf'gY]bY'Gca a Yf]bhYfj ]Yk g'i bX']gh  
gY]h'a Y\`f'U`g' \*`>Å\fyb'Y]b'6YghUbXhY]'XYg'N8: !

Gca a Yfdfc[ fUa a g"8]YgY'GYbXYfY]\Y'V]YhYh'Y]bY'D'UhhZcfa ž'Ui Z  
XYf'\cWfUb[ ][ Y'Dc`h]\_Yf'ni 'U\_hi Y''Yb'H\Ya Yb'VYZfU[ h'k YfXYb"  
8 Ug'YfghY' ðhYfj ]Yk 'b'X]YgYf'GYf]Y'ZUbX'%- , , 'ja 'FU\ a Yb'XYf  
GYbXi b[ '6cbb'X]fY\_h 'ghUhh'i bX'\Uh'g]W\ 'gY]h\Yf'ni 'Y]bYa  
ZYghYb'6YghUbXhY]'XYf'dc`h]gW\Yb'6Yf]W\hYfghUhh'i b[ 'Yb'hk ]W\_Y'h"

8]Y'A cXYfUhcFYb'j cb'6Yf']b'X]fY\_h ž'XUfi bhYf'8]UbU  
N]a a Yfa Ubbž'G\U\_i bhU'U'6UbYf'YY'i bX'K i 'Z'GW\ a ]YgYž'ZØ\ fYb  
ðhYfj ]Yk g'b]W\h'bi f'a ]h'XYa '6i bXYgdfĀg]XYbhYbž'gcbXYfb'Ui W\ a  
]h'XYa '6i bXYg\_Ubn'Yf'i bX'XYb'Gd]hnYb'XYf']a '6i bXYghU[  
j YfhfYhYbYb'DUfhY]Yb"8]Yg'[ Yk Ā\f'Y]ghYhž'XUgg'X]Y'Ni gW\Ui Yf  
U\_hi Y''Y'i bX'fY'Yj UbhY' ðZcfa Uh]cbYb'Ui g'YfghYf'< UbX'Yf\U'hYb"

## 8]Y'6YXYi hi b[ 'XYf'K U\`Yb

8]Y'ja 'ðhYfj ]Yk 'Ub[ YgdfcW\YbYb'H\Ya Yb'g]bX'j cb'[ fc»Yf  
F'Y'Yj Ubnž'VYgcbXYfg']b'XYf'NY]hj cf'XYb'K U\`Yb"'H\Øf]b[ Yb'i bX  
GUW\gYb'k YfXYb'cZhi'U'g'dc`h]gW\Y'6Ufca YhYf'VYhfUW\hYhž'XU'g]Y  
i bhYfgW\]YX`]W\Y'dc`h]gW\Y'GhfĀa i b[ Yb'i bX'<YfUi gZcfXYfi b[ Yb  
k ]XYfgd]Y[ Y'b"K Ā\fYbX'XYf'6i bXYgdfĀg]XYbh'gY]bY  
5a hg[ YgW\ĀZhY' ]b'XYf'F'Y[ ]cb'Ui gØVhž'k ]fX'Yf'Ui W\`a ]h'6Øf[ Yfb  
gdfYW\Ybž'k Ug'nY][ hž'k ]Y'k ]W\h][ 'X]Y'?ca a i b]\_Uh]cb'nk ]gW\Yb  
Dc`h]\_Yfb'i bX'XYf'6Yj Ò`\_Yfi b[ 'jgh"

