

5fWXYf'5j ]Uh]cb.'9l dYfhYbcdh]a ]ga i g  
hfc hn'5\_h]YbfØW\_[ Ub[ ' '9]b'6`]W\_ ]b'X]Y  
Ni \_i bZh

⊕j Ynn!5bU`mghYb'nY][ Yb'g]W'cdh]a ]gh]gW'ZØf'5fWXYf  
5j ]Uh]cbž'hfc hn'XYg'Øb[ ghYb'?i fgfØW\_[ Ub[ g''9fZU\ fYb'G]Y  
a Y\ f'ØVYf'X]Y'Ni \_i bZhgUi gg]W'hYb"

5fWXYf'5j ]Uh]cbž'Y]b' l bhYfbY\ a Ybž'XUg'g]W'Ui ZX]Y'9bhk ]W\_ i b[  
j cb'Y'Y\_hf]gW'VYhf]YVYbYb': 'i [ [ YfÅhYb'gdYn]U']g]Yfh'\Uhž'ghY\h  
]a 'NYbhf i a 'XYf'5i Za Yf\_gUa \_Y]h" ⊕'XYb'YhnhYb'⊕\ fYb'\Uh'X]Y  
5\_h]Y'j cb'5fWXYf'5j ]Uh]cb'Y]bY'hi fVi 'YbhY'D\UgY'Xi fW'YVhž'i bX  
j ]Y'Y'⊕j YghcfYb'ZFU[ Yb'g]W'ž'cV'Yg'g]W''c\ bYb'\_ØbbhYž'Yhnh  
Y]bni ghY][ Yb'cXYf'b]W'h"

8]Y'5bU`mghYb'j cb'⊕j Ynn'Äi » Yfb'g]W'cdh]a ]gh]gW'ØVYf'X]Y  
Ni \_i bZh'XYf'5fWXYf!5\_h]Y'i bX''UggYb'XUa ]h'X]Y'<cZZbi b[ Yb'j ]Y'Yf  
5b'Y[ Yf'Ui ZYVYb''C V k c\''XYf'5\_h]Yb\_i fg']b'XYf'J Yf[ Ub[ Yb\Y]h  
g][ b]Z]Ubh'[ YZU''Yb']ghž'gY\Yb'9l dYfhYb'5bnY]WYb'ZØf'Y]bY  
a Ø[ ' ]WY'9f\c'i b[ "8Yf': c\_i g'XYf'5bU`mghYb''Y[ h'XUfUi Zž'X]Y  
9bhk ]W\_ i b[ Yb']bbYf\U'V'XYg'l bhYfbY\ a Ybg'i bX'Ui ZXYa 'A Uf\_h  
ZØf'@ Zha cV]'hÅh'ni 'VYk YfhYbž'i a 'Y]bY'Z bX]YfhY'Dfc[ bcgY  
UVni [ YVYb"

## A Uf\_hUbU`mgY'i bX'9fk Ufhi b[ Yb

8]Y'6fUbWXYž']b'XYf'5fWXYf'5j ]Uh]cb'hÅh][ ' ]ghž'\Uh]b'XYb'YhnhYb  
⊕\ fYb'VYhfÅW'h]WY'J YfÅbXYfi b[ Yb'YfZU\ fYb''8Ug'l bhYfbY\ a Yb  
gYhnh'Ui Z]bbcj Uh]j Y': 'i [ hYW'bc'c[ ]Ybž'X]Y'dchYbn]Y''X]Y'5fhi bX  
K Y]gY'fYj c'i h]cb]YfYb'\_ØbbhYbž'k ]Y'A YbgWYb']b'i fVUbYb  
; YV]YhYb'fY]gYb''8]YgY'9bhk ]W\_ i b[ Yb'g]bX'b]W'h'bi f'ZØf'XUg  
l bhYfbY\ a Yb'gY'Vgh'j cb'6YXYi hi b[ ž'gcbXYfb'\_ØbbhYb'Ui W

[ fc»Y`5i gk ]f\_i b[ Yb`Ui Z`X]Y`[ YgUa hY`@ ZhZU\fh]bXi ghf]Y`\UVYb"

5bU`mghYb`\YVYb`\Yfj cfž`XUgg`X]Y`B UW`ZfU[ Y`bUW`bUW`\U`h][ Yb  
i bX`Y`Y`\_hf]gW`Yb`j Yf`Y`\fg`Øgi b[ Yb`ni b]a`a`h`A`h`X`Ya  
k UW`gYb`XYb`\_hYfYggY`Ub`i`a`k`Y`h`ZfYi`bX`]W`YfYb`5`hYfbUh]j`Yb`]b  
XYf`A`cV`]h`h`\_`ØbbhY`5fW`Yf`5j`]Uh]cb`j`cb`X]YgYf`HfYbXk`Yb`XY  
dfc`Z]h]YfYb`"5i`W`X`Yf`Z]b`Ubn]Y`Y`5gdY`\_h`]gh`Yb`hgW`Y]X`Yb`X`"  
\_h`j`Y`ghc`fYb`]b`hYfYgg]YfYb`g]W`V`Y`gc`b`XYfg`X`UZØfž`k`]Y`X`Ug  
l`bhYfb`Y`a`Yb`a`]h`gY]b`Yb`F`Yggci`fW`b`i`a`[`Y`\`hi`b`X`]b`k`Y`W`Y  
b`Yi`Yb`HYW`bc`c`[`]Yb`]b`j`Y`gh]Y`fh`k`]f`X`"