9]b'nYbhfU`Yg'5b`Y]Y[ Yb'XYg' ðhYfj ]Yk g'k ]fX'X]Y': fU[ Y'gY]bž'k ]Y  
X]Y'5a dY`\_cU`h]cb'i bhYf'XYa '9]bZi gg'XYf'VYj cfghY\YbXYb  
K U\`Yb'U[ ]YfYb'k ]fX"8]Y'?cU`h]cbž'VYghY\YbX'Ui g'GD8ž'; fØbYb  
i bX': 8Dž'a i gg'g]W\`Ui Z'bYi Y'<YfUi gZcfXYfi b[ Yb'Y]bghY''Ybž'X]Y  
gck c`\`Ui Z'6i bXYg!'U'g'Ui W\`Ui Z@UbXYgYVYbY'YbhghY\Yb  
\_ØbbYb"8]Y'6Øf[ Yf'g]bX'ni bY\ a YbX'VYgcf[ h'ØVYf'H\Ya Yb'k ]Y  
G]W\Yf\Y]h'i bX'k ]fhgW\UZh]W\Y'GhUV]'hĀhž'k Ug'XYb'8fi W`\_Ui ZX]Y  
Dc`h]\_Yf\Ø\hž'hfUbgdUfYbh'ni '\_ca a i b]n]YfYb'i bX'YZZY\_h]j 'ni  
\UbXY`b"

Ni gUa a Yb'a ]h'XYf'8]g\_i gg]cb'ØVYf'X]Y'Ni gUa a YbUfVY]h'XYf  
DUfhY]Yb'k ]fX'Ui W\`X]Y'GhUV]'hĀh'XYf'8Ya c\_fUh]Y' ]b'8Yi hgW\`UbX  
Y]b'nYbhfU`Yg'H\Ya U'gY]b"9g'g]bX'XYfUfh][ Y'8]g\_i gg]cbYb  
bch'k YbX][ ž'i a 'XUg'J YfhfUi Yb'XYf'6Yj Ò`\_Yfi b[ 'j]b'X]Y'dc`h]gW\Yb

þgh]hi h]cbYb'ni 'ghÅf\_Yb'i bX'i a 'Y]b'VYk i gghYg'dc`h]gWXYg  
9b[ U[ Ya Ybh'ni 'ZØfXYfb"

## 8 ]Y 'HfUX]h]c b 'Zc fhgY hnYb

K Å\fybX'XYg'VYj cfghY\YbXYb'Gca a Yf]bhYfj ]Yk g'k ]fX'X]Y'N8: !  
FYXU\_h]cb'X]Y'HfUX]h]cb'XYf'Gca a Yf[ YgdfÅWY'Zc fhgY hnYbž'i bX  
X]Y'Ni gWU'Yf'\_ØbbYb'g]WU'Z'Ui h\Ybh]gWY'9]bV`]W\_Y']b'X]Y  
; YXUb\_Ybk Y'h'Y]bYg'XYf'\ØW ghYb'J YfhfYhYf'8Yi hgW'UbXg  
ZfYi Yb''9g'k ]fX'gdUbbYb'X'gY]b'ni 'gY\Ybž'k Y'WY': fU[ Yb  
Ui Z\_ca a Yb'i bX'k ]Y'X]YgY'j cb'6i bXYgdfÅg]XYbh'GhY]ba Y]Yf  
VYUbnk cfhYh'k YfXYb''8]Y'CYZb\Y]h'i bX'9\ f'W\_Y]h'gc`WYf  
; YgdfÅWY'g]bX'i bYf'Ågg]Wž'i a 'XUg'dc`h]gWY'?`]a U']a '@UbX'ni  
j YfghY\Yb'i bX'ni '[ YghU'hYb"

8 Ug'Gca a Yf]bhYfj ]Yk 'a ]h': fUb\_!K U'hYf'GhY]ba Y]Yf'j Yfgdf]W h  
b]W h'bi f']bhYfYggUbhY'9]bV`]W\_Y']b'X]Y'U\_hi Y`Y'dc`h]gWY  
@UbXgWUZhž'gcbXYfb'X]Ybh'Ui W'U'g'9f]bbYfi b[ 'Ub'X]Y  
<YfUi gZc fXYfi b[ Ybž'X]Y'j cf'YXYa 'K U\`\_Ua dZ'ghY\Yb''9g']gh'Y]b  
: cfa Uhž'XUg'nY][ hž'k ]Y'k ]W h][ 'XYf'8]U'c[ 'nk ]gWYb'6Øf[ Yfb'i bX  
: Ø\fi b[ gdYfgØb`]W\_Y]hYb']ghž'i bX'gYhnh'XYb'A U» ghUV'ZØf  
ni \_ØbZh][ Y'dc`h]gWY'; YgdfÅWY"

## Dc`h]gWXYf'? cbhYI h'XYf'Gca a Yf]bhYfj ]Yk g

8 Ug'N8: !Dc`h]\_a U[ Un]b' 6Yf']b'X]fY\_h '\Uh]g]W'ØVYf'X]Y'Å\fy  
U'g'k ]W h][ Y'D'UhZcfa 'ZØf'dc`h]gWY'8]g\_i gg]cbYb'YhUV'Yfh"  
þgVYgcbXYfY'ni f'Gca a YfnY]hž'k Ybb']b'8Yi hgW'UbX'X]Y  
dUf'Ua YbhUf]gWY'Gca a YfdUi gY'\YffgW hž'V]YhYb'X]Y  
Gca a Yf]bhYfj ]Yk g'Y]bY'; Y`Y[ Yb\Y]hž'U\_hi Y`Y'dc`h]gWY'H\Ya Yb  
ni 'VYgdfYWYb''8]YgYg'Å\ f'k ]fX'XUg'þhYfj ]Yk 'a ]h  
6i bXYgdfÅg]XYbh': fUb\_!K U'hYf'GhY]ba Y]Yf'bcW'VYXYi hYbXYfž'XU  
Yg'\_i fn'j cf'XYb'K U\`Yb']b'H\Øf]b[ Yb'i bX'GUW'gYb'ghUhh]bXYh"  
8]Y'UbghY\YbXYb'K U\`Yb'\_ØbbhYb'Y]bYb'YbhgWY]XYbXYb'9]bZi gg  
Ui ZX]Y'dc`h]gWY'@UbXgWUZh]b'8Yi hgW'UbX'\UVYb"

8]Y'5a dY`\_cU`]h]cbž'VYghY\YbX'Ui g'GD8ž'; fØbYb'i bX': 8Dž'ghY\h  
]b'XYf'ÖZZYbh]WYb'K U\fbY\ a i b[ '\Åi Z][ 'ja ': c\_i gž']bgVYgcbXYfY

]b'6Yni [ 'Ui Z]\fY'dc`h]gWXYb'9bhgWXY]Xi b[ Yb'i bX'XYfYb  
5i gk ]f\_i b[ Yb'Ui ZX]Y'8Ya c\_fUh]Y''J cf'XYa '<]bhYf[ fi bX'XYg  
[ Ygh]Y[ YbYb'dc`h]gWXYb'K YhhVYk YfVg'i bX'XYf  
<YfUi gZcfXYfi b[ Yb'k ]Y'≠ZUh]cb'i bX'?`]a Uk UbXY`g]bX'X]Y  
5bhk cfhYb'XYf'FY[ ]Yfi b[ gj YfhfYhYf'j cb'[ fc»Yf'6YXYi hi b[ 'ZØf  
X]Y'K Å`Yf"

8 ]Y'F c`Y'j cb'N8: ' ]b'XYf'dc`h]gWXYb  
A Y]bi b[ gV]'Xi b[

N8: '\Uh'Y]bY`Ub[ Y'HfUX]h]cb']b'XYf'dc`h]gWXYb'6Yf]W hYfghUhi b[  
i bX'A Y]bi b[ gV]'Xi b[ "'8]Y'GYbXi b[ ' 6cbb'X]fY\_h ž'X]Y'ni a  
YfghYb'A U`%- , , 'Ui g[ YghfU\`h'k i fXYž'V]XYhY'XYb'5i g[ Ub[ gdi b\_h  
ZØf'X]Y'FY]\Y'XYf'Gca a Yf]bhYfj ]Yk g" 8]YgY'Dfc[ fUa a fY]\Y']gh  
b]W h'bi f'ZØf'X]Y'6Øf[ Yf'j cb'≠hYfYggYž'gcbXYfb'g]Y'gd]Y'h'Ui W  
Y]bY'YbhgWXY]XYbXY'F c`Y'ZØf'X]Y'dc`h]gWXY'?i`hi f']b  
8Yi hgW'UbX"'8i fW'X]Y'nY]hbU\Y'6YZfU[ i b[ 'j cb'Y]bZi ggfY]WXYb  
Dc`h]\_Yfb'Yf\U'hYb'X]Y'Ni gWUi Yf'Y]bYb'9]bV`]W\_']b'X]Y'U\_hi Y`Yb  
dc`h]gWXYb'8]g\_i fgY'i bX'<YfUi gZcfXYfi b[ Yb"