9]b`k`Y]hYfYf`k`]W`h][`Yf`Di`b`\_h`]gh`X]Y`\_h`ZfUghfi`\_hi`fž`X]Y`ZØf`XYb  
6Yhf]YV`j`cb`Y`Y`\_hf]gW`Yb`:`i`[`[`Yf`h`Yb`Yf`Zc`f`X`Yf`]W`]gh`5bU`mghYb  
V`Y`hc`b`Yb`X]Y`B`c`hk`Yb`X][`\_Y]h]j`cb`[`Y`Y][`b`Y`h`Yb`5b`Ub`XYd`h`m`Yb`i`b`X  
X]Y`?`ccd`Yf`Uh]cb`a`]h`gh`h`X]h]gW`Yb`6Y`\`Øf`XYb`ž`i`a`Y]b  
Z`h`W`Yb`XYW`\_Yb`XYg`B`Y`h`n`ZØf`X]Y`b`Yi`Yb`:`i`[`n`Yi`[`Y`ni`g`W`U`Z`Y`b`"  
8`Ug`Yf`Zc`[`f`Y]W`Y`A`Ub`U[`Ya`Yb`h`X]YgYf`9`Ya`Yb`h`Y`k`]f`X  
Yb`hg`W`Y]X`Yb`X`gY]b`ž`i`a`X`Ug`K`U`W`gh`i`a`j`cb`5fW`Yf`ni  
i`bhYf`gh`Ø`h`Yb`"

## Dfc [ bcgYb`i`bX`\_h`j`Y`ghc`f`Y`b`g]W`h`

8]Y`Øb[`ghYb`Dfc[`bcgYb`j`cb`\_h`j`Y`nn`n`Y][`Yb`ž`X`Ugg`j`]Y`Y`9l`d`Y`fh`Yb  
Y]b`Y`d`cg]h]j`Y`9b`hk`]W`\_i`b[`ZØf`5fW`Yf`5j`]Uh]cb`Y`fk`U`fh`Yb`ž  
]bg`V`Y`gc`b`XYfY`]b`X`Yb`\_ca`a`Yb`X`Yb`\_h`Y`f`Yb`"8`Ug`l`bhYfb`Y`a`Yb  
\_ØbbhY`j`cb`h`Y`W`bc`c`[`]g`W`Yb`:`c`f`hg`W`f]h`h`Yb`i`b`X`Y]b`Yf  
ni`b`Y`a`Yb`X`Yb`5`\_n`Y`d`h`Ubn`X`Y`g`l`f`V`Ub`5]f`A`c`V`]h`m`?`cb`n`Y`d`hg  
dfc`Z]h]YfYb`"8]YgY`d`cg]h]j`Yb`5i`gg]W`h`Yb`d`Ub`Yb`5b`Y`[`Yf`g]W`Yf`]W  
]b`]f`Y`9b`hg`W`Y]X`i`b[`Yb`Y]b`"

Ni`g`Ua`a`Yb[`Y`Z`Ugg`h`h`g`g`h`g]W`g`U[`Yb`ž`X`Ugg`X]Y`c`d`h]a`]ga`]gh]g`W`Y  
D`Y`fg`d`Y`\_h]j`Y`X`Yf`5bU`mghYb`i`bhYf`ghfY]W`h`ž`k`]Y`k`]W`h][`X]Y  
9b`hk`]W`\_i`b[`Yb`V`Y]5fW`Yf`5j`]Uh]cb`ZØf`\_h`j`Y`ghc`f`Y`b`gY]b`\_ØbbhYb`"  
A`h`Y]b`Yf`6`Ui`j`c`f`Ub`ZfU[`Y`ZØf`\_Øb`Z]h][`Y`Dfc`Y`\_h`Y`i`b`X`X`Yf  
Z`Y`gh[`Y`Y`[`h`Yb`G`h`f`U`h`Y`[`]Y`ni`f`9`fb`Yi`Yfi`b[`]f`Yf`5b[`Y`V`ch`Y`ž`[`\_`Ui`V`h  
a`Ub`ž`X`Ugg`g]W`X]Y`5`\_h]Y`d`cg]h]j`Yb`hk`]W`\_Y`b`\_ØbbhY`"H`f`c`h`n`X`Yf  
<`Yf`Ui`g`Zc`f`X`Yfi`b[`Yb`ž`a`]h`X`Yb`Yb`X`Ug`l`bhYfb`Y`a`Yb`\_cb`Z`f`c`b`h]Y`fh  
]gh`ž`V`Y]V`h`X]Y`<`c`Z`Z`bi`b[`\_`Ui`Z`Y]b`Y`d`cg]h]j`Y`K`Yb`Xi`b[`V`Y`gh`Y`Y`b`"

8YhU]g

6Ygi W\Yb`G]Y`i bg`Ui Z.`b!U[ "XY