8 Ug'N8: !Dfc[ fUa a 'YffY]W h'fY[ Y'a Å»][ 'A ]`]cbYb'j cb  
Ni gWUi Yfb'i bX']gh'XU\Yf'Y]b'VYXYi hYbXYg'A YX]i a 'ZØf'X]Y  
dc`h]gWXY'?ca a i b[\_Uh]cb"'≠NY]hYb'j cb': U\_Y'BYk gi bX  
≠Zcfa Uh]cbgØVYfZi hi b[ ' ]gh'X]Y'\_ca dYhYbhY'6Yf]W hYfghUhi b[  
j cb'ÖZYbh`]W!fYW h`]WXYb'GYbXYfb'j cb'[ fc»Yf'6YXYi hi b[ ž'i a  
J YfhfUi Yb']b'X]Y'XYa c\_fUh]gWXYb'≠gh]hi h]cbYb'ni 'ZØfXYfb'i bX  
Ui ZfYW hni Yf\U'hYb"

2 ZZYbh`]WXYg'≠hYfYggY'i bX'FYU\_h]cbYb'Ui Z  
X]Y'Gca a Yf]bhYfj ]Yk g

8]Y'Gca a Yf]bhYfj ]Yk g'XYg'N8: 'g]bX'cZh]cb'fY[ Ya 'ÖZYbh`]WXYb  
≠hYfYggY'VY[ 'Y]hYh`'I a ZfU[ Yb'i bX'FYU\_h]cbYb']b'gcn]U'Yb  
A YX]Yb'nY][ Ybž'XUgg'X]Y'Ni gWUi Yf'[ YgdUbbh'Ui ZX]Y'5i ggU[ Yb  
XYf'Dc`h]\_Yf'k UfhYb"'8]Y'Ub[ YgdfcWXYbYb'H\Ya Yb' 'k ]Y'X]Y'@U[ Y  
]b'XYb'6i bXYg'ÅbXYfbž'X]Y'5a dY`\_cU`h]cb'i bX'X]Y'8Ya c\_fUh]Y'  
fYZY\_h]YfYb'b]W h'bi f'X]Y[ ]Y[ Ybk Åfh][ Y'dc`h]gWXY'G]hi Uh]cbž

gcbXYfb`Ui W`X]Y`Gcf[ Yb`i bX`9fk Ufhi b[ Yb`XYf`6Øf[ Yf`

5bU`mgYb`nY][ Ybž`XUgg`]bhYfU\_h]j Y` : cfa UhYž`X]Y`Ui W`  
6Øf[ YfZfU[ Yb`ni `UggYbž`X]Y`6YhY`][ i b[ `i bX`XUg`ϕbhYfYggY`XYf`  
Ni gW`Ui Yf`Yf\`Ö\Yb`\_ÖbbYb`" ϕ`XYf`J Yf[ Ub[ Yb\`Y]h\`UVYb`j ]Y`Y`  
K Ä`Yf`Ub`l a ZfU[ Yb`i bX`8]g\_i gg]cbgfi bXYb`hY`][ Ybca a Ybž`k Ug  
X]Y`F`Y`Yj Ubn`XYf`Gca a Yf]bhYfj ]Yk g`k Y]hYf`j YfghÄf`h" ϕ`Y]bYf`  
NY]hž`]b`XYf`XUg`J YfhfUi Yb`XYf`6Øf[ Yf`]b`X]Y`Dc`]h]\_`gW`k Ub\_hž`  
V]YhYb`X]YgY` : cfa UhY`Y]bY`k Yfhj c``Y`A Ö[ `]W`\_Y]hž`i a `Y]bYb`  
8]U`c[ `nk ]gW`Yb`Dc`]h]\_`i bX`6Yj Ö`\_Yfi b[ `ni `ZØfXYfb`

8YhU]`g

6Ygi W`Yb`G]Y`i bg`Ui Z.`a Y]b!VYf`]b`bYh